

MAHLE

Driven by performance

2017/2018



Alternadores, Motores de Partida e Motores Eléctricos
Alternadores, Motores de Arranque y Motores Eléctricos

AFTERMARKET



MAHLE[®]
ORIGINAL

Índice

Catálogos adicionais	Página	2
Alternadores		
Família de produtos	Página	6
Identificação dos produtos	Página	7
Características específicas	Página	8
Vista explodida do alternador	Página	10
Classificação por montadora	Página	18
Alternadores	Página	19
Lista de componentes avulsos	Página	36
Itens sob consulta	Página	37
Motor de partida		
Família de produtos	Página	46
Identificação dos produtos	Página	47
Características específicas	Página	48
Vista explodida do motor de partida	Página	50
Classificação por montadora	Página	58
Motor de partida	Página	61
Lista de componentes avulsos	Página	85
Itens sob consulta	Página	86
Relação numérica	Página	94
Motores elétricos		
Identificação dos produtos	Página	104



**OS PRODUTOS DA MAHLE POSSUEM
CERTIFICAÇÃO COMPULSÓRIA**

Catálogos adicionais

Além deste catálogo*, a MAHLE Metal Leve disponibiliza o seguinte material informativo:

- Catálogos de Juntas Linha Pesada e Linha Leve;
- Catálogo de Pistões, Camisas, Kits e Bronzinas;
- Catálogo de Jogos de Anéis;

- Catálogo de Válvulas, Guias e Sedes de Válvulas;
- Catálogo de Filtros.

Você pode encontrar uma versão mais atualizada de nossos catálogos em nossa página web (www.mahle-aftermarket.com).

OS PRODUTOS DA MAHLE POSSUEM CERTIFICAÇÃO COMPULSÓRIA

Os produtos MAHLE que possuem certificação compulsória do INMETRO, de acordo com as portarias 301/11, 275/12, 16/13 e 29/15, são: pistões de liga leve de alumínio (Ciclo Otto e Diesel), pinos de pistão, anéis de pistão, bronzinas planas, bronzinas com flange, buchas e arruelas de encosto. A MAHLE coloca dois canais de contato exclusivos à disposição de seus parceiros que desejam saber mais sobre a Certificação Compulsória para Componentes Automotivos: acesse www.certificacaomahle.com.br ou envie sua mensagem para duvidas.certificacao@br.mahle.com.

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Índice

Catálogos adicionales	Página	4
Alternadores		
Familia de productos	Página	12
Identificación de productos	Página	13
Características específicas	Página	14
Vista explotada del alternador	Página	16
Clasificación por fabricante	Página	18
Alternadores	Página	19
Lista de componentes sueltos	Página	36
Items a consultar	Página	37
Motor de arranque		
Familia de productos	Página	52
Identificación de productos	Página	53
Características específicas	Página	54
Vista explotada del motor de arranque	Página	56
Clasificación por fabricante	Página	58
Motor de arranque	Página	61
Lista de componentes sueltos	Página	85
Items a consultar	Página	86
Orden numérico	Página	94
Motores eléctricos		
Identificación de productos	Página	104



**LOS PRODUCTOS DE MAHLE TIENEN
CERTIFICACIÓN OBLIGATORIA**

Catálogos adicionales

Para completar el presente catálogo*, MAHLE Metal Leve también ofrece los siguientes materiales de consulta:

- Catálogo de Juntas;
- Catálogo de Pistones, Camisas, Kits y Cojinetes;
- Catálogo de Aros;

- Catálogo de Válvulas, Guías y Asientos de Válvulas;
- Catálogo de Filtros.

Usted puede encontrar una versión más actualizada de nuestros catálogos en nuestra página web (www.mahle-aftermarket.com).

LOS PRODUCTOS DE MAHLE TIENEN CERTIFICACIÓN OBLIGATORIA

Los productos MAHLE que tienen certificación obligatoria del INMETRO, de acuerdo con las resoluciones 301/11, 275/12, 16/13 y 29/15, son: pistones de aleación liviana de aluminio (Ciclo Otto y Diesel), pernos de pistón, aros de pistón, cojinetes planos, cojinetes con axial, bujes y arandelas de empuje. MAHLE ofrece dos canales de contacto exclusivos a disposición de sus aliados que desean saber más sobre la Certificación Obligatoria para Componentes Automotrices, ingrese a www.certificacaomahle.com.br o envíe su mensaje a duvidas.certificacao@br.mahle.com.

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AAG

Diâmetro do estator (mm):
108,0

Potência de saída (kW):
14V até 0,50
28V até 0,50



AAG COMPACT

Diâmetro do estator (mm):
108,0

Potência de saída (kW):
14V até 1,05
28V até 1,20



AAK

Diâmetro do estator (mm):
125,0

Potência de saída (kW):
14V até 1,70
28V até 1,80



AAK COMPACT

Diâmetro do estator (mm):
125,0

Potência de saída (kW):
14V até 2,10
28V até 2,30



AAL COMPACT

Diâmetro do estator (mm):
136,0

Potência de saída (kW):
14V até 2,10
28V até 2,30



AAN

Diâmetro do estator (mm):
142,0

Potência de saída (kW):
14V até 2,80
28V até 3,40



AAN COMPACT

Diâmetro do estator (mm):
142,0

Potência de saída (kW):
14V até 2,80
28V até 3,40



AAT

Diâmetro do estator (mm):
165,5

Potência de saída (kW):
14V até 3,80
28V até 5,60



AAK 4506 14V 120A

Símbolo Fabricante _____

Alternador _____

Diâmetro Estator _____

G = 100 ... 109 mm

K = 120 ... 129 mm

L = 130 ... 139 mm

N = 142 ... 149 mm

P = 150 ... 159 mm

T = 165 ... 184 mm

Características de Design e Versão | Subgrupo: _____

01, 11 }
31, 35 } - ventilador externo, proteção básica
41, 45 }

51, 53, 55, 57 - ventilador interno, proteção à prova de poeira

12 - ventilador externo, proteção básica

13, 33, 43, 18 - ventilador externo, proteção à prova de poeira

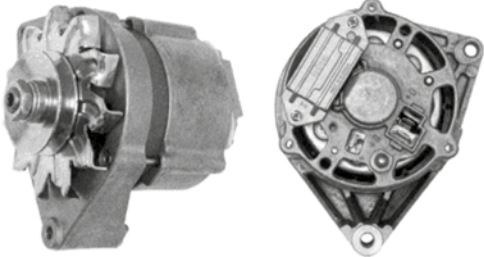
23 - ventilador externo, proteção à prova de poeira, ...


71 - arrefecimento líquido

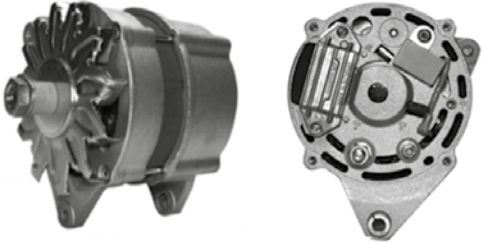
Sequência dentro do subgrupo _____


Tensão _____


Corrente gerada a 6000 RPM _____

Família		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm	
AAG 108 mm		14V 33A	1150	15	32	
Tensão / Corrente especificada		14V 35A	1250	13	35	
		28V 18A	1200	8	18	
		14V	28V			
33-35A	18A					

Família		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm	
AAG Compact 108 mm		14V 45A	1250	20	44	
Tensão / Corrente especificada		14V 55A	1250	22	55	
		14V 65A	1350	20	64	
		14V 75A	1500	13	73	
14V	28V					
45-75A	30-40A					
28V 30A	1250	12	30			
28V 35A	1400	10	34			
28V 40A	1450	8	39			

Família		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm	
AAK 125 mm		14V 45A	1050	28	45	
Tensão / Corrente especificada		14V 55A	1000	35	55	
		14V 65A	1150	30	65	
		14V 75A	1250	34	74	
14V	28V					
45-120A	35-65A					
14V 80A	1350	29	80			
14V 90A	1300	36	90			
14V 100A	1200	41	100			
14V 120A	1400	29	117			
28V 35A	1100	18	35			
28V 40A	1450	12	40			
28V 50A	1550	5	50			
28V 55A	1250	21	55			
28V 65A	1400	15	63			

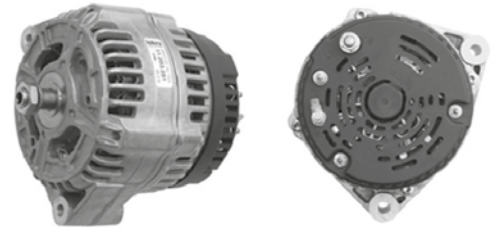
Família		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm	
AAK Compact 125 mm		14V 70A	1000	47	70	
Tensão / Corrente especificada		14V 80A	1100	40	80	
		14V 85A	1000	47	84	
		14V 95A	1100	42	94	
14V	28V					
70-120A	40-60A					
14V 120A	1400	30	115			
28V 40A	1000	23	40			
28V 45A	1100	22	45			
28V 50A	1200	22	50			
28V 55A	1250	21	55			
28V 60A	1400	18	60			

Família		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm	
AAL Compact 136 mm		14V 120A	1250	70	120	
Tensão / Corrente especificada		14V 150A	1300	80	150	
		28V 60A	1200	40	60	
		28V 80A	1300	35	80	
14V	28V					
120-150A	60-80A					

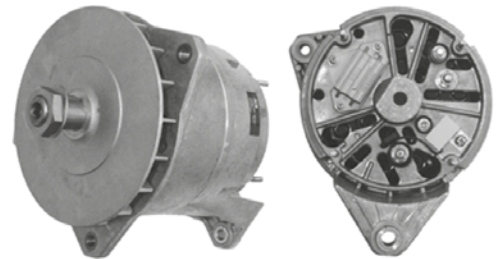
Família		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm
AAN 142 mm		14V 125A	1100	85	125
Tensão / Corrente especificada		14V 150A	1200	78	155
		14V 175A	1200	78	170
14V	28V	14V 200A	1400	70	200
125-200A	80-120A	28V 80A	1150	44	80
		28V 100A	1250	42	100
		28V 120A	1350	38	120



Família		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm
AAN Compact 142 mm		14V 125A	1100	85	125
Tensão / Corrente especificada		14V 150A	1200	75	155
		14V 175A	1200	78	170
14V	28V	14V 200A	1400	70	200
125-200A	80-120A	28V 80A	1150	44	80
		28V 100A	1250	42	100
		28V 120A	1350	38	120



Família		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm
AAT 165,5 mm		14V 220A	1050	150	220
Tensão / Corrente especificada		14V 250A	1450	90	248
		14V 270A	1450	90	266
14V	28V	28V 120A	1000	82	115
220-270A	120-200A	28V 140A	1050	95	140
		28V 160A	1150	88	160
		28V 190A	1350	90	190
		28V 200A	1350	90	197



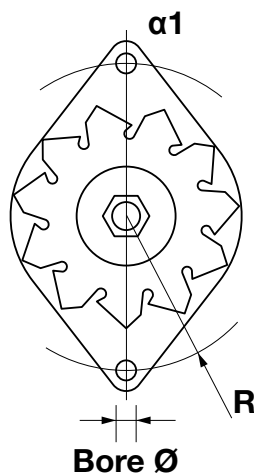
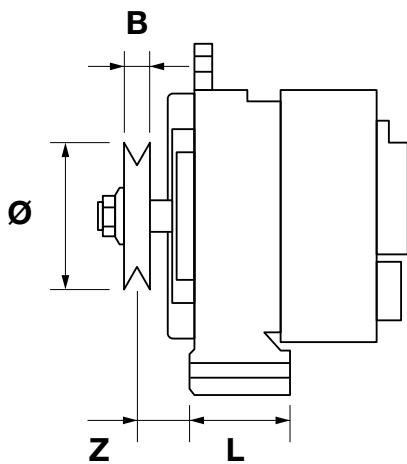
CONEXÕES

Descrição no alternador	Significado da descrição	Conectado a
B+	Polo positivo do alternador	Terminal positivo da bateria
D- / B-	Polo negativo do alternador (terra)	Aterramento alternador (carcaça)
D+	Pré excitação, inspeção de operação	Luz de alerta do painel
W	Fase	Medidor de rotação

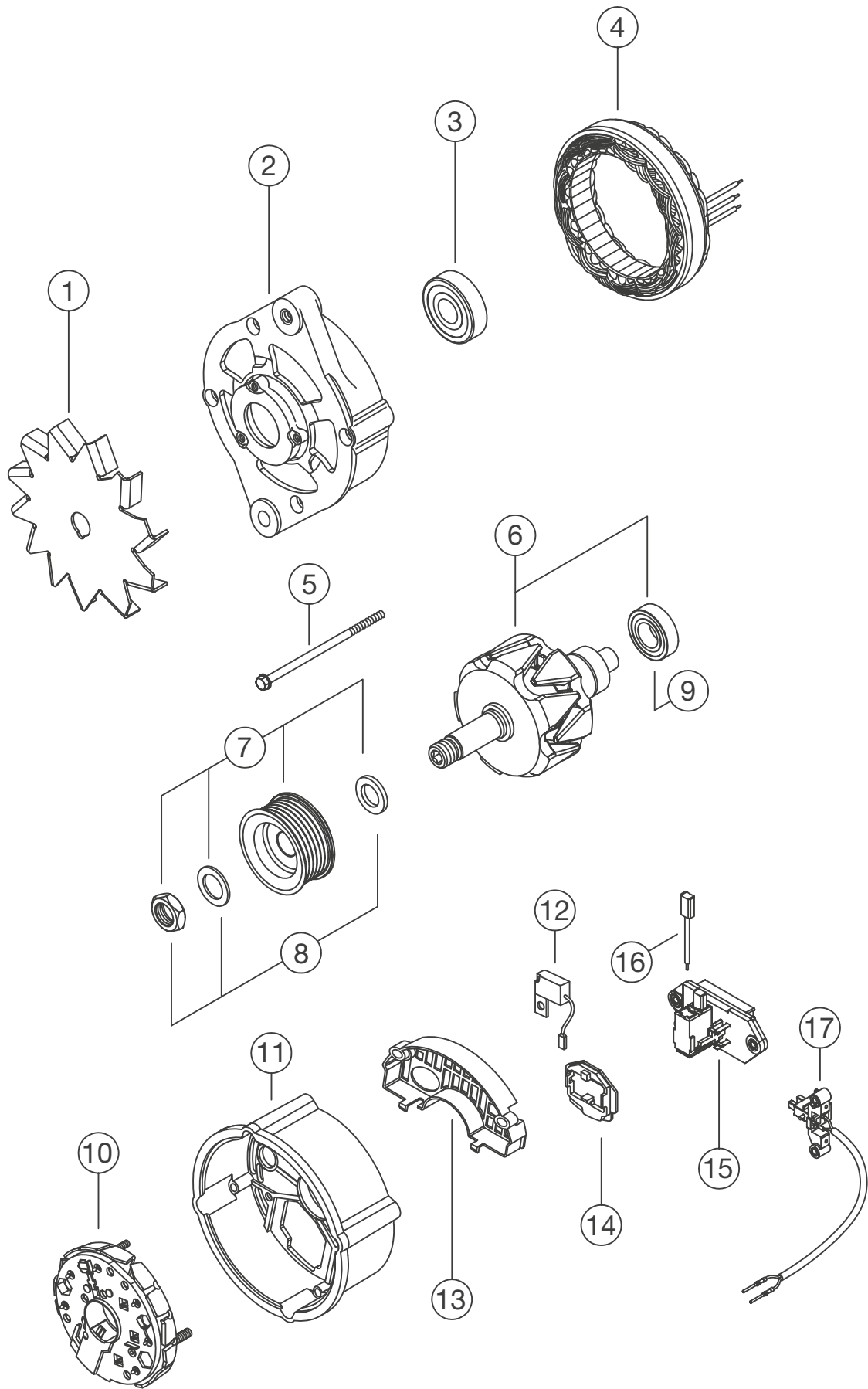


Legenda

1	2	3	4	5
Ventoinha	Mancal de acionamento	Rolamento	Estator	Tirante
6	7	8	9	10
Rotor	Polia	Jogo de fixação	Rolamento	Retificador
11	12	13	14	15
Mancal traseira	Capacitor	Tampa protetora	Guarnição de borracha	Regulador de tensão
16	17			
Jogo de escovas	Porta-escovas			



- V** Tensão
- A** Corrente
- L** Comprimento
- Bore Ø** Diâmetro furo de fixação
- R** Raio a partir do centro do eixo
- α1** Ângulo de fixação a partir do centro
- Ø** Diâmetro polia
- B** Tipo de polia
- Z** Distância entre flange e polia
- Fix.** Tipo de fixação



AAG

Diámetro del estator (mm):
108,0

Potencia de Salida (kW):
14V hasta 0,50
28V hasta 0,50



AAG COMPACT

Diámetro del estator (mm):
108,0

Potencia de Salida (kW):
14V hasta 1,05
28V hasta 1,20



AAK

Diámetro del estator (mm):
125,0

Potencia de Salida (kW):
14V hasta 1,70
28V hasta 1,80



AAK COMPACT

Diámetro del estator (mm):
125,0

Potencia de Salida (kW):
14V hasta 2,10
28V hasta 2,30



AAL COMPACT

Diámetro del estator (mm):
136,0

Potencia de Salida (kW):
14V hasta 2,10
28V hasta 2,30



AAN

Diámetro del estator (mm):
142,0

Potencia de Salida (kW):
14V hasta 2,80
28V hasta 3,40



AAN COMPACT

Diámetro del estator (mm):
142,0

Potencia de Salida (kW):
14V hasta 2,80
28V hasta 3,40



AAT

Diámetro del estator (mm):
165,5

Potencia de Salida (kW):
14V hasta 3,80
28V hasta 5,60



AAK 4506 14V 120A

Símbolo del Fabricante _____

Alternador _____

Diámetro del Estator _____

G = 100 ... 109 mm

K = 120 ... 129 mm

L = 130 ... 139 mm

N = 142 ... 149 mm

P = 150 ... 159 mm

T = 165 ... 184 mm

Características de diseño y versión | Subgrupo: _____

01, 11 }
31, 35 } - ventilador externo, protección básica
41, 45 }

51, 53, 55, 57 - ventilador interno, la protección a prueba de polvo

12 - ventilador externo, protección básica

13, 33, 43, 18 - ventilador externo, la protección a prueba de polvo

23 - ventilador externo, la protección a prueba de polvo, ...

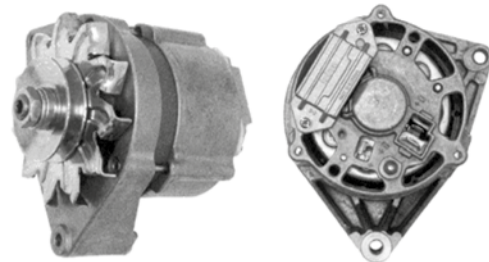
71 - enfriamiento líquido

Secuencia dentro del subgrupo _____

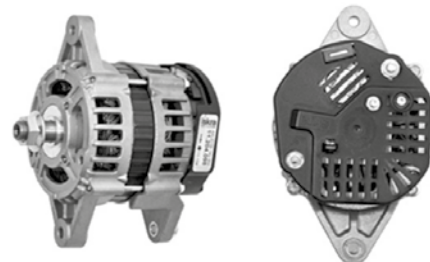
Tensión _____

Corriente generada a 6000 RPM _____

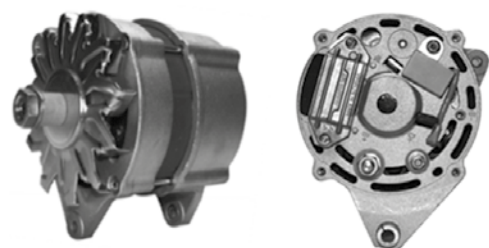
Familia		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm
AAG 108 mm		14V 33A	1150	15	32
Tensión / Corriente especificada		14V 35A	1250	13	35
14V	28V	28V 18A	1200	8	18
33-35A	18A				



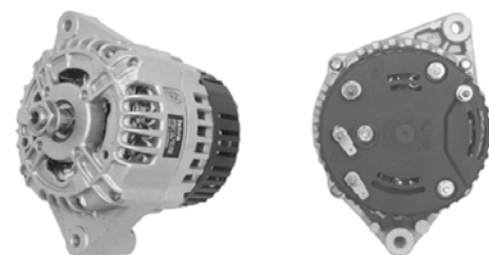
Familia		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm
AAG Compact 108 mm		14V 45A	1250	20	44
Tensión / Corriente especificada		14V 55A	1250	22	55
14V	28V	14V 65A	1350	20	64
45-75A	30-40A	14V 75A	1500	13	73
		28V 30A	1250	12	30
		28V 35A	1400	10	34
		28V 40A	1450	8	39



Familia		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm
AAK 125 mm		14V 45A	1050	28	45
Tensión / Corriente especificada		14V 55A	1000	35	55
14V	28V	14V 65A	1150	30	65
45-120A	35-65A	14V 75A	1250	34	74
		14V 80A	1350	29	80
		14V 90A	1300	36	90
		14V 100A	1200	41	100
		14V 120A	1400	29	117
		28V 35A	1100	18	35
		28V 40A	1450	12	40
		28V 50A	1550	5	50
		28V 55A	1250	21	55
		28V 65A	1400	15	63



Familia		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm
AAK Compact 125 mm		14V 70A	1000	47	70
Tensión / Corriente especificada		14V 80A	1100	40	80
14V	28V	14V 85A	1000	47	84
70-120A	40-60A	14V 95A	1100	42	94
		14V 120A	1400	30	115
		28V 40A	1000	23	40
		28V 45A	1100	22	45
		28V 50A	1200	22	50
		28V 55A	1250	21	55
		28V 60A	1400	18	60



Familia		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm
AAL Compact 136 mm		14V 120A	1250	70	120
Tensión / Corriente especificada		14V 150A	1300	80	150
14V	28V	28V 60A	1200	40	60
120-150A	60-80A	28V 80A	1300	35	80



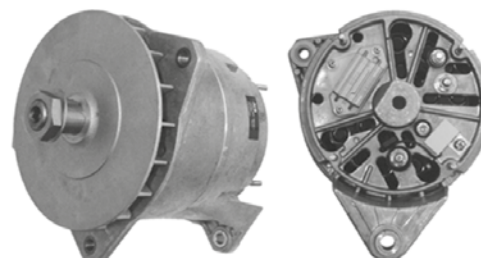
Familia		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm
AAN 142 mm		14V 125A	1100	85	125
Tensión / Corriente especificada		14V 150A	1200	78	155
		14V 175A	1200	78	170
14V	28V	14V 200A	1400	70	200
125-200A	80-120A	28V 80A	1150	44	80
		28V 100A	1250	42	100
		28V 120A	1350	38	120



Familia		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm
AAN Compact 142 mm		14V 125A	1100	85	125
Tensión / Corriente especificada		14V 150A	1200	75	155
		14V 175A	1200	78	170
14V	28V	14V 200A	1400	70	200
125-200A	80-120A	28V 80A	1150	44	80
		28V 100A	1250	42	100
		28V 120A	1350	38	120



Familia		Tipo	n _o (rpm)	I (A) 1800 rpm	I (A) 6000 rpm
AAT 165,5 mm		14V 220A	1050	150	220
Tensión / Corriente especificada		14V 250A	1450	90	248
		14V 270A	1450	90	266
14V	28V	28V 120A	1000	82	115
220-270A	120-200A	28V 140A	1050	95	140
		28V 160A	1150	88	160
		28V 190A	1350	90	190
		28V 200A	1350	90	197



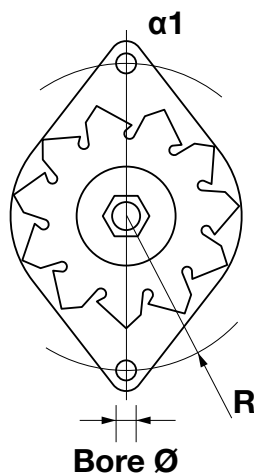
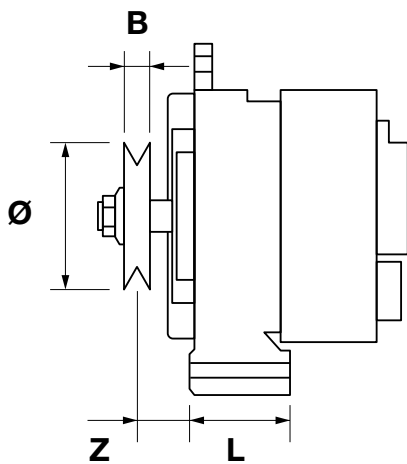
CONEXIONES

Descripción del alternador	Significado descripción	Conectado a
B+	Polo positivo del alternador	El terminal positivo de la batería
D- / B-	Polo negativo del alternador (tierra)	Alternador ground (cojinete)
D+	Excitación pre, inspección operación	Advertencia panel de luz
W	Fase	Medidor de rotación

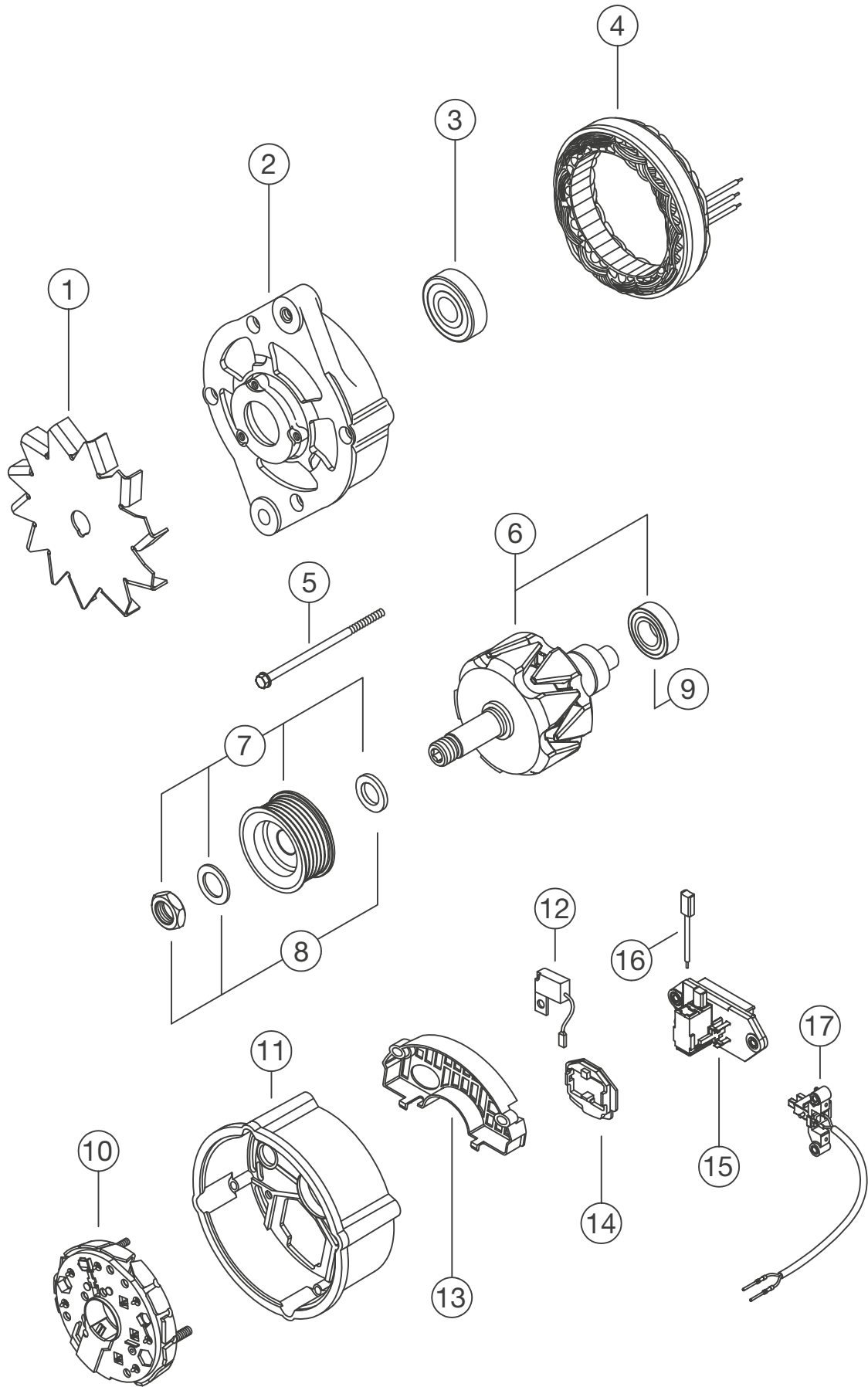


Legenda

1	2	3	4	5
Ventilador	Tapa accionamiento	Rodamiento	Estator	Tornillo
6	7	8	9	10
Rotor	Polea	Juego de fijacion	Rodamiento	Rectificador
11	12	13	14	15
Tapa trasera	Condensador	Tapa protectora	Junta	Regulador de tension
16	17			
Juego de escobillas	Porta escobillas			



- V** Tensión / Voltaje
- A** Corriente
- L** Largo
- Bore \varnothing** Diámetro agujero de fijación
- R** Radio a partir del centro del eje
- $\alpha 1$** Ángulo del agujero a partir del centro
- \varnothing** Diámetro polea
- B** Tipo de polea
- Z** Distancia entre carcasa y polea
- Fij.** Tipo de fijación



ALTERNADORES | CLASSIFICAÇÃO POR MONTADORA

ALTERNADORES | CLASIFICACIÓN POR FABRICANTE



CÓDIGO MAHLE	REF. MAHLE LETRIKA	P/N	FAMÍLIA / FAMILIA
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MG 651	IA1475	11.204.119	AAAN8133 28V 80A

AGCO

MG 200	IA1113	11.203.401	AAK5570 14V 95A
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AGRALE

MG 73	IA1122	11.204.365	AAK4818 14V 55A
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AGRITECH

MG 25	IA1300	11.204.318	AAK4803 14V 55A
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BOMAG

MG 52	IA1117	11.204.254	AAAN8166 14V 150A
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CASE

MG 30	IA1198	11.204.174	AAAN5333 14V 150A
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MG 117	IA1296	11.204.640	AAK4922 14V 120A
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MG 137	IA1453	11.204.669	AAK4930 14V 120A
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MG 177	IA0675	11.204.582	AAK5850 14V 95A
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MG 212	IA0810	11.201.810	AAK4598 14V 70A
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MG 269	IA1332	11.204.401	AAAN5834 14V 175A
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MG 274	IA1452	11.204.352	AAK4813 14V 120A
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MG 286	IA1224	11.203.822	AAK5759 14V 120A
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MG 404	IA1020	11.203.088	AAK5355 14V 120A
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MG 477	IA1522	11.204.405	AAK4834 14V 120A
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MG 490	IA1058	11.204.361	AAAN5819 14V 150A
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CASE NEW HOLLAND

MG 175	IA1574	11.204.579	AAK4891 14V 65A
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CLAAS

MG 225	IA1357	11.204.525	AAAN5875 14V 200A
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CRYSTAL TRACTOR

MG 177	IA0675	11.204.582	AAK5850 14V 95A
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CUMMINS

MG 501	IA1400	11.203.849	AAK1877 28V 55A
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DEUTZ

MG 24	IA1326	11.204.463	AAK4849 14V 95A
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MG 336	IA1083	11.203.395	AAK5564 28V 55A
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DEUTZ (SAME DEUTZ-FAHR GROUP)(I)

MG 209	IA1078	11.203.405	AAK4349 14V 55A
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MG 473	IA1031	11.204.409	AAAN5836 28V 80A
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DEUTZ / LIEBHERR

MG 312	IA1026	11.203.399	AAK5568 28V 55A
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DEUTZ / TEREX

MG 344	IA1023	11.203.398	AAK5567 14V 95A
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DEUTZ AG (KHD)

MG 111	IA0292	11.201.292	AAK2301 14V 60A
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MG 473	IA1031	11.204.409	AAAN5836 28V 80A
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MG 626	IA0226	11.204.880	AAK4620 14V 65A
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DEUTZ-FAHR

MG 52	IA1117	11.204.254	AAAN8166 14V 150A
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MG 209	IA1078	11.203.405	AAK4349 14V 55A
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MG 314	IA1081	11.203.331	AAK4320 14V 95A
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MG 626	IA0226	11.204.880	AAK4620 14V 65A
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FAHR

MG 314	IA1081	11.203.331	AAK4320 14V 95A
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CÓDIGO MAHLE	REF. MAHLE LETRIKA	P/N	FAMÍLIA / FAMILIA
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FENDT

MG 626	IA0226	11.204.880	AAK4620 14V 65A
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FORD NEW HOLLAND

MG 207	IA0505	11.201.505	AAK1345 14V 45A
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MG 378	IA0599	11.201.599	AAK1354 14V 45A
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MG 404	IA1020	11.203.088	AAK5355 14V 120A
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HITTNER

MG 209	IA1078	11.203.405	AAK4349 14V 55A
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IVECO

MG 314	IA1081	11.203.331	AAK4320 14V 95A
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JCB

MG 23	IA1484	11.204.467	AAK5840 14V 95A
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MG 38		11.204.138	AAK5813 14V 95A
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MG 69	IA1211	11.204.116	AAK5808 28V 55A
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MG 212	IA0810	11.201.810	AAK4598 14V 70A
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MG 623	IA1469	11.204.920	AAK5885 28V 55A
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MG 721	IA1451	11.204.913	AAK4634 14V 80A
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JOHN DEERE

MG 52	IA1117	11.204.254	AAAN8166 14V 150A
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MG 209	IA1078	11.203.405	AAK4349 14V 55A
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MG 313	IA1154	11.203.332	AAK4321 14V 120A
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MG 322	IA1214	11.203.461	AAK4362 28V 50A
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MG 414	IA0727	11.201.727	AAK5123 14V 95A
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MG 467	IA1545	11.204.502	AAAN5869 14V 150A
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MG 477	IA1522	11.204.405	AAK4834 14V 120A
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MG 613	IA1547	11.204.424	AAAN5840 14V 200A
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MG 714	IA1684	11.204.681	AAAN5916 28V 140A
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JW

MG 626	IA0226	11.204.880	AAK4620 14V 65A
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KRAMER

MG 626	IA0226	11.204.880	AAK4620 14V 65A
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LINDE

MG 626	IA0226	11.204.880	AAK4620 14V 65A
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LISTER PETER

MG 212	IA0810	11.201.810	AAK4598 14V 70A
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MARSHALL (MARSHALL TRACTORS)

MG 626	IA0226	11.204.880	AAK4620 14V 65A
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MASSEY-FERGUSON

MG 52	IA1117	11.204.254	AAAN8166 14V 150A
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MG 116	IA1382	11.204.639	AAK4921 14V 120A
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MG 117	IA1296	11.204.640	AAK4922 14V 120A
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MG 118	IA1381	11.204.695	AAK4939 14V 55A
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MG 177	IA0675	11.204.582	AAK5850 14V 95A
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MG 182	IA1320	11.203.828	AAK5761 14V 120A
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MG 212	IA0810	11.201.810	AAK4598 14V 70A
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MG 271	IA0692	11.204.373	AAK4822 14V 65A
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MG 462	IA0095	11.201.095	AAG1310 14V 33A
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MG 636	IA1272	11.204.641	AAK4923 14V 120A
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MCCORMICK

MG 212	IA0810	11.201.810	AAK4598 14V 70A
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MERCEDES-BENZ

MG 52	IA1117	11.204.254	AAAN8166 14V 150A
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MG 247	IA0895	11.201.895	AAT1306 28V 140A
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CÓDIGO MAHLE	REF. MAHLE LETRIKA	P/N	FAMÍLIA / FAMILIA
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MOTOR IBERICA

MG 462	IA0095	11.201.095	AAG1310 14V 33A
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NEW HOLLAND

MG 15	IA1018	11.203.042	AAK5326 14V 100A
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MG 30	IA1198	11.204.174	AAAN5333 14V 150A
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MG 117	IA1296	11.204.640	AAK4922 14V 120A
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MG 223	IA1504	11.204.484	AAK4858 14V 120A
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MG 225	IA1357	11.204.525	AAAN5875 14V 200A
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MG 269	IA1332	11.204.401	AAAN5834 14V 175A
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MG 274	IA1452	11.204.352	AAK4813 14V 120A
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MG 286	IA1224	11.203.822	AAK5759 14V 120A
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MG 316	IA1131	11.203.264	AAK4305 14V 80A
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MG 490	IA1058	11.204.361	AAAN5819 14V 150A
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NEW HOLLAND (SPERRY NEW HOLL.)

MG 286	IA1224	11.203.822	AAK5759 14V 120A
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NORMET

MG 473	IA1031	11.204.409	AAAN5836 28V 80A
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PERKINS

MG 212	IA0810	11.201.810	AAK4598 14V 70A
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SAMPO ROSENLEW

MG 177	IA0675	11.204.582	AAK5850 14V 95A
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SISU DIESEL

MG 177	IA0675	11.204.582	AAK5850 14V 95A
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STEYR (STEYR-DAIMLER-PUCH AG)

MG 286	IA1224	11.203.822	AAK5759 14V 120A
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MG 626	IA0226	11.204.880	AAK4620 14V 65A
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TIMRICK




















MG 477	IA1522	11.204.405	AAK4834 14V 120A
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VALMET




















MG 178





























































	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 15 (IA1018)	14,0	100	81/8,2/86	R60°	67,0	PVx6	32,7	D	
11.203.042	NEW HOLLAND								
									
	1	2	3	4	5	6	7	8	9
AAK5326 14V 100A	-	MGX 484 *	MGX 1061	MGX 465	MGX 1296	MGX 871	MGX 91 *	-	MGX 363
	-	16.908.532 *	16.908.607	16.350.129	15.300.696	16.362.901	16.908.842 *	-	16.906.347
	10	11	12	13	14	15	16	17	
	MGX 385	MGX 653 *	-	MGX 657	-	MGX 1277	-	-	
	16.902.147	16.908.534 *	-	15.421.538	-	16.915.221	-	-	
MG 23 (IA1484)	14,0	95	78/10,2/93,7	L92°	56,2	PVx8	30,5	D	
11.204.467	JCB								
									
	1	2	3	4	5	6	7	8	9
AAK5840 14V 95A	-	MGX 1124*	MGX 221*	MGX 956 *	MGX 1296	MGX 924 *	MGX 125 *	-	MGX 363
	-	16.907.291*	16.908.665*	16.350.621 *	15.300.696	16.363.046 *	16.907.292 *	-	16.906.347
	10	11	12	13	14	15	16	17	
	MGX 918 *	MGX 906 *	-	MGX 851 *	-	MGX 916 *	-	-	
	16.915.733 *	16.915.734 *	-	16.421.077 *	-	16.915.735 *	-	-	
MG 24 (IA1326)	14,0	95	56/10,2/90	L60°				O	
11.204.463	DEUTZ								
									
	1	2	3	4	5	6	7	8	9
AAK4849 14V 95A	MGX 398	MGX 1535	MGX 746	MGX 9 *	MGX 52	MGX 1039 *	-	MGX 780 *	MGX 492
	15.900.726	16.915.417 *	16.908.961	16.350.158 *	15.300.996	16.916.149 *	-	16.907.048 *	16.907.545
	10	11	12	13	14	15	16	17	
	MGX 1089	MGX 144	MGX 1195 *	-	MGX 397	MGX 573 *	-	-	
	16.907.048	15.133.707	16.911.062 *	-	15.421.496	16.915.526 *	-	-	

* Item sob consulta / A consultar





























































	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 25 (IA1300)	14,0	55	50,8/10,2/86	0°	69,5	12,7	22,2	O	
11.204.318	AGRITECH								
									
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK4803 14V 55A	MGX 398 15.900.726	MGX 744 16.908.913	MGX 1061 16.908.607	MGX 527 16.350.025	MGX 1174 15.300.686	MGX 1048 * 16.916.085 *	MGX 1282 16.907.914	- -	MGX 464 16.906.116
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 270 16.907.162	MGX 1062 16.908.819	MGX 578 16.900.353	MGX 1189 16.907.526	MGX 976 * 15.400.667 *	MGX 998 16.916.101	- -	- -	










	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 30 (IA1198)	14,0	150	2x56/10,2/90	L60°	61,0	PVx10	27,6	O	
11.204.174	CASE, NEW HOLLAND								
									
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAN5333 14V 150A	- -	MGX 1103 16.908.875	MGX 746 16.908.961	MGX 1260 16.350.609	MGX 949 16.300.295	MGX 814 16.362.854	MGX 566 * 16.907.562 *	- -	MGX 836 16.915.145
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 954 16.915.703	MGX 888 * 16.915.324 *	MGX 408 16.915.039	MGX 145 * 16.420.641 *	- -	MGX 1288 * 16.915.220 *	- -	- -	

	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 38 (IA0908)	14,0	95	78/10,2/93,7	L92°	56,2	PVx8	30,5	D	
11.204.138	JCB								
									
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK5813 14V 95A	- -	MGX 847 * 16.915.573 *	MGX 900 * 16.915.343 *	MGX 465 16.350.129	MGX 1296 15.300.696	MGX 873 * 16.362.905 *	MGX 125 * 16.907.292 *	- -	MGX 363 16.906.347
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 457 * 16.911.230 *	MGX 1181 * 16.907.372 *	-	MGX 274 * 15.421.716 *	-	MGX 1277 16.915.221	-	-	


























































	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 52 (IA1117)	14,0	150	2x56/10,2/90	L60°	-	-	-	O	
11.204.254	DEUTZ-FAHR, BOMAG, JOHN DEERE, MASSEY-FERGUSON, VALTRA (VALMET), MERCEDES-BENZ								
									
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAN8166 14V 150A	-	MGX 1103	MGX 746	MGX 1260	MGX 949	MGX 811	-	MGX 286	MGX 836
	-	16.908.875	16.908.961	16.350.609	16.300.295	16.362.816	-	16.908.963	16.915.145
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 1323	MGX 835	-	MGX 411	-	MGX 281	-	-	
	16.915.687	16.915.146	-	16.420.568	-	16.908.881	-	-	
MG 59 (IA1457)	28,5	140	182/12,2/120	L60°	-	-	-	-	
11.203.977	VOITH								
									
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAT3306 28,5V 140A	MGX 227 *	MGX 791 *	MGX 678 *	MGX 458 *	-	MGX 660 *	-	MGX 643 *	-
	15.131.902 *	15.132.361 *	16.908.110 *	16.350.285 *	-	16.361.269 *	-	16.908.886 *	-
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 422	MGX 443	MGX 156	-	-	MGX 1133	-	-	
	16.904.905	16.907.076	16.907.078	-	-	16.907.081	-	-	
MG 69 (IA1211)	28,0	55	78/10,2/93,7	L92°	56,2	PVx8	30,5	D	
11.204.116	JCB								
									
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK5808 28V 55A	-	MGX 847 *	MGX 900 *	MGX 306	MGX 1296	MGX 870 *	MGX 125 *	-	MGX 126 *
	-	16.915.573 *	16.915.343 *	16.350.137	15.300.696	16.362.897 *	16.907.292 *	-	16.907.293 *
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 10 *	MGX 1181 *	-	MGX 657	-	MGX 545 *	-	-	
	16.902.181 *	16.907.372 *	-	15.421.538	-	16.907.507 *	-	-	










* Item sob consulta / A consultar

	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 73 (IA1122)	14,0	55	82/8,2/86	L60°	-	-	-	D	
11.204.365	AGRALE, VALTRA (VALMET)								
	 								
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK4818 14V 55A	MGX 398 15.900.726	MGX 1112 16.908.673	MGX 336 16.905.271	MGX 527 16.350.025	MGX 1174 15.300.686	MGX 375 16.906.852	- -	MGX 1253 16.908.675	MGX 464 16.906.116
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 1019 * 16.915.966 *	MGX 26 16.906.184	MGX 11 16.905.295	MGX 1189 16.907.526	MGX 976 * 15.400.667 *	MGX 998 16.916.101	- -	- -	
MG 111 (IA0292)	14,0	60	DS=138	-	-	-	-	S	
11.201.292	DEUTZ AG (KHD)								
	 								
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK2301 14V 60A	- -	MGX 1044 * 16.916.305 *	MGX 158 * 16.907.350 *	MGX 66 * 16.350.112 *	MGX 1269 * 15.302.009 *	MGX 245 * 16.906.535 *	- -	MGX 698 * 16.906.536 *	MGX 464 16.906.116
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 521 * 16.908.910 *	MGX 1152 * 16.906.538 *	MGX 747 * 16.911.010 *	- -	MGX 1140 * 15.400.407 *	MGX 282 * 11.125.167 *	- -	- -	
MG 116 (IA1382)	14,0	120	50,8/10,2/86	0°	-	-	-	O	
11.204.639	MASSEY-FERGUSON								
	 								
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK4921 14V 120A	MGX 398 15.900.726	MGX 433 16.907.355	MGX 1061 16.908.607	MGX 1121 16.350.190	MGX 52 15.300.996	MGX 1014 16.916.077	- -	MGX 1100 * 16.908.320 *	MGX 492 16.907.545
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 1089 16.907.048	MGX 144 15.133.707	MGX 578 16.900.353	- -	MGX 397 15.421.496	MGX 1295 11.125.343	- -	- -	





























































	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 117 (IA1296)	14,0	120	82/8,2/86	R60°	-	-	-	D	
11.204.640	CASE, MASSEY-FERGUSON, NEW HOLLAND								
									
	1	2	3	4	5	6	7	8	9
AAK4922 14V 120A	MGX 398	MGX 1164	MGX 1061	MGX 1121	MGX 52	MGX 1014	-	MGX 1100 *	MGX 492
	15.900.726	16.907.998	16.908.607	16.350.190	15.300.996	16.916.077	-	16.908.320 *	16.907.545
	10	11	12	13	14	15	16	17	
	MGX 1089	MGX 1232	MGX 578	-	MGX 397	MGX 1295	-	-	
	16.907.048	16.907.777	16.900.353	-	15.421.496	11.125.343	-	-	
MG 118 (IA1381)	14,0	55	80/10,2/86	L+R60°	-	-	-	O	
11.204.695	MASSEY-FERGUSON								
									
	1	2	3	4	5	6	7	8	9
AAK4939 14V 55A	MGX 398	MGX 1256	MGX 1061	MGX 527	MGX 1174	MGX 1048 *	-	MGX 1100 *	MGX 1046 *
	15.900.726	16.915.095	16.908.607	16.350.025	15.300.686	16.916.085 *	-	16.908.320 *	16.915.918 *
	10	11	12	13	14	15	16	17	
	MGX 805	MGX 250 *	MGX 367 *	MGX 32 *	MGX 976 *	MGX 998	-	-	
	16.907.902	16.906.804 *	16.900.310 *	16.906.622 *	15.400.667 *	16.916.101	-	-	
MG 137 (IA1453)	14,0	120	50,8/10,2/86	0°	55	PVx8	24	O	
11.204.669	CASE								
									
	1	2	3	4	5	6	7	8	9
AAK4930 14V 120A	MGX 398	MGX 224 *	MGX 746	MGX 1121	MGX 52	MGX 1039 *	MGX 930 *	-	MGX 492
	15.900.726	16.907.935 *	16.908.961	16.350.190	15.300.996	16.916.149 *	16.915.788 *	-	16.907.545
	10	11	12	13	14	15	16	17	
	MGX 934	MGX 919 *	-	-	MGX 397 *	MGX 935 *	-	-	
	16.915.559	15.125.130 *	-	-	15.421.496 *	16.915.561 *	-	-	







* Item sob consulta / A consultar

	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 175 (IA574)	14,0	65	82,0/8,2/86	R60°				D	
11.204.579	CASE NEW HOLLAND								
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK4891 14V 65A	MGX 398 15.900.726	MGX 272 16.908.678	MGX 900 * 16.915.343 *	MGX 301 16.350.035	MGX 1174 15.300.686	MGX 817 * 16.915.154 *	- -	MGX 1100 * 16.908.320 *	- -
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 270 16.907.162	MGX 1031 * 16.916.197 *	MGX 578 16.900.353	MGX 1189 16.907.526	- -	MGX 998 16.916.101	- -	- -	
MG 177 (IA0675)	14,0	95	56/8,2/86	L30°	-	-	-	O	
11.204.582	CASE, CRYSTAL TRACTOR, MASSEY-FERGUSON, SAMPO ROSENLEW, SISU DIESEL, VALTRA (VALMET)								
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK5850 14V 95A	- -	MGX 273 * 16.907.241 *	MGX 221 * 16.908.665 *	MGX 893 * 16.350.507 *	MGX 1296 15.300.696	MGX 873 * 16.362.905 *	- -	MGX 391 * 16.907.116 *	MGX 363 16.906.347
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 309 * 16.902.556 *	MGX 1146 16.908.839	- -	MGX 657 15.421.538	- -	MGX 1126 * 16.908.866 *	- -	- -	
MG 178 (IA0925)	14,0	120	56/8,2/86	L30°				O	
11.204.583	VALMET								
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK5851 14V 120A	- -	MGX 789 * 16.907.787 *	MGX 221 * 16.908.665 *	MGX 130 * 16.350.221 *	MGX 1296 15.300.696	MGX 875 * 16.362.909 *	- -	MGX 391 * 16.907.116 *	MGX 363 16.906.347
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 309 * 16.902.556 *	MGX 790 * 16.907.788 *	- -	MGX 657 15.421.538	- -	MGX 1126 * 16.908.866 *	- -	- -	



	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 182 (IA1320)	14,0	120	56/10,2/90	L60°				O	
11.203.828	MASSEY-FERGUSON, VALTRA (VALMET)								
									
	1	2	3	4	5	6	7	8	9
AAK5761 14V 120A	-	MGX 771 *	MGX 746	MGX 1055	MGX 1296	MGX 1283 *	-	MGX 803 *	MGX 684
	-	16.907.665 *	16.908.961	16.350.143	15.300.696	16.362.561 *	-	16.907.691 *	16.908.609
	10	11	12	13	14	15	16	17	
	MGX 51 *	MGX 790 *	-	MGX 657	-	MGX 1277	-	-	
	16.902.404 *	16.907.788 *	-	15.421.538	-	16.915.221	-	-	
MG 200 (IA1113)	14,0	95	50,8/10,2/86	0°	-	-	-	O	
11.203.401	AGCO								
									
	1	2	3	4	5	6	7	8	9
AAK5570 14V 95A	-	MGX 903 *	MGX 1061	MGX 465	MGX 1296	MGX 876	-	MGX 391 *	MGX 363
	-	16.915.367 *	16.908.607	16.350.129	15.300.696	16.362.911	-	16.907.116 *	16.906.347
	10	11	12	13	14	15	16	17	
	MGX 688	MGX 1146	-	MGX 657	-	MGX 1277	-	-	
	16.902.097	16.908.839	-	15.421.538	-	16.915.221	-	-	
MG 207 (IA0505)	14,0	45	80/8,2/86	L60°	75,0	12,7	35,5	D	
11.201.505	FORD, NEW HOLLAND								
									
	1	2	3	4	5	6	7	8	9
AAK1345 14V 45A	MGX 398	MGX 184 *	MGX 357 *	MGX 1209 *	MGX 1174	MGX 504 *	MGX 248 *	-	MGX 464
	15.900.726	16.906.181 *	16.906.182 *	16.350.020 *	15.300.686	16.906.844 *	16906600 *	-	16.906.116
	10	11	12	13	14	15	16	17	
	MGX 751 *	MGX 249 *	MGX 11	MGX 229 *	MGX 976 *	MGX 1010 *	-	-	
	16.905.321 *	16.906.601 *	16.905.295	16.905.322 *	15.400.667 *	11.125.357 *	-	-	



* Item sob consulta / A consultar



	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 209 (IA1078)	14,0	55	56/8,2/86	L60°	-	-	-	O	
11.203.405	DEUTZ (SAME DEUTZ-FAHR GROUP)(I), DEUTZ-FAHR, HITTNER, JOHN DEERE								
									
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK4349 14V 55A	MGX 398 15.900.726	MGX 1205 16.907.038	MGX 221 * 16.908.665 *	MGX 307 * 16.350.159 *	MGX 52 15.300.996	MGX 719 16.907.339	- -	MGX 782 * 16907597 *	MGX 464 16.906.116
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 154 16.907.041	MGX 144 15.133.707	MGX 578 16.900.353	- -	MGX 397 15.421.496	MGX 1057 11.125.315	- -	- -	
MG 212 (IA0810)	14,0	70	80,5/8,2/86	L60°	-	-	-	D	
11.201.810	CASE, JCB, LISTER PETER, MASSEY-FERGUSON, MCCORMICK, PERKINS, VALTRA (VALMET)								
									
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK4598 14V 70A	MGX 398 15.900.726	MGX 184 * 16.906.181 *	MGX 336 16.905.271	MGX 301 16.350.035	MGX 1174 15.300.686	MGX 374 16.906.845	- -	MGX 335 * 16.905.236 *	MGX 750 * 16.905.276 *
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 562 * 16.907.517 *	MGX 1453 * 16.907.525 *	MGX 668 * 16.905.277 *	MGX 1247 * 16.907.373 *	- -	MGX 863 * 11.125.322 *	- -	- -	
MG 223 (IA1504)	14,0	120	82/10,2/86	R60°	55,0	PVx8	37,1	D	
11.204.484	NEW HOLLAND								
									
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK4858 14V 120A	MGX 398 15.900.726	MGX 943 16.915.809	MGX 746 16.908.961	MGX 1121 16.350.190	MGX 52 15.300.996	MGX 1165 16.907.543	MGX 908 16.915.810	- -	MGX 93 16.915.887
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 493 16.907.546	MGX 494 16.907.547	MGX 408 16.915.039	- -	MGX 397 15.421.496	MGX 788 11.125.262	- -	- -	

	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 225 (IA1357)	14,0	200	101/13,2/99	0°	60,0	PVx8	37,1	D	
11.204.525	NEW HOLLAND, CLAAS								
									
	1	2	3	4	5	6	7	8	9
AAN5875 14V 200A	-	MGX 1621 *	MGX 1123 *	MGX 849	MGX 949	MGX 845 *	MGX 1217 *	-	MGX 836
	-	16.907.571 *	16.907.060 *	16.350.608	16.300.295	16.363.050 *	16.907.572 *	-	16.915.145
	10	11	12	13	14	15	16	17	
	MGX 1319 *	MGX 1265 *	-	MGX 438 *	-	MGX 281	-	-	
	16.915.783 *	16.915.306 *	-	16.420.721 *	-	16.908.881	-	-	
MG 247 (IA0895)	28,0	140	180/M12/120	L60°	-	-	-	D	
11.201.895	MERCEDES-BENZ								
									
	1	2	3	4	5	6	7	8	9
AAT1306 28V 140A	MGX 227 *	MGX 405 *	MGX 678 *	MGX 458 *	-	MGX 660 *	-	MGX 679 *	-
	15.131.902 *	16.283.206 *	16.283.206 *	16.350.285 *	-	16.361.269 *	-	16.908.115 *	-
	10	11	12	13	14	15	16	17	
	MGX 422	MGX 622 *	MGX 1220 *	-	-	MGX 252 *	-	-	
	16.904.905	16.908.111 *	16.908.113 *	-	-	16.908.112 *	-	-	
MG 269 (IA1332)	14,0	175	101/13,2/99	0°	-	-	-	D	
11.204.401	CASE, NEW HOLLAND								
									
	1	2	3	4	5	6	7	8	9
AAN5834 14V 175A	-	MGX 520 *	MGX 131 *	MGX 1260	MGX 949	MGX 845 *	-	MGX 543 *	MGX 836
	-	16.907.153 *	16.907.154 *	16.350.609	16.300.295	16.363.050 *	-	16.907.061 *	16.915.145
	10	11	12	13	14	15	16	17	
	MGX 855 *	MGX 1265 *	-	MGX 297 *	-	MGX 1288	-	-	
	16.915.776 *	16.915.306 *	-	16.420.594 *	-	16.915.220	-	-	

* Item sob consulta / A consultar

	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 271 (IA0692) 11.204.373	14,0	65	27/10,3/83	0°	90,0	12,7	32,5	O	
	MASSEY-FERGUSON								
									
	1	2	3	4	5	6	7	8	9
AAK4822 14V 65A	MGX 757 *	MGX 359 *	MGX 669 *	MGX 301	MGX 1120	MGX 151 *	MGX 238 *	-	MGX 750 *
	15.900.156 *	16.906.311 *	16.905.559 *	16.350.035	16.908.914	16.907.017 *	16.905.988 *	-	16.905.276 *
	10	11	12	13	14	15	16	17	
	MGX 344	MGX 1059 *	MGX 207	MGX 1194	-	MGX 503	-	-	
	16.905.667	15.125.930 *	16.900.945	15.420.785	-	11.125.122	-	-	

	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 274 (IA1452) 11.204.352	14,0	120	50,8/10,2/86	0°	55,0	PV×8	24,1	O	
	CASE, NEW HOLLAND								
									
	1	2	3	4	5	6	7	8	9
AAK4813 14V 120A	MGX 398	MGX 224 *	MGX 1061	MGX 1121	MGX 52	MGX 1039 *	MGX 930 *	-	MGX 492
	15.900.726	16.907.935 *	16.908.607	16.350.190	15.300.996	16.916.149 *	16.915.788 *	-	16.907.545
	10	11	12	13	14	15	16	17	
	MGX 934	MGX 919 *	-	-	MGX 397	MGX 1271	-	-	
	16.915.559	15.125.130 *	-	-	15.421.496	16.915.560	-	-	




















	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 286 (IA1224) 11.203.822	14,0	120	82/8,2/86	R60°	61,0	PV×8	32,7	D	
	CASE, NEW HOLLAND, NEW HOLLAND (SPERRY NEW HOLL.), STEYR (STEYR-DAIMLER-PUCH AG)								
									
	1	2	3	4	5	6	7	8	9
AAK5759 14V 120A	-	MGX 591	MGX 221 *	MGX 1055	MGX 1296	MGX 877	MGX 407 *	-	MGX 363
	-	16.907.008	16.908.665 *	16.350.143	15.300.696	16.362.913	16.915.041 *	-	16.906.347
	10	11	12	13	14	15	16	17	
	MGX 51 *	MGX 635	MGX 408	MGX 944 *	-	MGX 1277	-	-	
	16.902.404 *	16.908.610	16.915.039	15.421.985 *	-	16.915.221	-	-	




















	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 312 (IA1026) 11.203.399	28,0	55	56/10,2/90	L60°				O	
DEUTZ / LIEBHERR									
	1	2	3	4	5	6	7	8	9
AAK5568 28V 55A	-	MGX 742 *	MGX 746	MGX 306	MGX 1296	MGX 869	-	MGX 432 *	MGX 363
	-	16.908.831 *	16.908.961	16.350.137	15.300.696	16.362.894	-	16.908.463 *	16.906.347
	10	11	12	13	14	15	16	17	
	MGX 10 *	MGX 1146	-	MGX 657	-	MGX 43	-	-	
	16.902.181 *	16.908.839	-	15.421.538	-	16.908.762	-	-	




















	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 313 (IA1154) 11.203.332	14,0	120	56/8,2/86	0°	-	-	-	O	
JOHN DEERE									
	1	2	3	4	5	6	7	8	9
AAK4321 14V 120A	MGX 398	MGX 1224 *	MGX 336	MGX 1121	MGX 52	MGX 110 *	-	MGX 538 *	MGX 464
	15.900.726	16.907.397 *	16.905.271	16.350.190	15.300.996	16.907.046 *	-	16.907.399 *	16.906.116
	10	11	12	13	14	15	16	17	
	MGX 1185 *	MGX 502 *	MGX 578	-	MGX 397	MGX 788	-	-	
	16.911.052 *	15.132.019 *	16.900.353	-	15.421.496	11.125.262	-	-	







	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 314 (IA1081) 11.203.331	14,0	95	56/8,2/86	L60°	-	-	-	O	
DEUTZ-FAHR, FAHR, IVECO									
	1	2	3	4	5	6	7	8	9
AAK4320 14V 95A	MGX 398	MGX 277 *	MGX 221 *	MGX 9 *	MGX 52	MGX 110 *	-	MGX 782 *	MGX 464
	15.900.726	16.907.045 *	16.908.665 *	16.350.158 *	15.300.996	16.907.046 *	-	16.907.597 *	16.906.116
	10	11	12	13	14	15	16	17	
	MGX 1089	MGX 144	MGX 578	-	MGX 397	-	-	-	
	16.907.048	15.133.707	16.900.353	-	15.421.496	11.125.315	-	-	

* Item sob consulta / A consultar







	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 316 (IA1131) 11.203.264	14,0	80	50,8/9,6/86	0°	87,6	12,7	32,6	O	
	NEW HOLLAND								
									
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK4305 14V 80A	MGX 398 15.900.726	MGX 101 16.907.159	MGX 336 16.905.271	MGX 167 16.350.149	MGX 499 16.907.160	MGX 118 16.906.838	MGX 162 16.907.161	- -	MGX 464 16.906.116
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 270 16.907.162	MGX 1062 16.908.819	MGX 11 16.905.295	MGX 1189 16.907.526	MGX 976 * 15.400.667 *	MGX 968 11.125.345	- -	- -	























































	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 322 (IA1214) 11.203.461	28,0	50	50,8/10,2/86	0°	60,0	PVx8	27,2	O	
	JOHN DEERE								
									
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK4362 28V 50A	MGX 412 * 16.420.501 *	MGX 224 * 16.907.935 *	MGX 1345 * 16.916.036 *	MGX 149 * 16.350.243 *	MGX 52 15.300.996	- 16.916.217	MGX 1176 * 16.915.524 *	- -	MGX 464 16.906.116
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 147 * 16.911.032 *	MGX 486 * 15.132.004 *	MGX 1467 * 16.907.555 *	- -	MGX 397 15.421.496	MGX 816 * 11.125.290 *	- -	- -	

	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 336 (IA1083) 11.203.395	28,0	55	56/10,2/90	L60°				O	
	DEUTZ								
									
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK5564 28V 55A	- -	MGX 388 * 16.907.108 *	MGX 746 16.908.961	MGX 285 * 16.350.207 *	MGX 1296 15.300.696	MGX 531 * 16.362.021 *	- -	MGX 263 * 16.907.109 *	MGX 363 16.906.347
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 291 * 16.902.722 *	MGX 389 * 16.907.110 *	MGX 381 * 16.907.050 *	MGX 410 * 15.421.606 *	- -	MGX 1023 * 16.915.905 *	- -	- -	



	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 344 (IA1023) 11.203.398	14,0	95	56/10,2/90	L60°				O	
	DEUTZ / TEREX								
									
	1	2	3	4	5	6	7	8	9
AAK5567 14V 95A	-	MGX 742 *	MGX 746	MGX 465	MGX 1296	MGX 874 *	-	MGX 432 *	MGX 363
	-	16.908.831 *	16.908.961	16.350.129	15.300.696	16.362.907 *	-	16.908.463 *	16.906.347
	10	11	12	13	14	15	16	17	
	MGX 688	MGX 1146	-	MGX 657	-	MGX 1122	-	-	
	16.902.097	16.908.839	-	15.421.538	-	16.908.833	-	-	
MG 378 (IA0599) 11.201.599	14,0	45	80/8,2/86	R60°	67,0	PVx8	33,0	D	
	FORD NEW HOLLAND								
									
	1	2	3	4	5	6	7	8	9
AAK1354 14V 45A	MGX 398	MGX 247 *	MGX 357 *	MGX 1209 *	MGX 1174	MGX 504 *	MGX 289 *	-	MGX 464
	15.900.726	16.906.596 *	16.906.182 *	16.350.020 *	15.300.686	16.906.844 *	16.908.066 *	-	16.906.116
	10	11	12	13	14	15	16	17	
	MGX 1213 *	MGX 700 *	MGX 668 *	MGX 338 *	MGX 976 *	MGX 863 *	-	-	
	16.907.509 *	16.906.598 *	16.905.277 *	16.905.303 *	15.400.667 *	11.125.322 *	-	-	
MG 404 (IA1020) 11.203.088	14,0	120	81/8,2/86	R60°	67,0	PVx8	32,7	D	
	CASE, FORD NEW HOLLAND								
									
	1	2	3	4	5	6	7	8	9
AAK5355 14V 120A	-	MGX 591	MGX 1061	MGX 1055	MGX 1296	MGX 877	MGX 406	-	MGX 363
	-	16.907.008	16.908.607	16.350.143	15.300.696	16.362.913	16.915.040	-	16.906.347
	10	11	12	13	14	15	16	17	
	MGX 385	MGX 653 *	-	MGX 657	-	MGX 1277	-	-	
	16.902.147	16.908.534 *	-	15.421.538	-	16.915.221	-	-	



* Item sob consulta / A consultar



	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 414 (IA0727) 11.201.727	14,0	95	50,8/10,2/86	0°	60,0	PVx8	27,0	O	
	JOHN DEERE								
									
	1	2	3	4	5	6	7	8	9
AAK5123 14V 95A	-	MGX 903 *	MGX 1061	MGX 465	MGX 1296	MGX 873 *	MGX 392 *	-	MGX 363
	-	16.915.367 *	16.908.607	16.350.129	15.300.696	16.362.905 *	16.907.118 *	-	16.906.347
	10	11	12	13	14	15	16	17	
	MGX 688	MGX 1146	-	MGX 657	-	MGX 1277	-	-	
	16.902.097	16.908.839	-	15.421.538	-	16.915.221	-	-	
MG 462 (IA0095) 11.201.095	14,0	33	27/10,2/83	0°	80,0	12,7	28,7	O	
	MASSEY-FERGUSON, MOTOR IBERICA								
									
	1	2	3	4	5	6	7	8	9
AAG1310 14V 33A	MGX 757 *	MGX 523 *	MGX 618 *	MGX 47 *	MGX 1150 *	MGX 459 *	MGX 35 *	-	MGX 616 *
	15.900.156 *	16.905.521 *	16.905.253 *	18.350.317 *	16.300.020 *	16.906.273 *	16.906.807 *	-	16.905.214 *
	10	11	12	13	14	15	16	17	
	MGX 619 *	MGX 404 *	-	-	MGX 2 *	MGX 141 *	-	-	
	16.905.254 *	15.130.165 *	-	-	15.420.028 *	11.125.198 *	-	-	
MG 467 (IA1545) 11.204.502	14,0	150	2x56/10,2/90	R60°	-	-	-	O	
	JOHN DEERE								
									
	1	2	3	4	5	6	7	8	9
AAN5869 14V 150A	-	MGX 1103	MGX 746	MGX 1260	MGX 949	MGX 880 *	-	MGX 286	MGX 836
	-	16.908.875	16.908.961	16.350.609	16.300.295	16.362.863 *	-	16.908.963	16.915.145
	10	11	12	13	14	15	16	17	
	MGX 1001	MGX 835	-	MGX 1015	-	MGX 1002	-	-	
	16.915.950	16.915.146	-	16.421.195	-	16.915.951	-	-	





























































	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 473 (IA1031)	28,0	80	2x56/10,2/90	L60°	-	-	-	O	
11.204.409	DEUTZ (SAME DEUTZ-FAHR GROUP)(I), DEUTZ AG (KHD), NORMET								
									
AAN5836 28V 80A	-	MGX 1103	MGX 746	MGX 848 *	MGX 949	MGX 834 *	-	MGX 286	MGX 836
	-	16.908.875	16.908.961	16.350.604 *	16.300.295	16.362.811 *	-	16.908.963	16.915.145
									
	MGX 1006 *	MGX 835	-	MGX 411	-	MGX 140 *	-	-	-
	16.915.829 *	16.915.146	-	16.420.568	-	16.908.883 *	-	-	-
MG 477 (IA1522)	14,0	120	50,8/10,2/86	0°	-	-	-	O	
11.204.405	CASE, JOHN DEERE, TIMRICK, WILLMAR								
									
AAK4834 14V 120A	MGX 398	MGX 433	MGX 336	MGX 1121	MGX 402 *	MGX 1165	-	MGX 1253	MGX 492
	15.900.726	16.907.355	16.905.271	16.350.190	15.300.948 *	16.907.543	-	16.908.675	16.907.545
									
	MGX 1089	MGX 144	MGX 578	-	MGX 276	MGX 788	-	-	-
	16.907.048	15.133.707	16.900.353	-	16.907.042	11.125.262	-	-	-
MG 490 (IA1058)	14,0	150	102x23,2x99	0°	-	-	-	D	
11.204.361	CASE, NEW HOLLAND								
									
AAN5819 14V 150A	-	MGX 258 *	MGX 1123 *	MGX 1260	MGX 949	MGX 812 *	-	MGX 543 *	MGX 836
	-	16.907.059 *	16.907.060 *	16.350.609	16.300.295	16.362.820 *	-	16.907.061 *	16.915.145
									
	MGX 1321 *	MGX 1265 *	-	MGX 438 *	-	MGX 281	-	-	-
	16.915.858 *	16.915.306 *	-	16.420.721 *	-	16.908.881	-	-	-

* Item sob consulta / A consultar




















	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 501 (IA1400)	28,0	55	50,8/10,2/86	0°	70,7	12,7	-	-	
11.203.849	CUMMINS								
									
	1	2	3	4	5	6	7	8	9
AAK1877 28V 55A	MGX 398	MGX 224 *	MGX 746	MGX 149 *	MGX 52	MGX 1170 *	MGX 1565 *	-	MGX 492
	15.900.726	16.907.935 *	16.908.961	16.350.243 *	15.300.996	16.907.554 *	16.915.329 *	-	16.907.545
	10	11	12	13	14	15	16	17	
	MGX 830 *	MGX 144	MGX 1195 *	-	MGX 276	MGX 897 *	-	-	
	16.915.130 *	15.133.707	16.911.062 *	-	16.907.042	11.125.299 *	-	-	




















	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 613 (IA1547)	14,0	200	2x56/10,2/90	R60°	-	-	-	O	
11.204.424	JOHN DEERE								
									
	1	2	3	4	5	6	7	8	9
AAN5840 14V 200A	-	MGX 1103	MGX 746	MGX 849	MGX 949	MGX 967	-	MGX 286	MGX 836
	-	16.908.875	16.908.961	16.350.608	16.300.295	16.363.266	-	16.908.963	16.915.145
	10	11	12	13	14	15	16	17	
	MGX 1001	MGX 835	-	MGX 1015	-	MGX 1002	-	-	
	16.915.950	16.915.146	-	16.421.195	-	16.915.951	-	-	

	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 623 (IA1469)	28,0	55	78/10,2/93,7	L90°	56,2	PVx8	30,5	D	
11.204.920	JCB								
									
	1	2	3	4	5	6	7	8	9
AAK5885 28V 55A	-	MGX 1124 *	MGX 221 *	MGX 306	MGX 1296	MGX 870 *	MGX 125 *	-	MGX 363
	-	16.907.291 *	16.908.665 *	16.350.137	15.300.696	16.362.897 *	16.907.292 *	-	16.906.347
	10	11	12	13	14	15	16	17	
	MGX 10 *	MGX 1181 *	-	MGX 838 *	-	MGX 545 *	-	-	
	16.902.181 *	16.907.372 *	-	16.421.017 *	-	16.907.507 *	-	-	

	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.	
MG 626 (IA0226)	14,0	65	56/8,2/86	L60°	-	-	-	O	
11.204.880	DEUTZ AG (KHD), DEUTZ-FAHR, FENDT, JW, KRAMER, LINDE, MARSHALL (MARSHALL TRACTORS), STEYR (STEYR-DAIMLER-PUCH AG), VM MOTORI								
									
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK4620 14V 65A	MGX 398 15.900.726	MGX 1644 * 16.915.952 *	MGX 1061 16.908.607	MGX 301 16.350.035	MGX 1296 15.300.696	MGX 194 * 16.906.105 *	- -	MGX 1652 * 16.915.756 *	MX 8 * 16.905.611 *
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 344 16.905.667	MGX 1059 * 15.125.930 *	-	MGX 205 * 15.420.603 *	-	MGX 503 11.125.122	-	-	-
MG 636 (IA1272)	14,0	120	82/8,2/86	L60°	-	-	-	D	
11.204.641	MASSEY-FERGUSON, VALTRA (VALMET)								
									
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK4923 14V 120A	MGX 398 15.900.726	MGX 1167 16.907.548	MGX 1061 16.908.607	MGX 1121 16.350.190	MGX 52 15.300.996	MGX 1014 16.916.077	- -	MGX 1100 * 16.908.320 *	MGX 492 16.907.545
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 1089 16.907.048	MGX 1232 16.907.777	MGX 578 16.900.353	-	MGX 397 15.421.496	MGX 1295 11.125.343	-	-	-
MG 651 (IA1475)	28,0	80	-	L60°				O	
11.204.119									
									
	1 	2 	3 	4 	5 	6 	7 	8 	9 
AAN8133 28V 80A	-	MGX 1347 * 16.916.110 *	-	MGX 748 * 16.350.146 *	MGX 949 16.300.295	MGX 912 * 16.363.209 *	MGX 999 * 16.916.111 *	-	MGX 836 16.915.145
	10 	11 	12 	13 	14 	15 	16 	17 	
	MGX 1323 16.915.687	MGX 961 * 16.916.113 *	-	MGX 1326 * 16.421.039 *	-	MGX 1000 * 16.916.114 *	-	-	-

* Item sob consulta / A consultar

	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.		
MG 714 (IA1684) 11.204.681	28,0	140	-	-	-	PVx8	-	O		
	JOHN DEERE									
										
		1 	2 	3 	4 	5 	6 	7 	8 	9 
AAN5916 28V 140A	-	MGX 1103	MGX 1345 *	-	MGX 949	MGX 834 *	-	-	MGX 836	
	-	16.908.875	16.916.036 *	-	16.300.295	16.362.811 *	-	-	16.915.145	
	10 	11 	12 	13 	14 	15 	16 	17 		
	MGX 1329 *	MGX 959 *	-	MGX 905 *	-	MGX 1330 *	-	-		
	16.915.973 *	16.915.974 *	-	16.421.088 *	-	16.915.975 *	-	-		

	V	A	L / Bore Ø / R	α1	Ø	B	Z	Fix./Fij.		
MG 721 (IA1451) 11.204.913	14,0	80	75/10,2/85		80,0	16,3	45,0	D		
	JCB									
										
		1 	2 	3 	4 	5 	6 	7 	8 	9 
AAK4634 14V 80A	MGX 398	-	MGX 221 *	MGX 167	MGX 1174	MGX 817 *	-	-	-	
	15.900.726	-	16.908.665 *	16.350.149	15.300.686	16.915.154 *	-	-	-	
	10 	11 	12 	13 	14 	15 	16 	17 		
	MGX 752 *	-	MGX 1305 *	MGX 32 *	MGX 976 *	MGX 972 *	-	-		
	16.905.654 *	-	16.902.712 *	16.906.622 *	15.400.667 *	11.125.352 *	-	-		

LISTA DE COMPONENTES AVULSOS / LISTADO DE COMPONENTES (DESPIECE)

Código MAHLE	Código Letrika	Código MAHLE	Código Letrika	Código MAHLE	Código Letrika	Código MAHLE	Código Letrika
MGX 070	16906453	MGX 781	16907596	MGX 1381	15133539	MGX 1431	16911176
MGX 134	16361913	MGX 868	16350512	MGX 1395	16907393	MGX 1436	16915193
MGX 166	16350142	MGX 892	16915239	MGX 1401	16907903	MGX 1661	16915574
MGX 191	16906850	MGX 929	16915785	MGX 1402	16907904	MGX 1662	16283720
MGX 222	16908676	MGX 1113	16907114	MGX 1403	16907929	MGX 1674	16770134
MGX 340	16905447	MGX 1134	16907115	MGX 1404	16907991	MGX 684	16.908.609
MGX 378	16907009	MGX 1136	16908429	MGX 1410	16915266	MGX 765	16.915.018
MGX 400	15902157	MGX 1149	16907155	MGX 1415	15421124	MGX 781	16.907.596
MGX 401	15300688	MGX 1222	16907392	MGX 1418	16907039	MGX 868	16.350.512
MGX 490	16907995	MGX 1369	15400473	MGX 1419	16907113	MGX 869	16.362.894
MGX 491	16907335	MGX 1372	16907931	MGX 1422	16907194	MGX 892	16.915.239
MGX 535	16907391	MGX 1375	16907106	MGX 1424	16907776	MGX 929	16.915.785
MGX 563	16907518	MGX 1376	16907930	MGX 1425	16907795		
MGX 579	16362056	MGX 1377	16915186	MGX 1426	16907990		
MGX 765	16915018	MGX 1378	16915191	MGX 1427	16907992		

APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSIÓN	MOTOR	PART NUMBER MAHLE	REF. MAHLE LETRIKA	REF. LETRIKA	REF. EO	FAMÍLIA FAMILIA	TENSÃO TENSION
AGCO								
Allis	8630/6670/6680/6690	Same 1000.6AT/1000.4A/1000.4AT/1000.6A	MG 515	IA0463	11201463	72277319	AAK3563	14V 65A
800		420DR	MG 176	IA0470	11204581	4644 670 0	AAK4893	14V 65A
200 SERIE		216Saloon	MG 101	IA0706	11201706	C000900010160	AAK4567	14V 55A
3065L		4,9CWA; 4-cyl, 175HP	MG 178	IA0925	11204583	V836666721	AAK5851	14V 120A
CHALLENGER	MT345B	Sislu Diesel	MG 541	IA0983	11203393	3823 653 M1	AAK4345	14V 80A
Traktors			MG 577	IA1126	11204161	6201 811 M91	AAN5320	14V 150A
84/Tractors	CTA	84CTA - 4V; SCR	MG 28	IA1242	11204165	8366 673 15	AAN5324	14V 150A
TRACTORS			MG 37	IA1383	11204189	4297 121 M1	AAN5348	14V 150A
TRACTORS		FPT - F5C	MG 474	IA1384	11204410	4294 371 M1	AAN5837	14V 200A
AGCO Series	200BX	Agco Sisu Diesel	MG 737	IA1553		6237 276 M93		0
TRACTORS			MG 135	IA1635	11204772	6220 167 M91	AAK4984	14V 120A
AUDI								
A4	2,4	AMM	MG 10	IA1432	11204185	047 903 015 X	AAN5344	14V 150A
CASE								
1056 XLA	D-358		MG 604	IA0499	11203415	3218 544 EX	AAK4351	14V 65A
E-SERIE/Farm	833,A/433	D-239/D-155	MG 517	IA0507	11201507	3218 577 EX	AAG1341	14V 33A
LIFT TRUCKS, FORKLIFTS/100series/Farm	D20S/110/1896	Cummins 6BT/ 6-359 Diesel	MG 279	IA0595	11201935	A 186 125	AAK3330	14V 65A
CRAWLER LOADERS/ EXCAVATORS/LOADERS	1155E/855D/ E/1068B/9020, 9020B		MG 84	IA0759	11201941	AR 187 916	AAK3336	28V 50A
C/CX	100/70/80	4-244 Diesel/Perkins G4.0, G4.0T	MG 216	IA0811	11201811	229 301 A1	AAK4599	14V 70A
CX	70	Perkins 104-42	MG 403	IA0877	11201877	A 188 590 A1	AAK3313	14V 65A
COMBINES/FARM	1420/7150/9180/9230 /9240	D358/436/466/6-504/505 Diesel	MG 490	IA1058	11204361	202 360 T91	AAN5819	14V 150A
COMBINES	2155, 2166, 2188		MG 575	IA1169	11204159	125 849 A1R	AAN5318	14V 150A
CRAWLER TRACTORS	1150H/750H/850H	6-590 D/4-290, 4-390/ 6T-590	MG 233	IA1348	11203268	A 187 623	AAK4307	14V 95A
CITROEN								
AX	1.4	KAY,K1A,K1B,K1F,K1G,K2D	MG 370	IA0060	11201060	95 624 061	AAK1111	14V 50A
BX/C15/	14/ E 1.4	KAZ,K1F,K1G,150A,C,F,J,Y	MG 94	IA0256	11201256	91 514 788	AAK4105	14V 70A
XANTIA/BX/C25	1.9 Diesel Turbo/19I/D	DHW/ DFZKat,DDZKat,DZKKat./D9B	MG 194	IA0404	11201404	91 510 906	AAK3528	14V 70A
BX	17 Diesel Turbo	AJZ/A8A	MG 12	IA0590	11201590	95 653 968	AAK4535	14V 65A
AX	1.4D/ 1.3 Sport	K9A,K9Y/KAY,K1A,K1B,K1F, K1G,K2D/M4A	MG 593	IA0679	11201679	95 050 627	AAK4542	14V 70A
ZX/XSARA/XANTIA/EVASION/	1.9 Diesel Turbo/2.1 Diesel Turbo	DHY,D8A/P8C	MG 418	IA0963	11201963	96 178 491	AAK5186	14V 90A
XM	2.1 Diesel Turbo	P8A,P8B,PHZ	MG 405	IA1038	11203092	90 041 021	AAK5358	14V 80A
XM	2.1 Diesel Turbo	PHZ,P8B,P8C	MG 256	IA1039	11203093	95 667 751	AAK5359	14V 80A
XSARA/JUMPY	1.9D Break Coupe/1.9 Diesel Turbo	D8A,DHY,DHV/D8B,DHX	MG 96	IA1040	11203054	96 178 428	AAK5329	14V 80A
XM	2.0i Turbo/ 2.0i 16V	RGX,RGY	MG 97	IA1041	11203057	96 187 612	AAK5332	14V 80A
XSARA PICASSO/XANTIA	1.8i/ 2.0i 16V Coupe/ 2.0Hdi Break	6FZ/RHY,RHZ	MG 356	IA1158	11203337	5705 2C	AAK5553	14V 95A
C8	2.0 HDi	RHT,RHM,RHW	MG 11	IA1430	11204164	96 460 654	AAN5323	14V 150A
XSARA PICASSO	2.0 HDi	RHY	MG 66	IA1435	11204190	5702 A6	AAN5349	14V 150A
CLAAS								
COMBINES	DOMINATOR 48/ DOMINATOR 76/ DOMINATOR 86	Perkins-4.236/Perkins-6.372/ OM352	MG 604	IA0499	11203415	685 498 0	AAK4351	14V 65A
ARION	420 CIS/410/430	DPS 4-cyl 122HP	MG 484	IA1196	11204252	77 00 074 533	AAN8164	14V 175A
CNH / FIAT AGRI								
127	1050	127A.000	MG 123	IA0037	11201037	82847572	AAG1104	14V 33A
55	.90,DT		MG 42	IA0070	11201070	4808498	AAK1116	14V 45A
DAF								
DD575/DF615	Marin engines		MG 130	IA0746	11201939	181991	AAK3334	28V 55A
95.310-.400		WS225,259,282,295 AT i	MG 326	IA1094	11203231	1232608	AAT1329	28V 140A
75240/85.330	Ati	RS200L (EURO1), RS200M (EURO2)/WS242L (EURO1), WS242M (EURO2)	MG 460	IA9406	11209415	854300	AAN3106	28V 55A

APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSIÓN	MOTOR	PART NUMBER MAHLE	REF. MAHLE LETRIKA	REF. LETRIKA	REF. EO	FAMÍLIA FAMILIA	TENSÃO TENSION
95400/95.430/ 75.270/75240	AT i	WS295G (Euro1), WS295L (Euro1)/Euro 2/WS315M (Euro2)/RS200L (EURO1), RS200M (EURO2)	MG 493	IA9408	11209417	1298995	AAN3108	28V 80A
DEUTZ-FAHR (SAME DEUTZ-FAHR GR.)								
6207, 6207C	F4L912.44/7807, 7807C F4L913.55		MG 124	IA0096	11201096	0116 3985	AAG1311	14V 33A
DEUTZ AG (KHD)								
F4L1011F			MG 607	IA0484	11201484	0117 9896	AAK2302	14V 80A
F3L1011F			MG 114	IA0485	11201485	0118 0650	AAK2303	28V 40A
D	250	BF6L413FR	MG 718	IA0570	11204884	0117 2857	AAK4624	14V 65A
F6L413FW			MG 260	IA0574	11201574	0116 2729	AAK1352	28V 27A
F6L413FW			MG 425	IA0586	11204885	0117 8136	AAK4625	28V 35A
DEUTZ-FAHR (SAME DEUTZ-FAHR GR.)								
AGROTRON	120	BF6M2012C; 6-cyl; 118HP	MG 344	IA1023	11203398	0118 1745	AAK5567	14V 95A
DEUTZ AG (KHD)								
BF4M2012C			MG 312	IA1026	11203399	0118 1739	AAK5568	28V 55A
BF6M1012C		6-cyl.	MG 3	IA1057	11204149	0118 0758	AAN5308	14V 150A
BF6L913C		6 cyl.	MG 337	IA1076	11203396	0118 2167	AAK5565	28V 55A
BF6L913C		6 cyl.	MG 554	IA1079	11203404	0117 9468	AAK4348	28V 35A
DEUTZ-FAHR (SAME DEUTZ-FAHR GR.)								
DX	6.31, A	BF6L913T; 120HP	MG 597	IA1153	11203333	0118 1250	AAK4322	14V 120A
COMBINES 60 SERIE	6090 HTS	TCD7,8 L6; 226kW; Tier 4i	MG 29	IA1215	11204187	0118 2544	AAN5346	14V 200A
DEUTZ AG (KHD)								
BF4M2012C			MG 24	IA1326	11204463	0118 2968	AAK4849	14V 95A
DEUTZ-FAHR (SAME DEUTZ-FAHR GR.)								
TELEHANDLERS	AGROVECTOR 25,5	TCD3,6 L4; 75kW; Tier 4i	MG 165	IA1473	11204779	0412 3607	AAK4990	14V 120A
DOOSAN								
PORTABLE POWER	G150-III A	6068HFG82; 139kW; III A	MG 482	IA1299	11204395	46550712	AAK4830	14V 75A
FENDT								
FARMER	200S	KHD-F3L912; 35HP	MG 124	IA0096	11201096	X 830 060 003 000	AAG1311	14V 33A
FAVORIT	610LSA	MWM D226-6; 90HP	MG 604	IA0499	11203415	X 830 060 020	AAK4351	14V 65A
FAVORIT	916	D0826L2; 260HP	MG 329	IA1052	11203186	F 920 901 010 010	AAK5391	14V 90A
FAVORIT	711	Deutz 6-cyl: 115HP	MG 3	IA1057	11204149	F 934 900 010 040	AAN5308	14V 150A
FAVORIT	600LS/FW28	MWM D227-6; 86HP	MG 597	IA1153	11203333	G 198 902 011 010	AAK4322	14V 120A
FIAT								
127	1050	127A.000	MG 123	IA0037	11201037	4224325	AAG1104	14V 33A
150	NC,NT	8220,02	MG 369	IA0055	11201055	77050550	AAK1110	28V 35A
124	1200	124A.000	MG 150	IA0306	11201306	5920974	AAK4140	14V 55A
131	Mirafiori 1300	131A.000	MG 150	IA0306	11201306	7575998	AAK4140	14V 55A
400	i	F101..	MG 150	IA0306	11201306	4382200	AAK4140	14V 55A
RITMO	120TC Abarth	138AR..	MG 150	IA0306	11201306	77211411	AAK4140	14V 55A
DAILY	40F8	8140.61	MG 156	IA0327	11201327	46231786	AAK4153	14V 65A
DUCATO 14	DT	8144.21.220D.I	MG 156	IA0327	11201327	77515411	AAK4153	14V 65A
CROMA	2.5DS		MG 520	IA0328	11201328	4799364	AAK4154	14V 65A
580	,DT	8035.04.270	MG 521	IA0329	11201329	77452410	AAK4155	14V 65A
131	Mirafiori 2000D	8144,65	MG 191	IA0336	11201336	7565244	AAK4162	14V 55A
466	,DT	8035.02.276	MG 191	IA0336	11201336	77515410	AAK4162	14V 55A
127	900	M020AA..	MG 112	IA0347	11201347	4242498	AAK4167	14V 45A
CINQUECENTO	903		MG 112	IA0347	11201347	77110410	AAK4167	14V 45A
CINQUECENTO	903i.e.	Kat.	MG 608	IA0355	11201355	46231650	AAK4174	14V 55A
PANDA	1000	156A2.048	MG 205	IA0358	11201358	46231659	AAK4177	14V 55A
126	Bis	126A2	MG 535	IA0405	11201405	4395131	AAK3529	14V 55A
DUNA	60	146A6.000	MG 535	IA0405	11201405	7552459	AAK3529	14V 55A
REGATA	70	138B	MG 536	IA0406	11201406	4470266	AAK3530	14V 65A
127	1.3DS		MG 510	IA0432	11201432	4479063	AAK3538	14V 55A
FIORINO	1.3D	146B1.000	MG 510	IA0432	11201432	77235410	AAK3538	14V 55A
UNO	Turbo i.e.	146A2..	MG 244	IA0582	11201582	46231682	AAK4527	14V 65A

APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSIÓN	MOTOR	PART NUMBER MAHLE	REF. MAHLE LETRIKA	REF. LETRIKA	REF. EO	FAMÍLIA FAMILIA	TENSÃO TENSION
DAILY/GRINTA	30-8H	Sofim-8140.07.2700	MG 151	IA0585	11201585	4799364	AAK4530	14V 55A
131	Supermiraf. 2000	131CC..	MG 423	IA0591	11201591	7697863	AAK4536	14V 65A
412	i	F101C..	MG 423	IA0591	11201591	46231735	AAK4536	14V 65A
ARGENTA	100	132D	MG 423	IA0591	11201591	7697864	AAK4536	14V 65A
COUPE	S		MG 601	IA0694	11201694	46412678	AAK4555	14V 70A
CINQUECENTO	1.1 Sporting	Kat.	MG 360	IA0695	11201695	46231658	AAK4556	14V 65A
DUCATO	1.9DS Nuovo		MG 361	IA0696	11201696	46231756	AAK4557	14V 65A
TEMPRA	1.4i.e.	Kat.	MG 350	IA0697	11201697	46231691	AAK4558	14V 65A
TEMPRA	1,4		MG 208	IA0698	11201698	46231690	AAK4559	14V 65A
CINQUECENTO	700	170A.000	MG 98	IA0700	11201700	7708433	AAK4561	14V 65A
TEMPRA	1.8i.e.		MG 99	IA0701	11201701	46231700	AAK4562	14V 65A
DUCATO	1.9D/TDS	Mot.Peugeot	MG 387	IA0754	11201754	9611366880	AAK5131	14V 95A
SCUDO	1.9D	D9B	MG 422	IA0769	11201769	9612259680	AAK5136	14V 80A
ELBA	1,6	ATC	MG 160	IA0834	11201834	7674930	AAK3101	14V 70A
DUNA	60	146A6.000	MG 85	IA0839	11201942	46231676	AAK3135	14V 45A
SCUDO	1.9D		MG 418	IA0963	11201963	96 178 491 80	AAK5186	14V 90A
DUCATO	2		MG 408	IA1021	11203094	9612257180	AAK5360	14V 80A
SCUDO	1.9D	D9B	MG 96	IA1040	11203054	9617842980	AAK5329	14V 80A
DUCATO 10	2.0JTD	RHV	MG 356	IA1158	11203337	71716609	AAK5553	14V 95A
SCUDO	2.0 16V	RFN	MG 31	IA1244	11204163	71716671	AAK5322	14V 150A
FORD								
CAPRI	1,6	OHC1VHC	MG 427	IA0305	11201305	5 007 074	AAK4139	14V 55A
CORTINA	1600 MK IV	OHCTL16H	MG 196	IA0528	11201528	5 007 076	AAK3587	14V 55A
GALAXY	1.9TDI	1Z	MG 381	IA0898	11201898	1 031 896	AAK5171	14V 90A
CARGO	1317	KHD-F6L413F	MG 384	IA0903	11201903	1 620 918	AAK3318	28V 55A
ESCORT	1.8D Turbo	RFD,RFK	MG 231	IA0992	11201992	5 026 722	AAK5301	14V 70A
ESCORT	1.6i 16V	L1E	MG 390	IA0993	11201993	5 026 142	AAK5302	14V 70A
TRANSIT	2.5D Euroline	4FA,4FC,4FD Kat,4FB(D25N)	MG 454	IA9017	11209410	1 017 500	AAK5573	14V 90A
TRANSIT	2.5D	4AB	MG 507	IA9416	11209425	5 026 716	AAK3179	14V 70A
FORD NEW HOLLAND								
P358	SERIE 40		MG 525	IA0480	11201480	82 000 689	AAK1338	14V 45A
P358			MG 526	IA0481	11201481	F2 NN 10B376 BA	AAK1339	14V 65A
BACKHOES	445D	3-201	MG 283	IA0504	11201504	81 863 039	AAK1344	14V 65A
SERIES 60	GMA L/Cab		MG 378	IA0599	11201599	82 002 327	AAK1354	14V 45A
SERIES 60	GMA		MG 379	IA0600	11201600	82 002 328	AAK1355	14V 65A
TRACTORS	8160	6-456 Ford Diesel	MG 246	IA1019	11203087	82 002 329	AAK5354	14V 100A
COMBINES	CX8080		MG 470	IA1527	11204231	869 757 26	AAT3322	14V 220A
HATZ								
2G40		2G40; 2-cyl,	MG 627	IA0069	11201069	50504500	AAK1115	28V 35A
V	108		MG 438	IA0784	11201784	40099300	AAG1343	14V 33A
IVECO								
160	23AHW	KHD-F8L413F	MG 627	IA0069	11201069	42498155	AAK1115	28V 35A
DAILY/GRINTA	35.8	Sofim8140.61.200	MG 191	IA0336	11201336	42498239	AAK4162	14V 55A
190	30,P	8210.22.175,317,373	MG 399	IA0555	11201555	4757193	AAK4507	28V 55A
150	16AN..	KHD-BF6L913	MG 260	IA0574	11201574	42498157	AAK1352	28V 27A
DAILY/GRINTA	30-8H	Sofim-8140.07.2700	MG 151	IA0585	11201585	42498240	AAK4530	14V 55A
180	23AH/AHW	KHD-F8L513	MG 384	IA0903	11201903	42522722	AAK3318	28V 55A
ENGINES	F4GE9684RJ..	NEF; 4cyl. Tier 3	MG 561	IA1286	11203434	504193811	AAK5581	14V 120A
5FC		4 cyl	MG 487	IA1376	11204328	504271462	AAK4811	28V 65A
190	-30 H, N	8210.22.5...	MG 446	IA9423	11209438	61146542	AAK3118	28V 55A
DAILY/GRINTA	42612	Sofim-8140.61.200	MG 504	IA9430	11209443	42498239	AAK3197	14V 55A
JCB								
BACKHOE LOADERS	2CX	JCB444	MG 38	IA0908	11204138	320/08560-S	AAK5813	14V 95A
FASTRAC	125,135,145,155,185	1000-6 T/HRS/6T4/6-BTA	MG 560	IA1204	11203433	714/32200	AAK5580	14V 100A
DIESELMAX	NA,TC,TCA	Ind. EPA Tier 2/Stage 2	MG 69	IA1211	11204116	320/08650	AAK5808	28V 55A
AGRICULTURAL LOADALLS	524-50-AGRI		MG 74	IA1212	11204115	320/08649	AAK5807	14V 95A
WHEELED LOADING SHOVELS	403	Deutz D2009 L03	MG 67	IA1372	11204073	332/C9238	AAG5133	14V 55A
AGRICULTURAL LOADALLS	524-50-AGRI		MG 23	IA1484	11204467	320/08648	AAK5840	14V 95A

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MAHLE

APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSIÓN	MOTOR	PART NUMBER MAHLE	REF. MAHLE LETRIKA	REF. LETRIKA	REF. EO	FAMÍLIA FAMILIA	TENSÃO TENSIÓN
JOHN DEERE								
840		3.179DL-04	MG 215	IA0453	11201929	AL28 516	AAK3328	14V 55A
COMBINES	955		MG 277	IA0592	11201934	AL67175	AAK3329	14V 70A
BACKHOES	315 SE/SG	4045T	MG 279	IA0595	11201935	69X 566 77B	AAK3330	14V 65A
CRAWLERS	655B		MG 84	IA0759	11201941	AL12148	AAK3336	28V 50A
FARM	1020, OU, VU	3164	MG 438	IA0784	11201784	AR62401	AAG1343	14V 33A
COMBINES	2066		MG 251	IA0989	11201989	AL60033	AAK5197	14V 95A
ENGINES	3029	3-cyl	MG 479	IA0998	11204382	69X 566 77B	AAK4825	14V 75A
FARM	5070 M	4045; 69HP	MG 329	IA1052	11203186	AL111675	AAK5391	14V 90A
FARM	6100, 6100L	4-239	MG 3	IA1057	11204149	AL119537	AAN5308	14V 150A
GENSET	CD6068TF		MG 340	IA1087	11203212	RE523953	AAK5515	14V 120A
FARM	5100 M/MH	4045HL286 (EU)	MG 4	IA1095	11204152	AL111676	AAN5311	14V 120A
COMBINES	2155, 2156, 2188		MG 575	IA1169	11204159	RE36268	AAN5318	14V 150A
FARM	6500-2	4045T	MG 321	IA1213	11203462	RE525689	AAK4363	14V 75A
CRAWLERS	550G	4045T	MG 482	IA1299	11204395	69X 519 07A	AAK4830	14V 75A
ENGINES	4039DF/TF	4-cyl.	MG 483	IA1309	11204396	SE502627	AAK4831	14V 95A
ENGINES	4045...	4-cyl	MG 268	IA1310	11204413	AH165975	AAK4835	14V 120A
TERRAIN CUT MOVERS	7200A	3TNV84T; 3-cyl; 28kW	MG 87	IA1325	11204834	TCA17751	AAG5151	14V 45A
BACKHOES	310 C/B/D/E/G	4039D	MG 233	IA1348	11203268	AH137883	AAK4307	14V 95A
CRAWLERS	655B		MG 568	IA1362	11204140	AT175195	AAK3870	28V 50A
ENGINES	6081AFM75 (Marine)		MG 465	IA1366	11204591	RE531867	AAN5895	14V 150A
FAIRWAY MOWERS	7500A E-Cut		MG 93	IA1396	11204697	TCA17247	AAT3372	48V 180A
FARM	8120, 8120 T		MG 36	IA1412	11204151	RE185213	AAN5310	14V 150A
ENGINES	6081AFM75 (Marine)		MG 273	IA1443	11204425	RE540805	AAN5841	28V 100A
COMBINES	MD1065	6.359TZ-03	MG 270	IA1518	11204391	AL60033	AAK4829	14V 90A
TRACK LOADERS	CT315	JD4024; 49HP	MG 471	IA1528	11204139	RE509648	AAK5814	14V 70A
FARM	1654	6068HL285 (CHINA)	MG 264	IA1541	11204478	AL166645	AAK5842	14V 95A
LANDINI								
9880		T4.236	MG 192	IA0400	11201400	3538 542 M91	AAK1326	14V 55A
LEGEND		Perkins 1006-6HR3	MG 590	IA0415	11201415	3536 265 M91	AAK1329	14V 65A
9080		Perkins-T4.236	MG 592	IA0676	11201676	3552 682 M91	AAK1358	14V 55A
MINI		Perkins 1004-42	MG 86	IA0717	11201717	3555 971 M91	AAK1373	14V 65A
MINI		Perkins 1004-40T	MG 235	IA0764	11201764	3648 444 M91	AAK1388	14V 55A
GLOBUS	55	Perkins 903-27	MG 359	IA0800	11201800	3654 073 M91	AAK5145	14V 85A
LEGEND	115	Perkins 1006-6	MG 81	IA0907	11201907	3655 838 M91	AAK5174	14V 85A
5860		Perkins 903-27	MG 348	IA0913	11201913	3536 264 M91	AAK3320	14V 65A
POWERMASTER	190 NEF CR TAA	1763567	MG 738	IA1245	11204398	3685 957 M92	AAN5831	14V 150A
TRACTORS			MG 284	IA1315	11203667	3692 514 M91	AAK1817	14V 55A
LANDPOWER	125	FPT.NEF; 6-cyl; 117HP	MG 181	IA1328	11203621	3691 705 M93	AAK5728	14V 120A
GLOBALFARM	100		MG 199	IA1358	11203725	3695 885 M91	AAK1835	14V 65A
TRACTORS		Perkins Engines	MG 550	IA1373	11203675	3677 263 M91	AAK1820	14V 65A
LIEBHERR								
CRAWLER EXCAVATORS	R971	KHD-F8L413V	MG 260	IA0574	11201574	620 13 47	AAK1352	28V 27A
MAGIRUS-DEUTZ								
192M	14FL	F6L413F	MG 627	IA0069	11201069	292 81266	AAK1115	28V 35A
MAN								
15 t	15.240FOC	D2556MX	MG 368	IA0050	11201050	51 26101 9123	AAK1107	28V 35A
41 t	41.332VF/VFA	D2866LF/330	MG 289	IA0522	11201522	51 26101 7119	AAK1347	28V 55A
D0826	LFG01		MG 100	IA0705	11201705	51543402	AAK1367	28V 55A
10 t	10.150HOCL	D0826OH,02	MG 351	IA1001	11203001	81 26101 6064	AAT1313	28V 140A
V10-1100	10 cyl. 809kW (1100HP)		MG 320	IA1093	11203230	51 26101 7210	AAT1328	28V 120A
8 t - 12 t	.220	D0826LOH15	MG 311	IA1103	11203239	81 26101 6081	AAT1337	28V 140A
11 t	11.190HOCL	D0826LOH02	MG 391	IA1106	11203242	36 26101 6008	AAT1340	28,5V 140A
18 t	18.410 HOCL	D2876LOH02,D2876LOH05	MG 392	IA1107	11203243	51 26101 6085	AAT1341	29V 140A
11 t	11.190HOCL	D0826LOH02	MG 92	IA1415	11203697	51 26101 7258	AAT1379	28V 160A
24 t	24.314FNLLRC	D2866LF23(V2600,Euro3)	MG 460	IA9406	11209415	51 26101 7201	AAN3106	28V 55A
8 t	8.103F	D0824FL01(V1800,Euro1)	MG 493	IA9408	11209417	51 26101 7192	AAN3108	28V 80A
MASSEY-FERGUSON								

MAHLE
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APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSIÓN	MOTOR	PART NUMBER MAHLE	REF. MAHLE LETRIKA	REF. LETRIKA	REF. EO	FAMÍLIA FAMILIA	TENSÃO TENSION
MF 620		Perkins A6.372	MG 426	IA0301	11201301	3638 512 R91	AAK4135	14V 55A
MF 135		Perkins AD3.152	MG 272	IA0693	11204374	1691 795 R92	AAK4823	14V 65A
MF 274	Tractor	Perkins A4.236	MG 216	IA0811	11201811	6100 316 M91	AAK4599	14V 70A
MF 699		Perkins A6.354.4	MG 348	IA0913	11201913	3698 016 M91	AAK3320	14V 65A
MF 6110			MG 308	IA0970	11203388	4271 312 M93	AAK5562	14V 120A
MF6000/MF8000			MG 562	IA1203	11203175	3777 677 M1	AAK5384	14V 120A
MERCEDES-BENZ								
10 t	1017	OM353.950,52,53,75	MG 368	IA0050	11201050	005 154 11 02	AAK1107	28V 35A
6 t	L608D	OM314.948,967	MG 125	IA0097	11201097	005 154 34 02	AAK1130	14V 55A
15 t	LA1513	OM352.912A	MG 126	IA0102	11201102	005 154 29 02	AAK1301	14V 55A
16 t/19t	1628L/L1928	OM422.905,906,911/ OM355.969A	MG 463	IA0201	11201201	005 154 31 02	AAK1309	28V 27A
6 t/14t	609D/1420	OM364.919/364.906/ OM366.983LA	MG 20	IA0709	11201709	009 154 06 02	AAK1368	28V 35A
2 t/Car	208D/300Turbo	OM601.940/OM603.960	MG 22	IA0713	11201713	006 154 87 02	AAK4571	14V 70A
9 t	LA911B	OM352.906,990,969	MG 158	IA0722	11201722	007 154 23 02	AAK1374	14V 55A
2 t/car	208D/190 E2.3 16	OM601.940/M102.983	MG 421	IA0731	11201731	006 154 87 02	AAK4577	14V 70A
UNIMOG	U1550L	OM356.980(366)LA	MG 433	IA0781	11201781	006 154 39 02	AAK1394	28V 55A
O 303/ O405	GN(U80)	OM441.908,909,911; OM447.959hA,984hLA	MG 383	IA0868	11201868	009 154 08 02	AAT1303	28V 120A
O 303		OM421.951A	MG 247	IA0895	11201895	007 154 28 02	AAT1306	28V 140A
2 t/C	208D/200 Kompressor T	OM601.940	MG 352	IA1005	11203005	009 154 30 02	AAK5306	14V 90A
SPRINTER	214	M111.979E23	MG 398	IA1006	11203006	009 154 29 02	AAK5307	14V 90A
190/C	E2.6/200T	M103.942/M111.944,945	MG 19	IA1007	11203024	008 154 51 02	AAK5319	14V 70A
C/SPRINTER	200D T/310D	OM604.915/OM602.980 DE LA	MG 157	IA1012	11203030	010 154 48 02	AAK5322	14V 90A
SPRINTER	208D	OM601.943	MG 232	IA1013	11203007	010 154 49 02	AAK5308	14V 90A
SLK	200 Kompressor	M111.943	MG 47	IA1036	11203008	009 154 76 02	AAK5309	14V 90A
C/CLK	240/320	M112.910/M112.940	MG 2	IA1043	11204148	009 154 60 02	AAN5307	14V 120A
SERIE C-T MODELL/SPRINTER	43 AMG T/314	M113.944/M111.979/.984	MG 570	IA1044	11204150	010 154 10 02	AAN5309	14V 150A
200	CE Coupe	M111.940	MG 573	IA1085	11204191	009 154 43 02	AAN5350	14V 120A
11 t	1114(LK/LN2)	OM366.914	MG 299	IA1100	11203236	010 154 79 02	AAT1334	28V 140A
ECONIC	1828/2628L	OM906.941,952LA	MG 302	IA1102	11203238	009 154 72 02	AAT1336	28V 140A
ACTROS	4140/4143	OM541.920-925	MG 128	IA1104	11203240	008 154 78 02	AAT1338	28V 140A
400/SL	SEL/500SL	M119.971/ M119.972	MG 62	IA1108	11204153	009 154 56 02	AAN5312	14V 150A
280/SL	E/ 500SL	M104.942/M119.972	MG 572	IA1109	11204146	009 154 17 02	AAN5305	14V 120A
E/SPRINTER	200D/408D	OM604.917/ OM601.943	MG 574	IA1110	11204147	010 154 05 02	AAN5306	14V 120A
400/S	SLE/500SE,SEL	M119.971/M119.970	MG 571	IA1111	11204145	008 154 74 02	AAN5304	14V 120A
SERIE C	180	M111.951	MG 578	IA1137	11204157	011 154 84 02	AAN5316	14V 120A
V	200 CDI	OM611.980	MG 469	IA1529	11204431	013 154 36 02	AAK5837	14V 95A
2 t	208D	OM601.940	MG 456	IA9403	11209412	007 154 67 02	AAN3103	14V 90A
UNIMOG	U1250L	OM357.912(366)LA(EURO2)	MG 458	IA9404	11209413	005 184 81 02	AAN3104	28V 55A
SERIE S	300SD Turbo	OM603.971	MG 459	IA9405	11209414	008 154 40 02	AAN3105	14V 100A
14 t	1420,L	OM366.983LA	MG 460	IA9406	11209415	009 154 07 02	AAN3106	28V 55A
14 t	1420,L	OM366.983LA	MG 493	IA9408	11209417	007 154 92 02	AAN3108	28V 80A
ACTROS	1831,AK,L	OM541.920,926LA	MG 587	IA9413	11209422	009 154 99 02	AAN3112	28V 100A
SERIE C	200CDI	OM611.960	MG 448	IA9425	11209440	004 717 V0 05	AAN5572	14V 115A
ACTROS	1831 AK	OM 541.926	MG 503	IA9429	11209442	009 154 97 02	AAN3119	28V 80A
MITSUBISHI								
L300	2.5D	4D56/4D56T	MG 472	IA9417	11209426	A2TN0399	AAK5575	14V 70A
MWM-DIESEL								
TD226	-6		MG 627	IA0069	11201069	3 0571 01 0 0004	AAK1115	28V 35A
D327	-6		MG 124	IA0096	11201096	6 0571 01 0 0109	AAG1311	14V 33A
NISSAN								
PRIMERA	1,6	GA16DE, 60-80KW,	MG 86	IA0717	11201717	23100-71J00	AAK1373	14V 65A
ALMERA	1.5 dCi	K9K.7	MG 70	IA1414	11203923	23100-0Q2H	AAK5773	14V 120A
INTERSTAR	1.9 DT dCi80	F9Q	MG 90	IA1418	11203950	23100-00QA7	AAK5782	14V 120A
INTERSTAR	2.2 dCi	G9T.7.22	MG 91	IA1434	11204022	23100-00QAJ	AAK5788	14V 120A
ALMERA	2.0D		MG 455	IA9014	11209409	23100-0E400	AAK3177	14V 70A
TERRANO	2.7D Turbo	TD27T	MG 491	IA9410	11209419	23100-02N20	AAK3178	14V 70A



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APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSION	MOTOR	PART NUMBER MAHLE	REF. MAHLE LETRIKA	REF. LETRIKA	REF. EO	FAMÍLIA FAMILIA	TENSÃO TENSION
PERKINS								
MF 620		Perkins A6.372	MG 426	IA0301	11201301	23737R	AAK4135	14V 55A
MF 274	Tractor	Perkins A4.236	MG 216	IA0811	11201811	2871A142	AAK4599	14V 70A
4-107			MG 159	IA0832	11201832	2871A602	AAK3301	14V 70A
ENGINES			MG 142	IA1133	11204255	2871A903	AAN8167	28V 100A
MF6000/MF8000			MG 562	IA1203	11203175	2871A305	AAK5384	14V 120A
MF 8480		Sisu Diesel 6 cyl. Tier III	MG 28	IA1242	11204165	2871A412	AAN5324	14V 150A
TRACTORS			MG 27	IA1243	11204166	2871A901	AAN5325	28V 100A
6354/6-354-4M			MG 341	IA1391	11203844	2871A651	AAK1875	28V 55A
PEUGEOT								
205	1	TU9	MG 370	IA0060	11201060	5705 2J	AAK1111	14V 50A
104	1	XV3	MG 94	IA0256	11201256	5705 11	AAK4105	14V 70A
205	1,6	XU51C,XU5CPKat.	MG 194	IA0404	11201404	5557 24	AAK3528	14V 70A
505	2.2i Turbo	N9T/N9T Kat.	MG 258	IA0571	11201571	5702 79	AAK4518	14V 55A
405	1,6	XU51C	MG 12	IA0590	11201590	5701 D4	AAK4535	14V 65A
205	1	TU9	MG 593	IA0679	11201679	5705 F2	AAK4542	14V 70A
306	1.8i	XU7JP/Kat.	MG 387	IA0754	11201754	5705 A2	AAK5131	14V 95A
306	1.8D	XUD7	MG 422	IA0769	11201769	5705 E3	AAK5136	14V 80A
306	1.8 Diesel	161A	MG 418	IA0963	11201963	5701 C0	AAK5186	14V 90A
306	1.8i	L6A	MG 408	IA1021	11203094	5705 E6	AAK5360	14V 80A
605	2	R2A,R5A	MG 405	IA1038	11203092	5705 A3	AAK5358	14V 80A
605	2.1 Diesel Turbo	P8B,P8C	MG 256	IA1039	11203093	5705 G9	AAK5359	14V 80A
306	1.8D	161A,A9A-XUD7	MG 96	IA1040	11203054	5705 L5	AAK5329	14V 80A
306	1.8i 16V	RFS	MG 97	IA1041	11203057	5705 52	AAK5332	14V 80A
206	1.1i,SW	HFX,HFY	MG 356	IA1158	11203337	5705 2C	AAK5553	14V 95A
206	1.1i,SW	HFX,HFY	MG 293	IA1222	11203458	5705 2D	AAK5585	14V 120A
206	2.0Hdi	RHY	MG 31	IA1244	11204163	5705 4F	AAN5322	14V 150A
206	1.6 Hdi	9HZ	MG 11	IA1430	11204164	5705 AS	AAN5323	14V 150A
107/807	1.4 Hdi/2.0 i 16V	8HT/RFN	MG 66	IA1435	11204190	5702 A6	AAN5349	14V 150A
RENAULT								
R9/R11	1,1/1.4 Turbo	C1E715/C1J760	MG 461	IA0094	11201094	77 01 349 263	AAK1129	14V 50A
R5	1/ 1.3 Automatic/1.4 Turbo 2	689710/ 81029/ 840730	MG 374	IA0208	11201208	60 01 000 269	AAK1176	14V 55A
FUEGO/TRAFIC	1,4/1,6	847720/841 705	MG 527	IA0370	11201370	77 00 348 548	AAK4183	14V 70A
ESPACE/MASTER/TRAFIC	2/T28-35/ 2.1 D	J6R234/J5R-718/852750	MG 190	IA0469	11201469	77 00 665 612	AAK3565	14V 70A
R9/R11	1,7	F2N700/F2N730,712	MG 537	IA0532	11201532	77 00 721 797	AAK3591	14V 70A
R11	1.6 Diesel	F8M700	MG 538	IA0535	11201535	77 00 499 228	AAK3594	14V 65A
CLIO/ R19	1.8i 16S/1.9 Diesel Turbo	F7P720/F8Q744	MG 589	IA0536	11201536	77 00 784 979	AAK3595	14V 70A
CLIO	1,2/1.4i	E5F710,716/ E7J710,711,601,718,719,754	MG 514	IA0554	11201554	77 00 784 482	AAK4506	14V 70A
CLIO	1,1	C1E700	MG 598	IA0664	11201664	77 00 499 251	AAK4544	14V 65A
EXPRESS/R5	1.6D1.6 Diesel	F8M720/730/F8M720/730	MG 49	IA0763	11201763	77 00 730 273	AAK4584	14V 55A
CLIO	Baccara	F2N770	MG 411	IA0767	11201767	77 00 798 995	AAK4587	14V 70A
CLIO	1.9 Diesel	F8Q714/730/732	MG 419	IA0768	11201768	77 00 803 325	AAK4588	14V 70A
CLIO	1,4	E6J712,713	MG 155	IA0906	11201906	77 00 805 158	AAK3125	14V 70A
LAGUNA	1.8i	F3P 678,724	MG 328	IA1090	11203183	77 00 857 074	AAK5389	14V 80A
ESPACE/LAGUNA/NEVADA	2.2 Diesel Turbo	G8T 714,716	MG 325	IA1091	11203227	77 00 414 371	AAK5521	14V 110A
AGORA/TRACER	Citybus	MIDR06.20.45J41/ MIHR06.20.45A41	MG 333	IA1096	11203232	50 10 347 544	AAT1330	28,5V 140A
LAGUNA II	2.2 DCI	G9T600, D9T700, G9T702, D9T703	MG 7	IA1330	11204169	77 11 135 519	AAN5328	14V 150A
MEGANE II/KANGOO/SCENIC II	1.5 dCi/1.5 dCi/ 2.0 i 16V	K9K.7.22/28/29/K9K.7.12/ F4R.7.70/71/76	MG 70	IA1414	11203923	77 01 474 416	AAK5773	14V 120A
ESPACE III/MEGANE/SCENIC	1.9 dTi/	F9Q722/ F9Q732/733/738/ F9Q738	MG 89	IA1416	11203940	77 00 430 182	AAK5778	14V 120A
LAGUNA II GRANDTOUR	1.9 DCI	F9Q650,F9Q750,F9Q754	MG 90	IA1418	11203950	77 00 426 849	AAK5782	14V 120A
LAGUNA II PHASE 2	2.0 i 16V	F4T.7.12	MG 91	IA1434	11204022	77 00 427 476	AAK5788	14V 120A
107/407 SW	1.4 Hdi/2.2 i	8HT/ 3FZ	MG 66	IA1435	11204190	82 00 323 137	AAN5349	14V 150A
MEGANE II GRANDTOUR	1.9 DCI	F9Q 804	MG 65	IA1436	11204173	7711368601	AAN5332	14V 150A
LAGUNA II PHASE 2	1.9 dCi		MG 76	IA1437	11204026	77 11 135 332	AAK5791	14V 120A

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APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSIÓN	MOTOR	PART NUMBER MAHLE	REF. MAHLE LETRIKA	REF. LETRIKA	REF. EO	FAMÍLIA FAMILIA	TENSÃO TENSIÓN
RENAULT AGRICULTURE/CLAAS								
50-12	LB/V	DEUTZ-F3L912 (with cab)	MG 211	IA0691	11201691	60 05 011 692	AAK4552	14V 65A
ARES 610	RX,RZ	6059D	MG 435	IA0738	11201738	77 00 046 783	AAK5125	14V 95A
ARES 710	RZ	TRT50	MG 108	IA0830	11201830	77 00 048 828	AAK5157	14V 95A
103-12	RE/RS/TS/TX	MWM-TD226.4	MG 388	IA0880	11201946	77 00 053 087	AAK3340	14V 65A
TRACTORS			MG 413	IA1070	11203096	77 00 068 149	AAK5362	14V 95A
TRACTORS			MG 327	IA1073	11203181	77 00 068 501	AAK5388	14V 120A
ARES 557	ATZ		MG 339	IA1161	11203281	77 00 071 558	AAK5533	14V 120A
TRACTORS			MG 332	IA1165	11203321	77 00 073 467	AAK4318	14V 75A
TRACTORS			MG 484	IA1196	11204252	77 00 074 533	AAN8164	14V 175A
SCANIA								
R/P93	112/93/280	DS11.14,15,18,72,73/DSC9.02	MG 319	IA0801	11201801	1117252	AAK1398	28V 55A
BK/K	112CLB/113 CLB	DN11.06B/DS11.15B/DSC 11.22	MG 382	IA0902	11201902	160675	AAT1310	28V 140A
SERIE 94/ SERIE 124	K 94E, IB/T124/440/470/ P, R124/360, /400, /420, /420HPi	DSC9.15(Euro2)/ DC12.01(Euro3);12.02(Euro3)/ DSC12.02(Euro2);12.05(Euro2)	MG 494	IA9411	11209420	1336136	AAN3110	28V 80A
SERIE 112	T 112/316, 112/333, 112/345	DS 11.02; DS 11.18; DS 11.73	MG 183	IA9419	11209434	1117252	AAN3114	28V 55A
SERIE 113	K 113 CLA/CRA, CLB, TLA,.....	DSC 11.08; 11.08 B; 11.13 B	MG 184	IA9420	11209435	1105367	AAN3115	28V 55A
SSANGYONG								
KORANDO	2.0i 16V	M161E20	MG 573	IA1085	11204191	009 154 93 02	AAN5350	14V 120A
THERMO KING								
SUPER-II	30 TC Multi		MG 279	IA0595	11201935	44-8499	AAK3330	14V 65A
VALTRA (VALMET)								
365		320DS Turbo	MG 110	IA0276	11201276	VPF8033	AAK4118	14V 65A
800		420DR	MG 176	IA0470	11204581	836664064	AAK4893	14V 65A
6400		420D WRE / 44 ET	MG 178	IA0925	11204583	VPF8286	AAK5851	14V 120A
BH180/1780/1280	(cab)	Sisu 620DS; 6cyl. 189HP/81198200G/ 80511800	MG 39	IA1542	11204479	82665410	AAK4855	14V 120A
685/ BH185i/bh180	(plat)	83005000A/Sisu 620DSA; 6cyl./Sisu 620DS; 6cyl. 189HP	MG 226	IA1549	11204507	83632800	AAK4866	14V 55A
VOLKSWAGEN								
PASSAT/JETTA/ GOLF II	1.6 Diesel Turbo	SB	MG 45	IA0145	11201145	036 903 017 FX	AAK1150	14V 45A
BUS	1.6D/1.6DTurbo	CS/JX	MG 375	IA0211	11201211	036 903 017 GX	AAK1179	14V 65A
GOLF I/JETTA	1.6 Diesel	CR,JK	MG 376	IA0220	11201220	036 903 017 A	AAK1183	14V 65A
GOLF II/JETTA	1/1,3/ 1.6 Diesel Turbo	GN/JR/MF	MG 113	IA0348	11201348	036 903 017 E	AAK4168	14V 65A
AUDI, VW (VOLKSWAGEN)	2,0 5	HP	MG 185	IA0439	11201439	035 903 015 T	AAK3544	14V 65A
POLO	1.3	GK,GT,HH,HJ	MG 187	IA0446	11201446	036 903 017 A	AAK3553	14V 55A
BUS/TRANSPORTER	1,9	DF	MG 188	IA0448	11201448	028 903 023 C	AAK3555	14V 55A
LT	28	CH	MG 531	IA0526	11201526	049 903 023 E	AAK3585	14V 65A
PASSAT	2,0 5	HP	MG 513	IA0545	11201545	036 903 025 N	AAK4504	14V 65A
JETTA/GOLF I	1.6 Diesel	CR,JK	MG 380	IA0601	11201601	036 903 017 AX	AAK3501	14V 45A
GOLF CABRIOLET/POLO	1,3/1,0	HK	MG 401	IA0611	11201611	036 903 017 HX	AAK3510	14V 65A
PASSAT/PARATI/VOYAGE	1.8/1.6/1.5	DZ/ BI Alcool	MG 615	IA0613	11204886	046 903 023 H	AAK4626	14V 65A
POLO	1.3	HW	MG 410	IA0617	11201617	036 903 017	AAK3514	14V 65A
GOLF III VARIANT	2.0 syncro	AGG	MG 261	IA0889	11201889	028 403 023 GX	AAK5169	14V 70A
GOLF III VARIANT	2.0	AGG	MG 381	IA0898	11201898	021 903 017 A	AAK5171	14V 90A
PASSAT	2.0 Syncro	ADY,AGG	MG 252	IA0990	11201990	028 903 025 P	AAK5198	14V 90A
GOLF III	2.8 VR6	AAA	MG 242	IA1060	11203074	021 903 025 E	AAK5345	14V 70A
GOLF IV	1.8	AGU	MG 243	IA1062	11203076	037 903 025 B	AAK5347	14V 70A
POLO CLASSIC	1.9SDI	AEY	MG 253	IA1064	11203078	028 903 028 J	AAK5349	14V 90A
LT	28 2.5SDI	AGX	MG 254	IA1065	11203079	028 903 026	AAK5350	14V 90A
GOLF IV	1.6	AEH	MG 255	IA1066	11203080	037 903 025 C	AAK5351	14V 90A
CALIFORNIA	2.4D SYNCRO	AAB	MG 291	IA1128	11203223	074 903 025 K	AAK5518	14V 90A
BORA	1.9TDI	AGR,AHF,AJM,ALH,ARL,ASV,ASZ	MG 559	IA1142	11203316	038 903 023 K	AAK5547	14V 70A
GOLF IV	1.8 GTI Turbo	AGU	MG 295	IA1144	11203310	028 903 028 C	AAK5541	14V 70A
POLO	1.4	AKK,AKP,AUD	MG 296	IA1145	11203311	037 903 025 L	AAK5542	14V 70A
GOLF IV	1.9TDI	ATD	MG 555	IA1146	11203312	038 903 018 P	AAK5543	14V 90A

APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSIÓN	MOTOR	PART NUMBER MAHLE	REF. MAHLE LETRIKA	REF. LETRIKA	REF. EO	FAMÍLIA FAMILIA	TENSÃO TENSIÓN
POLO CLASSIC	1.6	AKL,AUR	MG 556	IA1147	11203313	028 903 028 D	AAK5544	14V 90A
PASSAT	2.8 VR6	AAA	MG 558	IA1149	11203315	021 903 025 F	AAK5546	14V 90A
GOLF V	1.9TDI	BJB,BKC	MG 64	IA1164	11204192	06F 903 023 A	AAN5351	14V 140A
NEW BEETLE	1.9 TDI		MG 32	IA1246	11204155	028 903 027 E	AAN5314	14V 120A
AUDI, VW (VOLKSWAGEN)	1.9 TDI		MG 214	IA1252	11203530	028 903 018 G	AAK5704	14V 90A
MULTIVAN	2.0	AAC	MG 276	IA1253	11203071	028 903 023 E	AAK5342	14V 90A
POLO	1.9 D	AEF	MG 106	IA1254	11203070	028 903 028 L	AAK5341	14V 90A
PASSAT	1.9 TDI	AHH	MG 602	IA1255	11203546	028 903 027 S	AAK5707	14V 90A
PASSAT VARIANT	1.9 TD	AHH	MG 364	IA1256	11203545	028 903 018 F	AAK5706	14V 90A
GOLF IV	2,3	AGZ	MG 363	IA1257	11203544	071 903 023	AAK5705	14V 90A
AUDI, SEAT, SKODA, VW (VOLKSWAGEN)			MG 367	IA1305	11203528	037 903 025 J	AAK5702	14V 90A
AUDI, CASELLA, SKODA, VW (VOLKSWAGEN)			MG 366	IA1306	11203529	036 903 024 E	AAK5703	14V 110A
SANTANA	1.8i	JN SOHC	MG 457	IA9402	11209411	026 903 015 B	AAN3102	14V 90A
JETTA II	1.6D Turbo	1V,SB	MG 492	IA9409	11209418	028 903 023 D	AAN3109	14V 90A
VOLVO								
740	2.4 Diesel	D24	MG 522	IA0511	11201511	1323912	AAK3579	14V 55A
240	2.0 Diesel	D20	MG 523	IA0512	11201512	1308719	AAK3580	14V 55A
440		B18K	MG 529	IA0523	11201523	3417313	AAK3583	14V 70A
440		B18K-KLIMA	MG 406	IA0568	11201568	3417315-3	AAK4515	14V 70A
B	10M	THD102-104KB-KF	MG 333	IA1096	11203232	9519360	AAT1330	28,5V 140A
B/FH	12-CH 5000/16-470,520	D12A340-420/D16A,B470,520	MG 500	IA1127	11203573	11170011	AAK5717	28V 60A
B	12-CH 5000	D12A340-420	MG 63	IA1150	11204154	1096757	AAN5313	28V 80A
NL	10 S	TD101G,TD102F,FH,FL,TD103ES	MG 442	IA9407	11209416	1089862	AAN3107	28V 80A
NL	12 320, 350, 360, 390, 400	TD 121 G; TD 122 F; FH; FL; FS	MG 444	IA9421	11209436	1089861	AAN3116	28V 55A
N	12 320, 330	TD 120 A; TD 120 E	MG 445	IA9422	11209437	1607362	AAN3117	28V 55A
VOLVO PENTA								
TMD50A			MG 499	IA0723	11203670	3803146-4	AAK1818	14V 70A
TAMD165A,C,P		6 cyl	MG 130	IA0746	11201939	820652	AAK3334	28V 55A
TAMD122,A,C,D,P		6 cyl	MG 78	IA1433	11204021	02557832-9	AAT3312	28V 150A
TAMD73P,WJ		6 cyl	MG 77	IA1438	11203998	872019-5	AAK3802	14V 70A
AD31,A,B,D,L,P,X		4 cyl	MG 58	IA1450	11204062	872019-5	AAK3830	14V 100A



AZD 21 / AZD 26

Motor de Partida AZD com Redutor e Imã Permanente



AZE 12 / AZE 15

Motor de Partida AZE com Acionamento Direto e Imã Permanente



AZE 21 / AZE 22 / AZE 25 / AZE 26

Motor de Partida AZE com Redutor e Imã Permanente



AZE 65 / AZE 66

Motor de Partida AZE com Redutor e Bobina de Campo
Veículos leves - Nova família



AZE 65 / AZE 66

Motor de Partida AZE com Redutor e Bobina de Campo
Veículos leves



AZE 41 / AZE 45 / AZE 46

Motor de Partida AZE com Redutor e Bobina de Campo
Veículos médios



AZF 45 / AZF 46

Motor de Partida AZF com Redutor e Bobina de Campo
Veículos médios e pesados



AZG

Motor de Partida AZG com Redutor e Bobina de Campo



AZJ

Motor de Partida AZJ com Acionamento Direto e Bobina de Campo



AZF 4545 12V 4,2kW z10

Autoelétrica

Motor de Partida

Diâmetro Estator

Versão (Design)

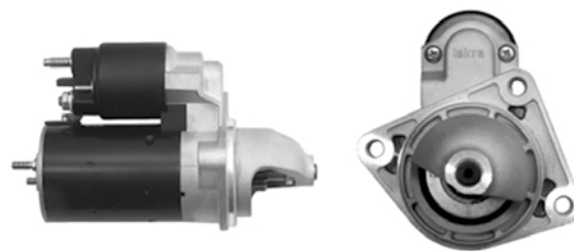
Subgrupo

Tensão

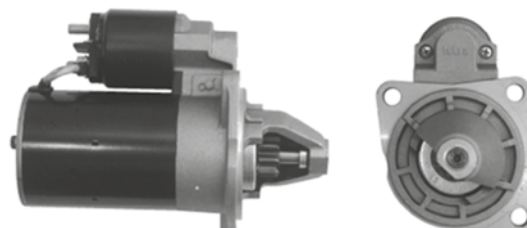
Potência

Número de dentes do pinhão

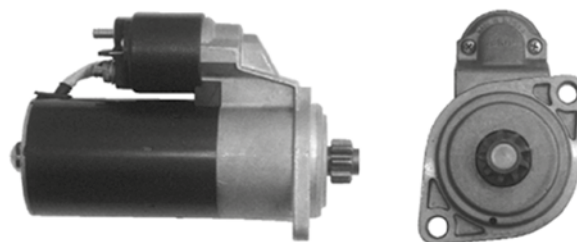
Família	
AZD 21	AZD 26
Nose	Noseless
Tensão / Potência especificada	
12V	
1,1 kW	1,4 kW



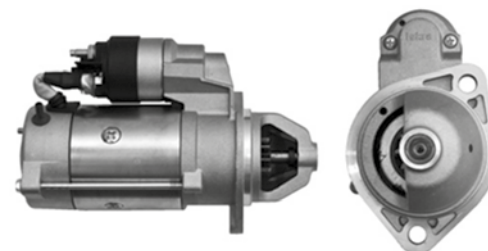
Família	
AZE 12	AZE 15
Nose	Noseless
Tensão / Potência especificada	
12V	24V
0,9 kW	1 kW
	1,6 kW



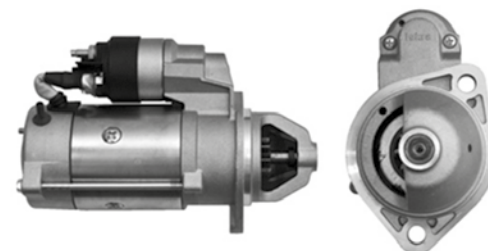
Família	
AZE 21/22/25	AZE 26
Nose	Noseless
Tensão / Potência especificada	
12V	24V
1,2 kW	1,4 kW
2,1 kW	2,5 kW



Família	
AZE 65	AZE 66
Nose	Noseless
Tensão / Potência especificada	
12V	24V
2,4 kW	2,8 kW



Família	
AZE 65	AZE 66
Nose	Noseless
Tensão / Potência especificada	
12V	24V
2,6 kW	3,0 kW



Família	
AZE 41/45	AZE 46
Nose	Noseless
Tensão / Potência especificada	
12V	24V
3,2 kW	3,5 kW



Família		
AZF 45	AZF 46	
Nose	Noseless	HD
Tensão / Potência especificada		
12V	24V	
4,2 kW	4,0 kW	5,5 kW (HD)



Família	
AZG	
Noseless	
Tensão / Potência especificada	
12V	24V
5,5 kW	6,5 kW



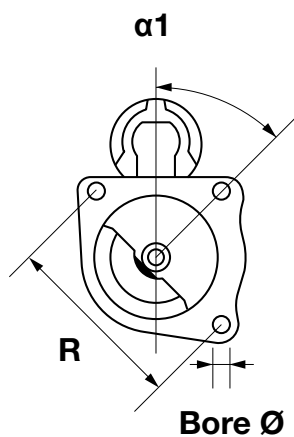
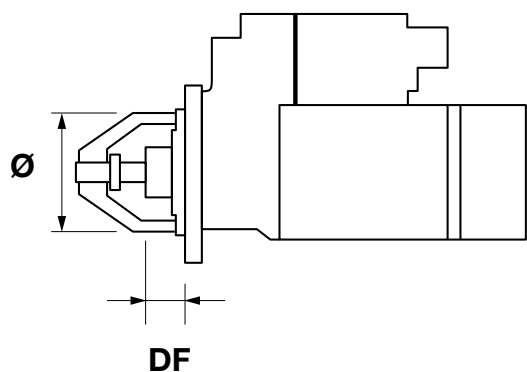
Família			
AZJ			
Nose			
Tensão / Potência especificada			
12V		24V	
2,7 kW	3 kW	3,2 kW	4 kW



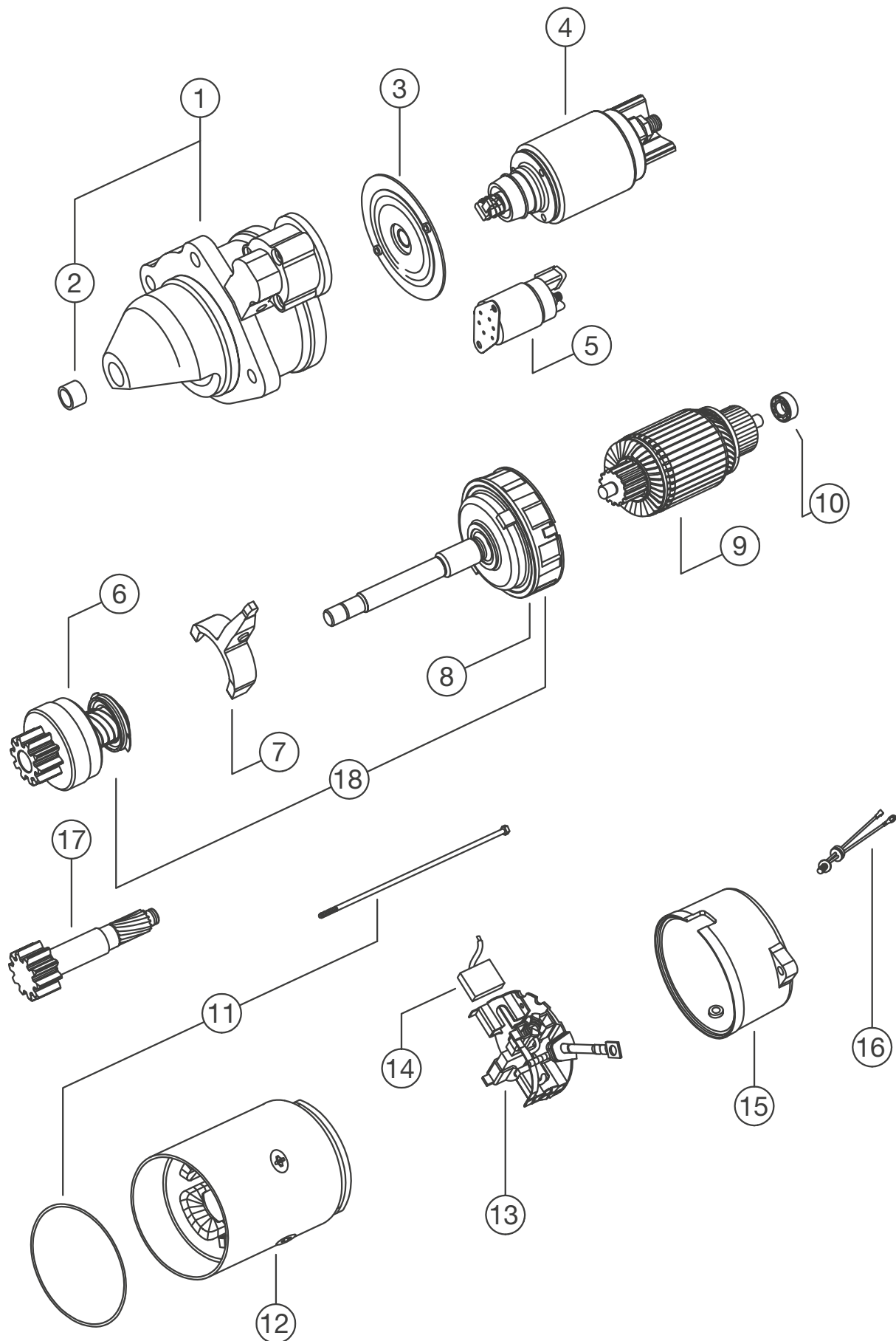


Legenda

1	2	3	4	5
Mancal de acionamento	Rolamento	Mancal intermediário	Solenóide	Relê auxiliar
6	7	8	9	10
Impulsor	Alavanca de acionamento	Engrenagem planetária	Induzido	Rolamento
11	12	13	14	15
Jogo de fixação	Estator	Porta-escovas	Jogo de escovas	Mancal traseira
16	17	18		
Protetor térmico	Pinhão	Engrenagem plan. com impulsor		



- V** Tensão
- kW** Potência
- Z** Quantidade de dentes do pinhão
- Nº Furos** Número de furos para montagem
- dK** Diâmetro externo do pinhão
- DF** Distância entre flange e cremalheira
- Ø** Diâmetro flange
- α1** Ângulo de furação a partir do centro
- H** Número de furos de fixação
- R** Distância entre furos de fixação
- Bore Ø** Diâmetro furos de fixação
- Fix.** Tipo de fixação



AZD 21 / AZD 26

Motor de Arranque AZD con Reductor y Imán Permanente



AZE 12 / AZE 15

Motor de Arranque AZE con Accionamiento Directo y Imán Permanente



AZE 21 / AZE 22 / AZE 25 / AZE 26

Motor de Arranque AZE con Reductor y Imán Permanente



AZE 65 / AZE 66

Motor de Arranque AZE con Reductor y Bobina de Campo
Vehículos livianos - Nueva familia



AZE 65 / AZE 66

Motor de Arranque AZE con Reductor y Bobina de Campo
Vehículos livianos



AZE 41 / AZE 45 / AZE 46

Motor de Arranque AZE con Reductor y Bobina de Campo
Vehículos medianos



AZF 45 / AZF 46

Motor de Arranque AZF con Reductor y Bobina de Campo
Vehículos medianos y pesados



AZG

Motor de Arranque AZG con Reductor y Bobina de Campo



AZJ

Motor de Arranque AZJ con Accionamiento Directo y Bobina de Campo



AZF 4545 12V 4,2kW z10

Autoeléctrica

Motor de Arranque

Diámetro del Estator

Versión (Diseño)

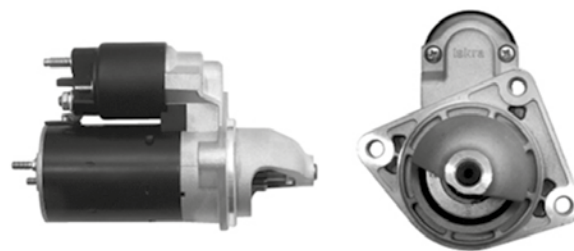
Subgrupo

Tensión

Potencia

Número de dientes piñón

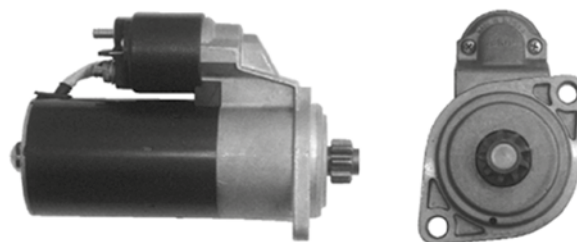
Familia	
AZD 21	AZD 26
Nose	Noseless
Tensión / Potencia Especificada	
12V	
1,1 kW	1,4 kW



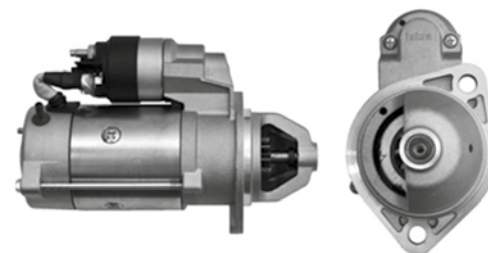
Familia	
AZE 12	AZE 15
Nose	Noseless
Tensión / Potencia Especificada	
12V	24V
0,9 kW	1 kW
	1,6 kW



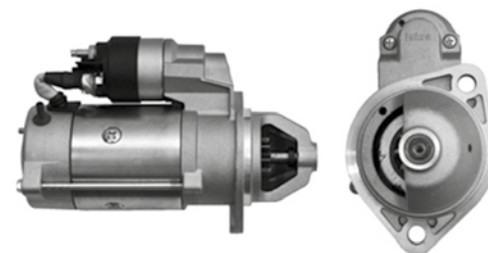
Familia	
AZE 21/22/25	AZE 26
Nose	Noseless
Tensión / Potencia Especificada	
12V	24V
1,2 kW	1,4 kW
2,1 kW	2,5 kW



Familia	
AZE 65	AZE 66
Nose	Noseless
Tensión / Potencia Especificada	
12V	24V
2,4 kW	2,8 kW



Familia	
AZE 65	AZE 66
Nose	Noseless
Tensión / Potencia Especificada	
12V	24V
2,6 kW	3,0 kW



Familia	
AZE 41/45	AZE 46
Nose	Noseless
Tensión / Potencia Especificada	
12V	24V
3,2 kW	3,5 kW



Familia		
AZF 45	AZF 46	
Nose	Noseless	HD
Tensión / Potencia Especificada		
12V	24V	
4,2 kW	4,0 kW	5,5 kW (HD)



Familia	
AZG	
Noseless	
Tensión / Potencia Especificada	
12V	24V
5,5 kW	6,5 kW

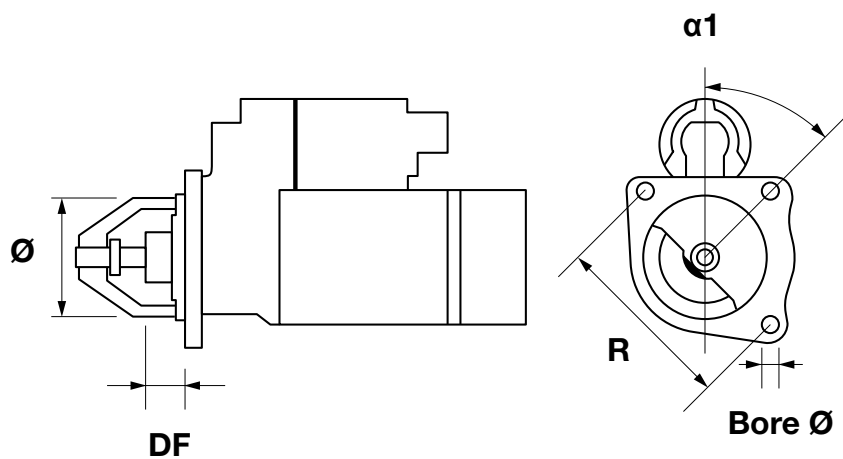


Familia			
AZJ			
Nose			
Tensión / Potencia Especificada			
12V		24V	
2,7 kW	3 kW	3,2 kW	4 kW

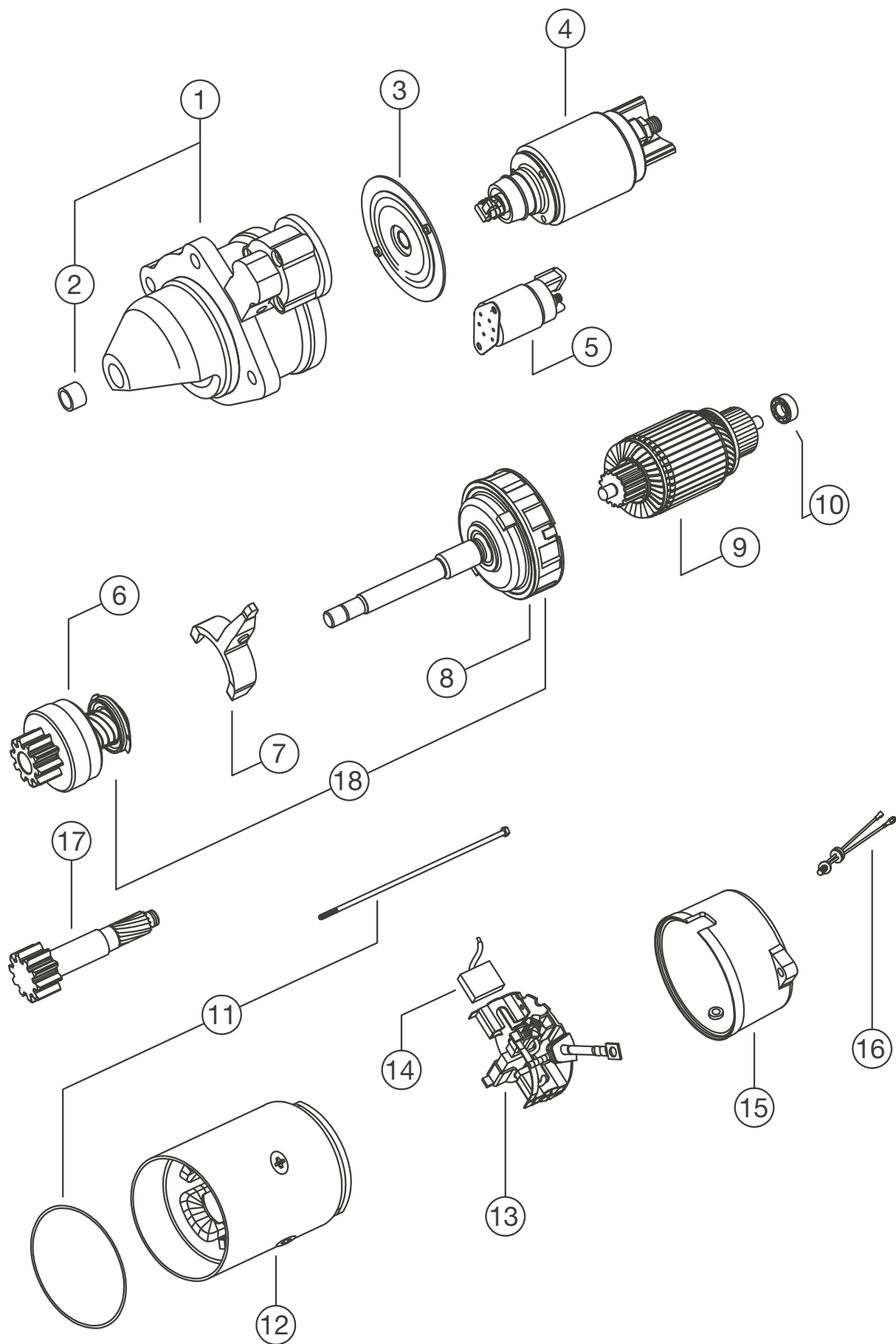


Leyenda

1	2	3	4	5
Tapa accionamiento	Rodamiento	Tapa intermedia	Solenoide	Relé auxiliar
6	7	8	9	10
Impulsor	Palanca de accionamiento	Engranaje planetario	Inducido	Rodamiento
11	12	13	14	15
Juego de fijacion	Estator	Porta escobillas	Juego de escobillas	Tapa trasera
16	17	18		
Protector térmico	Piñon	Engranaje plan. con impulsor		



- V** Tensión / Voltaje
- kW** Potencia
- Z** Cantidad de dientes del piñón
- Nº agujeros** Número de agujeros para montaje
- dK** Diámetro externo del piñón
- DF** Distancia entre carcasa y cremallera
- Ø** Diámetro de carcasa
- α1** Ángulo del agujero a partir del centro
- H** Números de agujeros de fijación
- R** Distancia entre agujeros de fijación
- Bore Ø** Diámetro agujeros de fijación
- Fij.** Tipo de fijación



CÓDIGO MAHLE	REF. MAHLE LETRIKA	P/N	FAMÍLIA / FAMILIA
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ABG

MS 232	IS0842	11.130.842	AZF4515 24V 4,0kW
MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW

AGCO

MS 243	IS1046	11.131.162	AZJ3389 12V 3,0kW
MS 399	IS1201	11.131.781	AZE4173 12V 3,2kW
MS 596	IS1144	11.131.491	AZF4643 12V 4,2kW

AGRALE

MS 134	IS1365	11.131.519	AZE2195 12V 1,2kW
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AGRALE S.A. MAQUINARIO AGRICOLA

MS 133	IS1363	11.131.517	AZE2193 12V 1,2kW
MS 349	IS0824	11.130.824	AZJ3287 12V 3,0kW
MS 561	IS1173	11.131.518	AZE2194 12V 1,2kW

AGRIFULL

MS 391	IS0503	11.130.503	AZJ3140 12V 2,7kW
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AGRITECH

MS 4	IS1098	11.131.984	AZE4214 12V 3,2kW
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ATLAS

MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
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ATLAS COPCO

MS 28	IS1217	11.131.949	AZE6555 12V 2,6kW
MS 66	IS1255	11.131.770	AZF4198 24V 4,0kW
MS 67	IS1237	11.131.862	AZF4229 12V 4,0kW
MS 211	IS1397	11.132.196	AZE4256 12V 2,6kW
MS 232	IS0842	11.130.842	AZF4515 24V 4,0kW
MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
MS 293	IS1027	11.131.789	AZE4655 12V 3,2kW
MS 446	IS0841	11.130.841	AZF4514 12V 3kW

AUDI

MS 188	IS0404	11.130.404	AZE1508 12V 0,9kW
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AVELING BARFORD

MS 291	IS1158	11.131.573	AZF4146 12V 4,2kW
MS 346	IS0579	11.130.579	AZJ3182 12V 2,8kW

BARBER GREENE

MS 291	IS1158	11.131.573	AZF4146 12V 4,2kW
MS 346	IS0579	11.130.579	AZJ3182 12V 2,8kW

BELL

MS 94	IS1063	11.131.375	AZF4597 12V 4,2kW
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BOBCAT

MS 89	IS0793	11.131.374	AZF4596 12V 3,4kW
MS 94	IS1063	11.131.375	AZF4597 12V 4,2kW
MS 293	IS1027	11.131.789	AZE4655 12V 3,2kW
MS 399	IS1201	11.131.781	AZE4173 12V 3,2kW
MS 446	IS0841	11.130.841	AZF4514 12V 3kW

BOMAG

MS 27	IS1073	11.131.948	AZE6554 12V 2,6kW
MS 28	IS1217	11.131.949	AZE6555 12V 2,6kW
MS 67	IS1237	11.131.862	AZF4229 12V 4,0kW
MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
MS 437	IS1151	11.131.530	AZE1241 12V 1,0kW
MS 446	IS0841	11.130.841	AZF4514 12V 3kW

BOSCH

MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
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CÓDIGO MAHLE	REF. MAHLE LETRIKA	P/N	FAMÍLIA / FAMILIA
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BUHRER

MS 291	IS1158	11.131.573	AZF4146 12V 4,2kW
MS 346	IS0579	11.130.579	AZJ3182 12V 2,8kW
MS 357	IS0627	11.130.627	AZJ3201 12V 3,1kW

CASE

MS 24	IS1189	11.131.921	AZE4194 12V 3,2kW
MS 64	IS1114	11.131.830	AZF4687 12V 4,2kW
MS 67	IS1237	11.131.862	AZF4229 12V 4,0kW
MS 91	IS0897	11.131.249	AZJ3405 12V 3,0kW
MS 101	IS1077	11.131.839	AZF4691 12V 4,2kW
MS 117	IS1089	11.131.300	AZF4577 12V 4,2kW
MS 138	IS0999	11.131.464	AZF4122 12V 4,2kW
MS 175	IS0836	11.132.356	AZF4369 12V 4,2kW
MS 239	IS1341	11.132.094	AZF4295 24V 4,0kW
MS 246	IS1120	11.131.370	AZF4595 12V 4,2kW
MS 271	IS0695	11.130.695	AZJ3236 12V 3,1kW
MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
MS 291	IS1158	11.131.573	AZF4146 12V 4,2kW
MS 346	IS0579	11.130.579	AZJ3182 12V 2,8kW
MS 349	IS0824	11.130.824	AZJ3287 12V 3,0kW
MS 357	IS0627	11.130.627	AZJ3201 12V 3,1kW
MS 486	IS1056	11.131.382	AZF4598 12V 4,2kW
MS 592	IS1303	11.131.728	AZE4166 12V 3,2kW

CBT

MS 349	IS0824	11.130.824	AZJ3287 12V 3,0kW
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CESAB

MS 391	IS0503	11.130.503	AZJ3140 12V 2,7kW
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CITROËN

MS 454	IS1269	11.131.476	AZE6513 12V 2,6kW
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CLAAS

MS 24	IS1189	11.131.921	AZE4194 12V 3,2kW
MS 65	IS1254	11.131.769	AZF4197 12V 4,0kW
MS 111	IS1071	11.131.228	AZF4569 12V 3,0kW
MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW

CLARK

MS 89	IS0793	11.131.374	AZF4596 12V 3,4kW
MS 94	IS1063	11.131.375	AZF4597 12V 4,2kW
MS 293	IS1027	11.131.789	AZE4655 12V 3,2kW

CNHTC

MS 26	IS1325	11.132.090	AZF4828 24V 7,5kW
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COMPAC

MS 89	IS0793	11.131.374	AZF4596 12V 3,4kW
MS 293	IS1027	11.131.789	AZE4655 12V 3,2kW

COMPAIR

MS 291	IS1158	11.131.573	AZF4146 12V 4,2kW
MS 346	IS0579	11.130.579	AZJ3182 12V 2,8kW

CONSOLIDATED DIESEL

MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
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CRYSTAL TRACTOR

MS 175	IS0836	11.132.356	AZF4369 12V 4,2kW
MS 592	IS1303	11.131.728	AZE4166 12V 3,2kW

CUMMINS

MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
MS 165	IS1117	11.132.302	AZF4593 24V 4,0kW

CÓDIGO MAHLE	REF. MAHLE LETRIKA	P/N	FAMÍLIA / FAMILIA
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MS 402	IS1118	11.131.356	AZF4592 12V 4,2kW
MS 486	IS1056	11.131.382	AZF4598 12V 4,2kW

DAEWOO

MS 117	IS1089	11.131.300	AZF4577 12V 4,2kW
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DAVID BROWN (CASE)

MS 291	IS1158	11.131.573	AZF4146 12V 4,2kW
MS 346	IS0579	11.130.579	AZJ3182 12V 2,8kW

DENNIS

MS 291	IS1158	11.131.573	AZF4146 12V 4,2kW
MS 346	IS0579	11.130.579	AZJ3182 12V 2,8kW

DEUTZ

MS 68	IS1236	11.131.863	AZF4230 24V 4kW
MS 446	IS0841	11.130.841	AZF4514 12V 3kW

DEUTZ AG (KHD)

MS 27	IS1073	11.131.948	AZE6554 12V 2,6kW
MS 63	IS1211	11.131.871	AZF4698 24V 5,5kW
MS 65	IS1254	11.131.769	AZF4197 12V 4,0kW
MS 66	IS1255	11.131.770	AZF4198 24V 4,0kW
MS 232	IS0842	11.130.842	AZF4515 24V 4,0kW
MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW

DEUTZ-FAHR

MS 50	IS0971	11.130.971	AZJ3346 12V 3,6kW
MS 65	IS1254	11.131.769	AZF4197 12V 4,0kW
MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW

DOW WARNER

MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
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DRESSER

MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
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DYNAPAC

MS 28	IS1217	11.131.949	AZE6555 12V 2,6kW
MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
MS 211	IS1397	11.132.196	AZE4256 12V 2,6kW

EBRO

MS 49	IS0631	11.130.631	AZJ3205 12V 2,7kW
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EICHER

MS 243	IS1046	11.131.162	AZJ3389 12V 3,0kW
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ERKUNT TRACTOR

MS 399	IS1201	11.131.781	AZE4173 12V 3,2kW
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FAHR

MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
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FARMTRAC

MS 151	IS1023	11.131.077	AZF4545 12V 4,2kW
MS 399	IS1201	11.131.781	AZE4173 12V 3,2kW

FARYMANN (FARNY&WEIDMANN)

MS 192	IS0409	11.130.409	AZJ3115 12V 3,0kW
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FENDT

MS 65	IS1254	11.131.769	AZF4197 12V 4,0kW
MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW

FERRARI

MS 391	IS0503	11.130.503	AZJ3140 12V 2,7kW
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MOTORES DE PARTIDA | CLASSIFICAÇÃO POR MONTADORA

MOTORES DE ARRANQUE | CLASIFICACIÓN POR FABRICANTE

CÓDIGO MAHLE	REF. MAHLE LETRIKA	P/N	FAMÍLIA / FAMILIA
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MS 64	IS1114	11.131.830	AZF4687 12V 4,2kW
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FIAT-ALLIS

MS 349	IS0824	11.130.824	AZJ3287 12V 3,0kW
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FORD

MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
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MS 275	IS0750	11.130.750	AZJ3268 12V 3kW
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MS 346	IS0579	11.130.579	AZJ3182 12V 2,8kW
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FORD NEW HOLLAND

MS 25	IS1016	11.131.705	AZF4183 12V 3,0kW
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MS 79	IS1262	11.131.604	AZF4155 12V 4,2kW
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MS 291	IS1158	11.131.573	AZF4146 12V 4,2kW
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MS 346	IS0579	11.130.579	AZJ3182 12V 2,8kW
---------------	--------	------------	-------------------

MS 357	IS0627	11.130.627	AZJ3201 12V 3,1kW
---------------	--------	------------	-------------------

FREIGHTLINER

MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
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FUCHS

MS 232	IS0842	11.130.842	AZF4515 24V 4,0kW
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GOLDONI

MS 192	IS0409	11.130.409	AZJ3115 12V 3,0kW
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HAMM

MS 27	IS1073	11.131.948	AZE6554 12V 2,6kW
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MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
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HANOMAG HENSCHEL

MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
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HARLO

MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
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HATTAT

MS 399	IS1201	11.131.781	AZE4173 12V 3,2kW
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HAULOTTE GROUP

MS 27	IS1073	11.131.948	AZE6554 12V 2,6kW
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MS 65	IS1254	11.131.769	AZF4197 12V 4,0kW
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HITTNER

MS 65	IS1254	11.131.769	AZF4197 12V 4,0kW
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MS 66	IS1255	11.131.770	AZF4198 24V 4,0kW
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HUERLIMANN

MS 65	IS1254	11.131.769	AZF4197 12V 4,0kW
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IH

MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
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MS 486	IS1056	11.131.382	AZF4598 12V 4,2kW
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INGERSOLL-RAND

MS 89	IS0793	11.131.374	AZF4596 12V 3,4kW
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MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
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MS 291	IS1158	11.131.573	AZF4146 12V 4,2kW
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MS 346	IS0579	11.130.579	AZJ3182 12V 2,8kW
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IRMER U. ELZE

MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
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IVECO

MS 100	IS1264	11.131.846	AZF4237 24V 4kW
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MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
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JCB

MS 5	IS1106	11.131.995	AZF4267 24V 4,0kW
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MS 27	IS1073	11.131.948	AZE6554 12V 2,6kW
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MS 28	IS1217	11.131.949	AZE6555 12V 2,6kW
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CÓDIGO MAHLE	REF. MAHLE LETRIKA	P/N	FAMÍLIA / FAMILIA
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MS 67	IS1237	11.131.862	AZF4229 12V 4,0kW
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MS 84	IS1105	11.131.848	AZF4224 12V 4,2kW
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MS 86	IS1101	11.131.267	AZE2155 12V 2,0kW
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MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
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MS 175	IS0836	11.132.356	AZF4369 12V 4,2kW
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MS 291	IS1158	11.131.573	AZF4146 12V 4,2kW
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MS 346	IS0579	11.130.579	AZJ3182 12V 2,8kW
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MS 446	IS0841	11.130.841	AZF4514 12V 3kW
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JOHN DEERE

MS 89	IS0793	11.131.374	AZF4596 12V 3,4kW
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MS 94	IS1063	11.131.375	AZF4597 12V 4,2kW
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MS 165	IS1117	11.132.302	AZF4593 24V 4,0kW
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MS 246	IS1120	11.131.370	AZF4595 12V 4,2kW
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MS 293	IS1027	11.131.789	AZE4655 12V 3,2kW
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MS 402	IS1118	11.131.356	AZF4592 12V 4,2kW
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MS 430	IS1059	11.131.833	AZE4185 12V 3,2kW
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MS 486	IS1056	11.131.382	AZF4598 12V 4,2kW
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JUNGHEINRICH

MS 86	IS1101	11.131.267	AZE2155 12V 2,0kW
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JW

MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
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KENWORTH

MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
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KRAMER

MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
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LAMBORGHINI (SAME DEUTZ-FAHR GROUP)

MS 65	IS1254	11.131.769	AZF4197 12V 4,0kW
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LANDINI

MS 4	IS1098	11.131.984	AZE4214 12V 3,2kW
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MS 91	IS0897	11.131.249	AZJ3405 12V 3,0kW
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MS 138	IS0999	11.131.464	AZF4122 12V 4,2kW
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MS 299	IS1233	11.131.731	AZE4167 12V 3,2kW
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LIEBHERR

MS 211	IS1397	11.132.196	AZE4256 12V 2,6kW
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MS 446	IS0841	11.130.841	AZF4514 12V 3kW
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LINDE

MS 65	IS1254	11.131.769	AZF4197 12V 4,0kW
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MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
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LOADLIFTER

MS 486	IS1056	11.131.382	AZF4598 12V 4,2kW
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LOVOL

MS 111	IS1071	11.131.228	AZF4569 12V 3,0kW
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MANITOU

MS 65	IS1254	11.131.769	AZF4197 12V 4,0kW
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MS 289	IS1195	11.131.780	AZE4172 12V 3,2kW
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MASSEY-FERGUSON

MS 3	IS1185	11.132.050	AZE4221 12V 3,2kW
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MS 4	IS1098	11.131.984	AZE4214 12V 3,2kW
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MS 49	IS0631	11.130.631	AZJ3205 12V 2,7kW
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MS 50	IS0971	11.130.971	AZJ3346 12V 3,6kW
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MS 91	IS0897	11.131.249	AZJ3405 12V 3,0kW
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MS 94	IS1063	11.131.375	AZF4597 12V 4,2kW
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MS 111	IS1071	11.131.228	AZF4569 12V 3,0kW
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MS 151	IS1023	11.131.077	AZF4545 12V 4,2kW
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MS 175	IS0836	11.132.356	AZF4369 12V 4,2kW
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CÓDIGO MAHLE	REF. MAHLE LETRIKA	P/N	FAMÍLIA / FAMILIA
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MS 225	IS1019	11.132.149	AZF4315 12V 4,2kW
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MS 243	IS1046	11.131.162	AZJ3389 12V 3,0kW
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MS 289	IS1195	11.131.780	AZE4172 12V 3,2kW
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MS 399	IS1201	11.131.781	AZE4173 12V 3,2kW
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MS 592	IS1303	11.131.728	AZE4166 12V 3,2kW
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MATBRO

MS 291	IS1158	11.131.573	AZF4146 12V 4,2kW
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MS 346	IS0579	11.130.579	AZJ3182 12V 2,8kW
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MCCORMICK

MS 4	IS1098	11.131.984	AZE4214 12V 3,2kW
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MS 138	IS0999	11.131.464	AZF4122 12V 4,2kW
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MS 151	IS1023	11.131.077	AZF4545 12V 4,2kW
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MS 175	IS0836	11.132.356	AZF4369 12V 4,2kW
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MS 299	IS1233	11.131.731	AZE4167 12V 3,2kW
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MENGELE

MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
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






























































MOTORES DE PARTIDA | CLASSIFICAÇÃO POR MONTADORA

MOTORES DE ARRANQUE | CLASIFICACIÓN POR FABRICANTE























































MAHLE

CÓDIGO MAHLE	REF. MAHLE LETRIKA	P/N	FAMÍLIA / FAMILIA
MS 151	IS1023	11.131.077	AZF4545 12V 4,2kW
MS 289	IS1195	11.131.780	AZE4172 12V 3,2kW
MS 299	IS1233	11.131.731	AZE4167 12V 3,2kW
MS 399	IS1201	11.131.781	AZE4173 12V 3,2kW
PIONEIRA			
MS 175	IS0836	11.132.356	AZF4369 12V 4,2kW
POCLAIN			
MS 232	IS0842	11.130.842	AZF4515 24V 4,0kW
PRAIRE			
MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
MS 486	IS1056	11.131.382	AZF4598 12V 4,2kW
PSI			
MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
PUMA			
MS 349	IS0824	11.130.824	AZJ3287 12V 3,0kW
RELIANCE MERCURY			
MS 291	IS1158	11.131.573	AZF4146 12V 4,2kW
MS 346	IS0579	11.130.579	AZJ3182 12V 2,8kW
RENAULT AGRICULTURE			
MS 89	IS0793	11.131.374	AZF4596 12V 3,4kW
SAME DEUTZ- FAHR GROUP			
MS 65	IS1254	11.131.769	AZF4197 12V 4,0kW
SAMPO ROSENLEW			
MS 91	IS0897	11.131.249	AZJ3405 12V 3,0kW
MS 175	IS0836	11.132.356	AZF4369 12V 4,2kW
SANDERSON			
MS 291	IS1158	11.131.573	AZF4146 12V 4,2kW
MS 346	IS0579	11.130.579	AZJ3182 12V 2,8kW
SANDVIK			
MS 66	IS1255	11.131.770	AZF4198 24V 4,0kW
SCANIA			
MS 265	IS0743	11.130.743	AZJ3263 24V 4,0kW
MS 460	IS9034	11.139.040	AZK5199 24V 6,6kW
MS 472	IS9022	11.139.022	AZK5181 24V 6,6kW
SCHAEF			
MS 232	IS0842	11.130.842	AZF4515 24V 4,0kW
MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
SENNEBOGEN			
MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
SISU DIESEL			
MS 175	IS0836	11.132.356	AZF4369 12V 4,2kW
MS 214	IS1344	11.132.189	AZF4327 24V 4,0kW
SLC (JOHN DEERE)			
MS 349	IS0824	11.130.824	AZJ3287 12V 3,0kW
SPRA-COUBE			
MS 289	IS1195	11.131.780	AZE4172 12V 3,2kW
STEYR (STEYR-DAIMLER-PUCH AG)			
MS 24	IS1189	11.131.921	AZE4194 12V 3,2kW
MS 265	IS0743	11.130.743	AZJ3263 24V 4,0kW
STEYR MARINE			
MS 404	IS1125	11.131.406	AZE2177 12V 2,0kW

CÓDIGO MAHLE	REF. MAHLE LETRIKA	P/N	FAMÍLIA / FAMILIA
STONE			
MS 27	IS1073	11.131.948	AZE6554 12V 2,6kW
MS 192	IS0409	11.130.409	AZJ3115 12V 3,0kW
SULLAIR			
MS 293	IS1027	11.131.789	AZE4655 12V 3,2kW
TIMBERJACK			
MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
URSUS			
MS 91	IS0897	11.131.249	AZJ3405 12V 3,0kW
UTB (ROM)			
MS 192	IS0409	11.130.409	AZJ3115 12V 3,0kW
VALTRA (VALMET)			
MS 91	IS0897	11.131.249	AZJ3405 12V 3,0kW
MS 175	IS0836	11.132.356	AZF4369 12V 4,2kW
MS 214	IS1344	11.132.189	AZF4327 24V 4,0kW
MS 349	IS0824	11.130.824	AZJ3287 12V 3,0kW
MS 417	IS1165	11.132.051	AZE4222 12V 3,2kW
MS 592	IS1303	11.131.728	AZE4166 12V 3,2kW
VERMEER			
MS 486	IS1056	11.131.382	AZF4598 12V 4,2kW
VM MOTORI			
MS 391	IS0503	11.130.503	AZJ3140 12V 2,7kW
VOLVO			
MS 27	IS1073	11.131.948	AZE6554 12V 2,6kW
VOLVO (BM)			
MS 27	IS1073	11.131.948	AZE6554 12V 2,6kW
MS 265	IS0743	11.130.743	AZJ3263 24V 4,0kW
VW			
MS 188	IS0404	11.130.404	AZE1508 12V 0,9kW
VW (VOLKSWAGEN) (BR)			
MS 349	IS0824	11.130.824	AZJ3287 12V 3,0kW
WEATHERHILL			
MS 291	IS1158	11.131.573	AZF4146 12V 4,2kW
MS 346	IS0579	11.130.579	AZJ3182 12V 2,8kW
WESERHUETTE			
MS 277	IS0551	11.130.551	AZJ3169 12V 2,7kW
WHITE			
MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
WILLMAR			
MS 148	IS1090	11.132.180	AZE4253 12V 3,2kW
MS 293	IS1027	11.131.789	AZE4655 12V 3,2kW
ZETOR			
MS 91	IS0897	11.131.249	AZJ3405 12V 3,0kW
MS 175	IS0836	11.132.356	AZF4369 12V 4,2kW
MS 592	IS1303	11.131.728	AZE4166 12V 3,2kW

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 3 (IS1185)	12,0	3,2	10	3	39,6	32,5	89,0	L40°	3x127x10,9	H3
11.132.050	MASSEY-FERGUSON									
										
										
AZE4221 12V 3,2kW	MSX 120 16.283.681	MSX 684 15.120.243	- -	MSX 1077 16.915.341	- -	MSX 1126 * 16.912.852 *	MSX 192 16.908.335	MSX 1282 16.911.623	MSX 1366 16.907.753	
										
	MSX 547 16.908.750	MSX 942 16.907.910	MSX 1315 16.282.543	MX 5 16.908.752	MSX 322 16.908.753	MSX 917 16.285.005	- -	- -	- -	- -
MS 4 (IS1098)	12,0	3,2	10	3	39,6	32,5	89,0	L40°	3x127x10,9	H3
11.131.984	AGRITECH, LANDINI, MASSEY-FERGUSON, MCCORMICK, PERKINS									
										
										
AZE4214 12V 3,2kW	MSX 441 16.283.480	MSX 684 15.120.243	- -	MSX 122 * 16.908.999 *	- -	MSX 233 16.902.507	MSX 192 16.908.335	MSX 1282 16.911.623	MSX 1366 16.907.753	
										
	MSX 547 16.908.750	MSX 230 16.907.933	MSX 1315 16.282.543	MX 5 16.908.752	MSX 322 16.908.753	MSX 917 16.285.005	- -	- -	- -	- -
MS 5 (IS1106)	24,0	4,0	11	3	41,0	24,0	89,0	R119°	3x127x10,9	H3
11.131.995	JCB									
										
										
AZF4267 24V 4,0kW	MSX 432 * 16.283.424 *	MSX 684 15.120.243	- -	MSX 1110 * 16.915.611 *	- -	MSX 1117 * 16.912.924 *	MSX 192 16.908.335	MSX 1444 * 16.912.944 *	MSX 1247 * 16.908.993 *	
										
	MSX 305 16.908.340	MSX 787 16.908.341	MSX 1337 * 16.282.439 *	MSX 1262 16.908.994	MSX 1249 * 16.908.995 *	MSX 1447 * 16.283.937 *	- -	- -	- -	- -

* Item sob consulta / A consultar

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.	
MS 24 (IS1189)	12,0	3,2	10	3	39,6	30,0	89,0	R45°	3x127x10,9	H3	
11.131.921	CASE, CLAAS, FIAT, NEW HOLLAND, STEYR (STEYR-DAIMLER-PUCH AG)										
	 										
AZE4194 12V 3,2kW	 MSX 555 16.283.625	 MSX 684 15.120.243	 - -	 MSX 520 16.915.513	 - -	 MSX 52 16.902.560	 MSX 192 16.908.335	 MSX 1282 16.911.623	 MSX 1366 16.907.753		
	 MSX 305 16.908.340	 MSX 288 16.908.985	 MSX 1315 16.282.543	 MX 5 16.908.752	 MSX 322 16.908.753	 MSX 940 16.285.147	 - -	 - -	 - -		
MS 25 (IS1016)	12,0	3,0	10	3	39,6	24,0	92,0	R52°	3x146x10,9	H3	
11.131.705	FIAT, FORD NEW HOLLAND, NEW HOLLAND, NEW HOLLAND (SPERRY NEW HOLL.)										
	 										
AZF4183 12V 3,0kW	 MSX 13 16.283.337	 MSX 684 15.120.243	 - -	 MSX 100 16.915.042	 - -	 MSX 483 16.902.379	 MSX 192 16.908.335	 MSX 609 16.904.832	 MSX 786 16.908.339		
	 MSX 305 16.908.340	 MSX 236 16.908.542	 MSX 497 16.282.089	 MSX 1225 16.908.336	 MSX 79 16.908.337	 MSX 103 16.283.631	 - -	 - -	 - -		
MS 26 (IS1325)	24,0	7,5	10	3	43,0	51,0	89,0	R135°	3x127x10,9	H3	
11.132.090	CNHTC										
	 										
AZF4828 24V 7,5kW	Indisponível	Indisponível	Indisponível	Indisponível	Indisponível	Indisponível	Indisponível	Indisponível	Indisponível	Indisponível	
	 Indisponível	 Indisponível	 Indisponível	 Indisponível	 Indisponível	 Indisponível	 -	 -	 -		

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 27 (IS1073) 11.131.948	12,0	2,6	9	2	34,8	25,5	82,5	R35°	2x105x10,9	H2
	BOMAG, DEUTZ AG (KHD), HAMM, HAULOTTE GROUP, JCB, STONE, VOLVO, VOLVO (BM)									
	1	2	3	4	5	6	7	8	9	
AZE6554 12V 2,6kW	MSX 1430 * 16.285.116 *	MSX 669 15.120.182	- -	MSX 1422 16.907.894	- -	MSX 934 16.911.538	MSX 558 * 15.421.663 *	MSX 1215 * 16.916.381 *	MSX 925 16.907.895	
	10	11	12	13	14	15	16	17	18	
	MSX 547 16.908.750	MSX 1033 16.915.371	MSX 1435 16.282.616	MX 5 16.908.752	MSX 322 16.908.753	MSX 936 16.285.117	- -	- -	- -	
MS 28 (IS1217) 11.131.949	12,0	2,6	9	2	34,8	25,5	82,5	R35°	2x105x10,9	H2
	ATLAS COPCO, JLG, BOMAG, DYNAPAC									
	1	2	3	4	5	6	7	8	9	
AZE6555 12V 2,6kW	MSX 637 * 16.285.336 *	MSX 967 * 16.915.101 *	- -	MSX 1422 16.907.894	- -	MSX 242 * 16.911.597 *	MSX 558 * 15.421.663 *	MSX 1215 * 16.916.381 *	MSX 925 16.907.895	
	10	11	12	13	14	15	16	17	18	
	MSX 547 16.908.750	MSX 926 * 16.907.896 *	MSX 1435 16.282.616	MX 5 16.908.752	MSX 322 16.908.753	MSX 936 16.285.117	- -	- -	- -	
MS 49 (IS0631) 11.130.631	12,0	2,7	10	3	39,6	31,0	89,0	L52°	3x127x10,9	H3
	EBRO, MASSEY-FERGUSON									
	1	2	3	4	5	6	7	8	9	
AZJ3205 12V 2,7kW	MSX 384 * 16.281.517 *	MSX 643 15.120.161	MSX 379 16.281.299	MSX 705 * 16.905.757 *	- -	MSX 734 16.901.694	MSX 370 16.905.853	- -	MSX 1224 * 16.361.481 *	
	10	11	12	13	14	15	16	17	18	
	MSX 697 15.120.155	MSX 371 16.906.142	MSX 177 16.906.171	MSX 255 16.905.972	MSX 175 16.905.973	MSX 73 * 16.906.650 *	- -	- -	- -	











* Item sob consulta / A consultar









	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 50 (IS0971)	12,0	3,6	9	2	34,8	24,0	82,5	R40°	2x105x12,5	H2

11.130.971

DEUTZ-FAHR, MASSEY-FERGUSON



									
	MSX 758 *	MSX 643	MSX 379	MSX 179	-	MSX 280	MSX 373 *	-	MSX 116
AZJ3346 12V 3,6kW	16.2815.94 *	15.120.161	16.281.299	16.906.808	-	16.900.254	16.906.145 *	-	16.361.525

								
MSX 697	MSX 1241	MSX 780	MSX 180	MSX 908 *	MSX 1220 *	MSX 773 *	-	-
15.120.155	16.906.267	16.906.264	16.906.810	16.907.813 *	16.906.811 *	16.904.423 *	-	-











MS 63
(IS1211)










	24,0	5,5	12	3	45,0	51,0	89,0	L120°	3x127x10,9	H3
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11.131.871

DEUTZ AG (KHD)



									
	MSX 1391 *	-	MSX 1668 *	MSX 1390 *	MSX 1036 *	MSX 746 *	MSX 1392 *	MSX 545 *	MSX 703 *
AZF4698 24V 5,5kW	16.9150.64 *	-	16.915.065 *	16.915.066 *	16.915.257 *	16.902.781 *	16.915.068 *	16.907.920 *	16.907.431 *

								
MSX 305	MSX 544 *	MSX 932 *	MSX 1427 *	MSX 1249 *	MSX 1601 *	-	-	MSX 992 *
16.908.340	16.915.032 *	16.907.874 *	16.907.875 *	16.908.995 *	16.285.338 *	-	-	16.915.216 *










MS 64
(IS1114)










	12,0	4,2	10	3	39,6	51,0	92,0	R48°	3x146x13,5	H3
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11.131.830

CASE, FIAT, NEW HOLLAND











































									
	MSX 1078 *	MSX 481	-	MSX 1025	-	MSX 164	MSX 192	MSX 119	MSX 786
AZF4687 12V 4,2kW	16.285.511 *	16.907.383	-	16.915.400	-	16.902.036	16.908.335	16.907.091	16.908.339





















								
MSX 305	MSX 263	MSX 497	MSX 1225	MSX 79	MSX 1079 *	-	-	MSX 1205
16.908.340	16.907.092	16.282.089	16.908.336	16.908.337	16.285.512 *	-	-	16.902.035

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 65 (IS1254)	12,0	4,0	9	3	34,8	31,0	89,0	L52°	3x127x10,9	H3
11.131.769	CLAAS, DEUTZ AG (KHD), DEUTZ-FAHR, FENDT, HAULOTTE GROUP, HITTNER, HUERLIMANN, LAMBORGHINI(SAME DEUTZ-FAHR GROUP), LINDE, MANITOU, MINSK TRACTORS (BELARUS), SAME DEUTZ- FAHR GROUP									
										
	1	2	3	4	5	6	7	8	9	
AZF4197 12V 4,0kW	MSX 596 16.283.461	MSX 684 15.120.243	-	MSX 1411 * 16.915.125 *	-	-	MSX 192 16.908.335	-	MSX 1412 * 16.915.127 *	
	10	11	12	13	14	15	16	17	18	
	MSX 305 16.908.340	MSX 981 * 16.915.128 *	MSX 1172 * 16.282.934 *	MSX 1097 16.915.869	MSX 1091 * 16.915.870 *	MSX 854 * 16.285.388 *	-	-	MSX 580 * 16.911.908 *	
MS 66 (IS1255)	24,0	4,0	9	3	34,8	31,0	89,0	L52°	3x127x10,9	H3
11.131.770	ATLAS COPCO, DEUTZ AG (KHD), HITTNER, NORMET, SANDVIK									
										
	1	2	3	4	5	6	7	8	9	
AZF4198 24V 4,0kW	MSX 596 16.283.461	MSX 684 15.120.243	-	MSX 1413 * 16.915.142 *	-	-	MSX 192 16.908.335	-	MSX 703 * 16.907.431 *	
	10	11	12	13	14	15	16	17	18	
	MSX 305 16.908.340	MSX 981 * 16.915.128 *	MSX 978 * 16.282.724 *	MSX 1262 16.908.994	MSX 1249 * 16.908.995 *	MSX 854 * 16.285.388 *	-	-	MSX 580 * 16.911.908 *	
MS 67 (IS1237)	12,0	4,0	9	2	34,8	26,0	82,5	R40°	2x105x10,9	H2
11.131.862	ATLAS COPCO, BOMAG, CASE, JCB									
										
	1	2	3	4	5	6	7	8	9	
AZF4229 12V 4,0kW	MSX 240 * 16.285.361 *	MSX 684 15.120.243	-	MSX 1410 16.915.236	-	MSX 724 16.904.625	MSX 192 16.908.335	MSX 609 16.904.832	MSX 786 16.908.339	
	10	11	12	13	14	15	16	17	18	
	MSX 305 16.908.340	MSX 787 16.908.341	MSX 1172 * 16.282.934 *	MSX 1097 * 16.915.869 *	MSX 1091 * 16.915.870 *	MSX 969 16.285.501	-	-	-	

* Item sob consulta / A consultar

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 68 (IS1236)	24,0	4,0	9	2	34,8	26,0	82,5	R40°	2x105x10,9	H2
11.131.863	DEUTZ									
										
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZF4230 24V 4kW	MSX 240 *	MSX 684	-	MSX 1086 *	-	MSX 143 *	MSX 192	MSX 609	-	
	16.285.361 *	15.120.243	-	16.915.235 *	-	16.911.659 *	16.908.335	16.904.832	-	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 305	MSX 787	MSX 978 *	MSX 1262	MSX 1249 *	MSX 969	-	-	-	
	16.908.340	16.908.341	16.282.724 *	16.908.994	16.908.995 *	16.285.501	-	-	-	

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 79 (IS1262)	12,0	4,2	9	3	35,0	30,0	110,0	L45°	3x146x12,2	H3
11.131.604	FORD NEW HOLLAND									
										
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZF4155 12V 4,2kW	MSX 1655 *	MSX 684	-	MSX 1081	-	MSX 976	MSX 192	MSX 609	MSX 786	
	16.285.437 *	15.120.243	-	16.915.287	-	16.911.711	16.908.335	16.904.832	16.908.339	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 305	MSX 787	MSX 497	MSX 1225	MSX 79	MSX 1656 *	-	-	-	
	16.908.340	16.908.341	16.282.089	16.908.336	16.908.337	16.285.440 *	-	-	-	





	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 84 (IS1105)	12,0	4,2	11	3	41,0	24,0	89,0	R119°	3x127x10,9	H3
11.131.848	JCB									
										
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZF4224 12V 4,2kW	MSX 432 *	MSX 684	-	MSX 1060	-	MSX 1345	MSX 192	MSX 533	MSX 997 *	
	16.283.424 *	15.120.243	-	16.915.354	-	16.902.621	16.908.335	16.911.446	16.915.044 *	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 305	MSX 787	MSX 673 *	MSX 1225	MSX 79	MSX 1447 *	-	-	-	
	16.908.340	16.908.341	16.282.438 *	16.908.336	16.908.337	16.283.937 *	-	-	-	










	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 86 (IS1101)	12,0	2,0	9	2	30,0	24,0	74,0	R70°	2x105x11,1	H2

11.131.267

JCB, JUNGHEINRICH, PERKINS



									
	MSX 459 *	MSX 323 *	-	MSX 1268 *	-	MSX 1277 *	MSX 36	MSX 148 *	MSX 772 *
AZE2155 12V 2,0kW	16.283.571 *	16.908.756 *	-	16.907.268 *	-	16.907.267 *	16.908.347	16.908.922 *	16.361.412 *











								
MSX 216	MSX 193 *	MSX 61 *	MSX 620 *	MSX 1330 *	MSX 312	-	-	-
16.908.351	16.908.353 *	16.282.164 *	16.915.200 *	16.908.349 *	16.908.518	-	-	-










MS 89
(IS0793)

11.131.374

BOBCAT, CLARK, COMPAC, INGERSOLL-RAND,
JOHN DEERE, RENAULT AGRICULTURE



									
	MSX 7 *	MSX 684	-	MSX 1007	-	MSX 332 *	MSX 1321 *	MSX 609	MSX 786
AZF4596 12V 3,4kW	16.283.016 *	15.120.243	-	16.915.718	-	16.908.807 *	16.908.806 *	16.904.832	16.908.339







								
MSX 305	MSX 787	MSX 497	MSX 1225	MSX 79	MSX 663 *	-	-	-
16.908.340	16.908.341	16.282.089	16.908.336	16.908.337	16.283.641 *	-	-	-










MS 91
(IS0897)

11.131.249

CASE, LANDINI, MASSEY-FERGUSON,
SAMPO ROSENLEW, URSUS, VALTRA (VALMET), ZETOR



									
	MSX 478	MSX 684	MSX 379	MSX 304	-	MSX 829	MSX 370	-	MSX 473
AZJ3405 12V 3,0kW	16.283.150	15.120.243	16.281.299	16.908.329	-	16.902.733	16.905.853	-	16.361.415

								
MSX 697	MSX 828	MSX 78	MSX 825	MSX 299	MSX 30	-	-	-
15.120.155	16.908.360	16.908.262	16.908.263	16.908.264	16.906.670	-	-	-


* Item sob consulta / A consultar

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 94 (IS1063)	12,0	4,2	10	3	39,6	51,0	89,0	L55°	3x127x10,9	H3

11.131.375

BELL, BOBCAT, CLARK, JOHN DEERE,
MASSEY-FERGUSON



	1	2	3	4	5	6	7	8	9
	MSX 85 16.908.783	MSX 684 15.120.243	-	MSX 1007 16.915.718	-	MSX 483 16.902.379	MSX 1227 16.908.492	MSX 609 16.904.832	MSX 786 16.908.339

10	11	12	13	14	15	16	17	18
MSX 305 16.908.340	MSX 236 16.908.542	MSX 497 16.282.089	MSX 1225 16.908.336	MSX 79 16.908.337	MSX 548 16.283.630	-	-	-


MS 100
(IS1264)

	24,0	4,0	10	3	39,6	51,0	89,0	R120°	3x127x10,9	H3
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11.131.846

IVECO



	1	2	3	4	5	6	7	8	9
	MSX 1065 * 16.285.559	MSX 684 15.120.243	-	MSX 1000 * 16.915.403	-	MSX 49 * 16.902.126	MSX 1673 * 16.915.405	MSX 609 16.904.832	MSX 1247 * 16.908.993 *

10	11	12	13	14	15	16	17	18
MSX 305 16.908.340	MSX 787 16.908.341	MSX 197 * 16.280.958 *	MSX 1262 16.908.994	MSX 1249 * 16.908.995 *	MSX 1669 * 16.285.596	-	-	-


MS 101
(IS1077)

	12,0	4,2	10	3	40,5	51,0	92,0	R48°	3x146x13,5	H3
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11.131.839

CASE



	1	2	3	4	5	6	7	8	9
	MSX 16 16.283.464	MSX 481 16.907.383	-	MSX 1030 16.915.352	-	MSX 164 16.902.036	MSX 192 16.908.335	MSX 119 16.907.091	MSX 786 16.908.339


10	11	12	13	14	15	16	17	18
MSX 305 16.908.340	MSX 263 16.907.092	MSX 497 16.282.089	MSX 1225 16.908.336	MSX 79 16.908.337	MSX 105 16.283.635	-	-	MSX 1205 16.902.035










	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 111 (IS1071)	12,0	3,0	10	3	39,6	32,5	89,0	R45°	3x127x10,9	H3

11.131.228

CLAAS, LOVOL, MASSEY-FERGUSON, PERKINS



										
	MSX 11	MSX 684	-	MSX 1396	-	MSX 483	MSX 192	MSX 609	MSX 786	
AZF4569 12V 3,0kW	16.283.310	15.120.243	-	16.915.607	-	16.902.379	16.908.335	16.904.832	16.908.339	

								
MSX 305	MSX 236	MSX 497	MSX 1225	MSX 79	MSX 103	-	-	-
16.908.340	16.908.542	16.282.089	16.908.336	16.908.337	16.283.631	-	-	-












MS 117
(IS1089)










	12,0	4,2	10	3	39,6	51,0	92,0	R48°	3x146x13,5	H3
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11.131.300

CASE, DAEWOO



										
	MSX 435 *	MSX 684	-	MSX 1111	-	MSX 602	MSX 1227	MSX 609	MSX 786	
AZF4577 12V 4,2kW	16.283.601 *	15.120.243	-	16.915.719	-	16.902.382	16.908.492	16.904.832	16.908.339	

								
MSX 305	MSX 787	MSX 497	MSX 1225	MSX 79	MSX 105	-	-	-
16.908.340	16.908.341	16.282.089	16.908.336	16.908.337	16.283.635	-	-	-

MS 133
(IS1363)










	12,0	1,2	9	2	34,8	24,0	82,5	L35°	2x105x12,5	H2
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11.131.517

AGRALE S.A. MAQUINARIO AGRICOLA













































										
	MSX 1457	MSX 669	-	MSX 821	-	MSX 880	MSX 36	MSX 324	MSX 325	
AZE2193 12V 1,2kW	16.285.832	15.120.182	-	16.908.241	-	16.907.632	16.908.347	16.908.757	16.361.450	






















								
MSX 216	MSX 135	MSX 5	MSX 131	MSX 309	MSX 312	-	-	-
16.908.351	16.908.962	16.282.047	16.908.924	16.908.509	16.908.518	-	-	-

* Item sob consulta / A consultar

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 134 (IS1365)	12,0	1,2	13	2	46,7	24,0	82,5	L35°	2x105x12,5	H2
11.131.519	AGRALE									
										
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZE2195 12V 1,2kW	MSX 1454 * 16.285.834 *	MSX 669 15.120.182	- -	MSX 821 16.908.241	- -	MSX 1189 * 16.915.941 *	MSX 36 16.908.347	MSX 1116 * 16.915.930 *	MSX 325 16.361.450	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 216 16.908.351	MSX 135 16.908.962	MSX 5 16.282.047	MSX 131 16.908.924	MSX 309 16.908.509	MSX 312 16.908.518	- -	- -	- -	
MS 138 (IS0999)	12,0	4,2	10	3	39,6	30,0	89,0	R45°	3x127X10,9	H3
11.131.464	CASE, LANDINI, MCCORMICK, NEW HOLLAND									
										
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZF4122 12V 4,2kW	MSX 9 16.283.303	MSX 684 15.120.243	- -	MSX 1081 16.915.287	- -	MSX 483 16.902.379	MSX 192 16.908.335	MSX 609 16.904.832	MSX 786 16.908.339	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 305 16.908.340	MSX 236 16.908.542	MSX 497 16.282.089	MSX 1225 16.908.336	MSX 79 16.908.337	MSX 103 16.283.631	- -	- -	- -	
MS 141 (IS0728)	24,0	4,0	9	3	34,8	51,0	89,0	R125°	3x127x11,2	H3
11.130.728	MERCEDES-BENZ									
										
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZF4507 24V 4,0kW	MSX 4 * 16.281.972 *	MSX 684 15.120.243	- -	MSX 1099 * 16.915.750 *	MSX 565 * 16.907.588 *	MSX 724 16.904.625	MSX 1227 16.908.492	MSX 609 16.904.832	MSX 1247 * 16.908.993 *	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 305 16.908.340	MSX 704 * 16.907.432 *	MSX 197 * 16.280.958 *	MSX 1262 16.908.994	MSX 1249 * 16.908.995 *	MSX 107 * 16.283.642 *	- -	- -	- -	

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 148 (IS1090)	12,0	3,2	10	3	32,0	51,0	89,0	R45°	3x127x10,9	H3
11.132.180	BOMAG, CONSOLIDATED DIESEL, CUMMINS, DOW WARNER, DRESSER, DYNAPAC, FORD, FREIGHTLINER, HARLO, INGERSOLL-RAND, JLG, KENWORTH, MILLER APP. TECHNOLOGY, OTTAWA, PERKINS, PRAIRE, PSI, TIMBERJACK, WHITE, WILLMAR									 
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZE4253 12V 3,2kW	MSX 227 16.283.482	MSX 684 15.120.243	-	MSX 1111 * 16.915.719 *	-	MSX 800 * 16.902.854 *	MSX 1227 16.908.492	MSX 552 16.911.622	MSX 1366 16.907.753	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 547 16.908.750	MSX 288 16.908.985	MSX 905 16.282.589	MX 5 16.908.752	MSX 322 16.908.753	MSX 1042 * 16.285.533 *	-	-	-	

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 151 (IS1023)	12,0	4,2	10	3	39,6	32,5	89,0	L40°	3x127x10,9	H3
11.131.077	FARMTRAC, MASSEY-FERGUSON, MCCORMICK, PERKINS									 
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZF4545 12V 4,2kW	MSX 767 16.283.167	MSX 684 15.120.243	-	MSX 1396 16.915.607	-	MSX 602 16.902.382	MSX 192 16.908.335	MSX 609 16.904.832	MSX 786 16.908.339	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 305 16.908.340	MSX 787 16.908.341	MSX 497 16.282.089	MSX 1225 16.908.336	MSX 79 16.908.337	MSX 108 * 16.283.644 *	-	-	-	

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 165 (IS1117)	24,0	4,0	10	3	40,5	51,0	89,0	L55°	3x127x10,9	H3
11.132.302	CUMMINS, JOHN DEERE									 
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZF4593 24V 4,0kW	MSX 137 * 16.283.500 *	MSX 684 15.120.243	-	MSX 466 * 16.907.382 *	-	MSX 766 16.902.835	MSX 1227 16.908.492	MSX 609 16.904.832	MSX 1247 * 16.908.993 *	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 305 16.908.340	MSX 787 16.908.341	MSX 197 * 16.280.958 *	MSX 1208 * 16.916.396 *	MSX 1249 * 16.908.995 *	MSX 454 * 16.283.640 *	-	-	-	











* Item sob consulta / A consultar










	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 175 (ISO836)	12,0	4,2	11	3	41,0	51,0	89,0	R45°	3x127x10,9	H3

11.132.356

CASE, CRYSTAL TRACTOR, JCB,
MASSEY-FERGUSON, MCCORMICK,
PIONEIRA, SAMPO ROSENLEW, SISU DIESEL,
VALTRA (VALMET), ZETOR



									
	MSX 594 16.283.092	MSX 684 15.120.243	-	MSX 1388 16.915.232	-	MSX 33 16.904.776	MSX 1227 16.908.492	MSX 609 16.904.832	MSX 786 16.908.339

								
MSX 305 16.908.340	MSX 236 16.908.542	MSX 673 * 16.282.438 *	MSX 1225 16.908.336	MSX 79 16.908.337	MSX 974 * 16.285.506 *	-	-	-

MS 188
(ISO404)










12,0	0,9	9	3	25,8	18,0	82,8	R54°	3x105xM8	H3
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11.130.404

AUDI, VW



									
	MSX 443 * 15.131.790 *	MSX 247 * 15.120.133 *	-	MSX 186 16.906.651	-	MSX 1234 16.901.419	MSX 369 * 16.905.829 *	-	MSX 1342 * 16.361.113 *

								
MX 1 * 16.906.374 *	MSX 779 * 16.906.158 *	MSX 1243 * 16.280.416 *	-	MSX 267 * 16.905.832 *	MSX 65 * 16.905.910 *	-	-	-

MS 191
(ISO407)










24,0	4,0	9	3	34,8	51,0	78,0	R30°	3x127x10,9	H3
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













11.130.407

MERCEDES-BENZ
























									
	MSX 487 * 16.281.087 *	MSX 684 15.120.243	MSX 379 16.281.299	MSX 778 * 16.905.826 *	-	MSX 400 16.901.658	MSX 850 * 16.905.915 *	-	MSX 846 16.361.529





















								
MSX 697 15.120.155	MSX 387 16.906.505	MSX 803 16.906.637	MSX 388 16.906.638	MSX 389 * 16.906.639 *	MSX 694 * 16.905.481 *	-	-	-

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 192 (IS0409)	12,0	3,0	9	3	34,8	30,0	110,0	L60°	3x146x12,2	H3
11.130.409	FARYMANN (FARNY&WEIDMANN), GOLDONI, STORE, UTB (ROM)									
										
AZJ3115 12V 3,0kW	MSX 383 16.281.392	MSX 684 15.120.243	MSX 379 16.281.299	MSX 1217 16.905.240	- -	MSX 400 16.901.658	MSX 370 16.905.853	- -	MSX 473 16.361.415	
										
	MSX 697 15.120.155	MSX 387 16.906.505	MSX 500 * 16.905.686 *	MSX 706 16.906.503	MSX 849 * 16.905.688 *	MSX 360 * 16.905.377 *	- -	- -	- -	

























































	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 193 (IS0412)	12,0	3,0	9	3	34,8	51,0	89,0	R30°	3x127x10,9	H3
11.130.412	MERCEDES-BENZ									
										
AZJ3118 12V 3kW	MSX 487 * 16.281.087 *	MSX 684 15.120.243	MSX 379 16.281.299	MSX 610 16.905.750	- -	MSX 400 16.901.658	MSX 850 * 16.905.915 *	- -	MSX 473 16.361.415	
										
	MSX 697 15.120.155	MSX 387 16.906.505	MSX 500 * 16.905.686 *	MSX 706 16.906.503	MSX 849 * 16.905.688 *	MSX 694 * 16.905.481 *	- -	- -	- -	



	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 211 (IS1397)	12,0	2,6	9	2	34,8	26,0	82,5	R35i	2x105x10,9	H2
11.132.196	ATLAS COPCO/LIEBHERR/DYNAPAC									
										
AZE4256 12V 2,6kW	MSX 693 * 16.283.856 *	MSX 684 15.120.243	- -	MSX 1032 * 16.915.370 *	- -	MSX 656 * 16.902.815 *	MSX 1227 16.908.492	MSX 1282 16.911.623	MSX 925 16.907.895	
										
	- -	MSX 1033 16.915.371	MSX 1006 -	MX 5 16.908.752	MSX 322 16.908.753	MSX 1405 * 16.285.570 *	- -	- -	- -	



* Item sob consulta / A consultar

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 214 (IS1344)	24,0	4,0	11	3	41,0	51,0	89,0	R45°	3x127x10,9	H3
11.132.189	SISU DIESEL, VALTRA (VALMET)									
										
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZF4327 24V 4,0kW	MSX 1092 * 16.285.801 *	MSX 684 15.120.243	- -	MSX 1094 * 16.915.886 *	- -	MSX 654 * 16.904.894 *	MSX 1164 * 16.915.991 *	MSX 609 16.904.832	MSX 1247 * 16.908.993 *	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 305 16.908.340	MSX 236 16.908.542	MSX 688 * 16.282.575 *	MSX 1262 16.908.994	MSX 1249 * 16.908.995 *	MSX 1704 * 16.285.807 *	- -	- -	- -	
MS 225 (IS1019)	12,0	4,2	10	3	39,6	32,5	89,0	R45°	3x127x10,9	H3
11.132.149	MASSEY-FERGUSON, NEW HOLLAND									
										
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZF4315 12V 4,2kW	MSX 11 16.283.310	MSX 11 16.283.310	- -	MSX 1077 16.915.341	- -	MSX 483 16.902.379	MSX 891 * 16.907.651 *	MSX 609 16.904.832	MSX 786 16.908.339	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 305 16.908.340	MSX 236 16.908.542	MSX 673 * 16.282.438 *	MSX 1225 16.908.336	MSX 79 16.908.337	MSX 1772 * 16.285.753 *	- -	- -	- -	
MS 232 (IS0842)	24,0	4,0	9	3	34,8	31,0	89,0	L52°	3x127x10,5	H3
11.130.842	ABG, ATLAS COPCO, DEUTZ AG (KHD), FUCHS, NORMET, POCLAIN, SCHAEF									
										
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZF4515 24V 4,0kW	MSX 648 * 16.285.395 *	MSX 684 15.120.243	- -	MSX 1413 * 16.915.142 *	- -	MSX 724 16.904.625	MSX 192 16.908.335	MSX 609 16.904.832	MSX 1247 * 16.908.993 *	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 305 16.908.340	MSX 787 16.908.341	MSX 197 * 16.280.958 *	MSX 1262 16.908.994	MSX 1249 * 16.908.995 *	MSX 647 * 16.285.394 *	- -	- -	- -	

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 239 (IS1341)	24,0	4,0	10	3	39,6	30,0	89,0	R45°	3x127x10,9	H3

11.132.094

CASE, NEW HOLLAND



	1	2	3	4	5	6	7	8	9
	MSX 9 16.283.303	MSX 684 15.120.243	- -	MSX 1467 * 16.915.872 *	- -	MSX 766 16.902.835	MSX 192 16.908.335	MSX 609 16.904.832	MSX 1247 * 16.908.993 *

10	11	12	13	14	15	16	17	18
MSX 305 16.908.340	MSX 787 16.908.341	MSX 197 * 16.280.958 *	MSX 1262 16.908.994	MSX 1249 * 16.908.995 *	MSX 1706 * 16.285.783 *	- -	- -	- -

MS 243
(IS1046)

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
	12,0	3,0	10	3	39,6	28,7	92,0	R30°	3x146x13	H3

11.131.162

AGCO, EICHER, MASSEY-FERGUSON



	1	2	3	4	5	6	7	8	9
	MSX 433 16.283.432	MSX 684 15.120.243	MSX 410 * 16.283.104 *	MSX 835 16.908.987	- -	MSX 739 16.902.413	MSX 370 16.905.853	- -	MSX 524 * 16.361.503 *

10	11	12	13	14	15	16	17	18
MSX 697 15.120.155	MSX 828 16.908.360	MSX 86 * 16.908.787 *	MSX 87 16.908.788	MSX 632 * 16.908.789 *	MSX 195 * 16.908.790 *	- -	- -	- -

MS 246
(IS1120)

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
	12,0	4,2	10	3	39,6	51,0	89,0	L37,5°	3x127x10,9	H3

11.131.370

CASE, JONH DEERE



	1	2	3	4	5	6	7	8	9
	MSX 1279 * 16.283.216 *	MSX 684 15.120.243	- -	MSX 100 16.915.042	- -	MSX 483 16.902.379	MSX 830 16.908.457	MSX 876 * 16.907.474 *	MSX 786 16.908.339

10	11	12	13	14	15	16	17	18
MSX 305 16.908.340	MSX 236 16.908.542	MSX 673 16.282.438	MSX 1225 16.908.336	MSX 79 16.908.337	MSX 156 * 16.283.726 *	- -	- -	- -

* Item sob consulta / A consultar

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 265 (ISO743)	24,0	4,0	9	3	34,8	51,0	89,0	L45°	3x127x10,5	H3

11.130.743

SCANIA, STEYR (STEYR-DAIMLER-PUCH AG), VOLVO (BM)



	MSX 477 * 16.281.920 *	MSX 684 15.120.243	MSX 379 16.281.299	MSX 357 * 16.905.159 *	- -	MSX 400 16.901.658	MSX 370 16.905.853	- -	MSX 846 16.361.529

MSX 697 15.120.155	MSX 387 16.906.505	MSX 803 16.906.637	MSX 388 16.906.638	MSX 389 * 16.906.639 *	MSX 714 * 16.905.815 *	- -	- -	- -

MS 270
(ISO660)

24,0	4,0	9	3	34,8	51,0	89,0	L40°	3x127x10,9	H3
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11.130.660

MERCEDES-BENZ



	MSX 1713 * 16.285.747 *	MSX 684 15.120.243	MSX 379 16.281.299	MSX 357 * 16.905.159 *	- -	MSX 400 16.901.658	MSX 370 16.905.853	- -	MSX 846 16.361.529

MSX 697 15.120.155	MSX 387 16.906.505	MSX 803 16.906.637	MSX 388 16.906.638	MSX 389 * 16.906.639 *	MSX 694 * 16.905.481 *	- -	- -	- -

MS 271
(ISO695)

12,0	3,1	9	3	36,8	24,0	89,0	R45°	3x127x11,5	H3
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11.130.695

CASE



	MSX 727 * 16.281.914 *	MSX 684 15.120.243	MSX 399 * 16.281.899 *	MSX 705 * 16.905.757 *	- -	MSX 604 * 16.903.374 *	MSX 827 * 16.908.344 *	- -	MSX 768 * 16.361.527 *

MSX 697 15.120.155	MSX 1241 16.906.267	MSX 780 16.906.264	MSX 210 * 16.906.708 *	MSX 208 16.906.266	MSX 194 * 16.908.717 *	- -	- -	- -

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 275 (IS0750)	12,0	3,0	10	3	32,0	32,0	89,0	L40°	3x127x10,9	H3
11.130.750	FORD									
	 									
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZJ3268 12V 3kW	MSX 397 16.281.775	MSX 684 15.120.243	MSX 379 16.281.299	MSX 1217 16.905.240	- -	MSX 833 * 16.903.166 *	MSX 370 16.905.853	- -	MSX 473 16.361.415	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 697 15.120.155	MSX 387 16.906.505	MSX 500 * 16.905.686 *	MSX 706 16.906.503	MSX 257 * 16.906.504 *	MSX 694 * 16.905.481 *	- -	- -	- -	
MS 277 (IS0551)	12,0	2,7	9	3	34,8	31,0	89,0	L52°	3x127x10,9	H3
11.130.551	ABG, ATLAS, ATLAS COPCO, BOSCH, CASE, CLAAS, DEUTZ AG (KHD), DEUTZ-FAHR, FAHR, FENDT, HAMM, HANOMAG HENSCHL, IH, IRMER U. ELZE, IVECO, JW, KRAMER, LINDE, MENGELE, O&K, SCHAEF, SENNEBOGEN, WESERHUETTE									
	 									
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZJ3169 12V 2,7kW	MSX 384 * 16.281.517 *	MSX 643 15.120.161	MSX 379 16.281.299	MSX 774 16.905.244	- -	MSX 280 16.900.254	MSX 370 16.905.853	- -	MSX 1224 * 16.361.481 *	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 697 15.120.155	MSX 371 16.906.142	MSX 177 16.906.171	MSX 255 16.905.972	MSX 175 16.905.973	MSX 712 * 16.906.178 *	- -	- -	- -	
MS 289 (IS1195)	12,0	3,2	10	3	39,6	32,5	89,0	R50°	3x127x10,9	H3
11.131.780	MANITOU, MASSEY-FERGUSON, PERKINS, SPRA-COUBE									
	 									
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZE4172 12V 3,2kW	MSX 935 * 16.285.113 *	MSX 684 15.120.243	- -	MSX 924 16.915.546	- -	MSX 233 16.902.507	MSX 192 16.908.335	MSX 1282 16.911.623	MSX 1366 16.907.753	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 547 16.908.750	MSX 230 16.907.933	MSX 905 16.282.589	MX 5 16.908.752	MSX 322 16.908.753	MSX 955 * 16.285.120 *	- -	- -	- -	











* Item sob consulta / A consultar










	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 291 (IS1158)	12,0	4,2	10	3	39,6	24,0	92,0	R52°	3x146x10,9	H3

11.131.573

AVELING BARFORD, BARBER GREENE, BUHRER, CASE, COMPAIR, DAVID BROWN (CASE), DENNIS, FORD NEW HOLLAND, INGERSOLL-RAND, JCB, MATBRO, MUIRHILL, RELIANCE MERCURY, SANDERSON, WEATHERHILL



										
	MSX 954 16.285.067	MSX 684 15.120.243	-	MSX 1355 16.907.772	-	MSX 602 16.902.382	MSX 192 16.908.335	MSX 609 16.904.832	MSX 786 16.908.339	

								
MSX 305 16.908.340	MSX 787 16.908.341	MSX 497 16.282.089	MSX 1225 16.908.336	MSX 79 16.908.337	MSX 944 * 16.285.064 *	-	-	-












MS 293
(IS1027)










12,0	3,2	10	2	32,0	38,0	82,5	L45°	2x105x10,5	H2
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11.131.789

ATLAS COPCO, BOBCAT, CLARK, COMPAC, JOHN DEERE, SULLAIR, WILLMAR



										
	MSX 70 16.283.434	-	-	MSX 1093 * 16.915.835 *	-	MSX 321 16.908.746	MSX 1159 * 16.915.982 *	MSX 1135 * 16.916.102 *	MSX 1366 16.907.753	

								
MSX 547 16.908.750	MSX 1229 16.908.751	MSX 1122 * 16.286.100 *	MX 5 16.908.752	MSX 322 16.908.753	MSX 640 * 16.285.493 *	-	-	MSX 641 16.911.900












MS 299
(IS1233)










12,0	3,2	10	3	39,6	32,5	89,0	L30°	3x127x10,9	H3
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11.131.731

LANDINI, MCCORMICK, PERKINS



										
	MSX 1236 * 16.285.380 *	MSX 684 15.120.243	-	MSX 1396 16.915.607	-	MSX 233 16.902.507	MSX 192 16.908.335	MSX 1282 16.911.623	MSX 1366 16.907.753	

								
MSX 547 16.908.750	MSX 230 16.907.933	MSX 1315 16.282.543	MX 5 16.908.752	MSX 322 16.908.753	MSX 917 16.285.005	-	-	-

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 346 (IS0579)	12,0	2,8	10	3	39,6	24,0	92,0	R52°	3x146x10,9	H3

11.130.579

AVELING BARFORD, BARBER GREENE, BUHRER, CASE, COMPAIR, DAVID BROWN (CASE), DENNIS, FORD, FORD NEW HOLLAND, INGERSOLL-RAND, JCB, MATBRO, MUIRHILL, RELIANCE MERCURY, SANDERSON, WEATHERHILL



									
	MSX 1332 16.281.679	MSX 643 15.120.161	MSX 379 16.281.299	MSX 176 16.906.167	- -	MSX 734 16.901.694	MSX 370 16.905.853	- -	MSX 161 * 16.361.491 *
AZJ3182 12V 2,8kW									
									
	MSX 697 15.120.155	MSX 375 * 16.906.170 *	MSX 802 * 16.906.168 *	MSX 255 16.905.972	MSX 175 16.905.973	MSX 72 * 16.906.421 *	- -	- -	- -

MS 349
(IS0824)

11.130.824

AGRALE S.A. MAQUINARIO AGRICOLA, CASE, CBT, FIAT-ALLIS, MULLER, MWM-DIESEL, PUMA, SLC (JOHN DEERE), VALTRA (VALMET), VW (VOLKSWAGEN) (BR)



									
	MSX 646 16.283.135	MSX 684 15.120.243	MSX 379 16.281.299	MSX 774 16.905.244	- -	MSX 400 16.901.658	MSX 370 16.905.853	- -	MSX 473 16.361.415
AZJ3287 12V 3,0kW									
									
	MSX 697 15.120.155	MSX 387 16.906.505	MSX 78 16.908.262	MSX 289 16.908.889	MSX 299 16.908.264	MSX 184 16.906.146	- -	- -	- -

MS 357
(IS0627)

11.130.627

BUHRER, CASE, FORD NEW HOLLAND



									
	MSX 1332 16.281.679	MSX 643 15.120.161	MSX 379 16.281.299	MSX 707 16.906.711	- -	MSX 734 16.901.694	MSX 370 16.905.853	- -	MSX 116 16.361.525
AZJ3201 12V 3,1kW									
									
	MSX 697 15.120.155	MSX 1241 16.906.267	MSX 566 16.906.878	MSX 117 16.906.265	MSX 208 16.906.266	MSX 184 16.906.146	- -	- -	- -

* Item sob consulta / A consultar

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 391 (IS0503)	12,0	2,7	9	2	34,8	24,0	82,5	R65°	2x105x13,5	H2

11.130.503

AGRIFULL, CESAB, FERRARI, VM MOTORI



	MSX 467 *	MSX 643	MSX 379	MSX 1217	-	MSX 280	MSX 370	-	MSX 1224 *
AZJ3140 12V 2,7kW	16.281.395 *	15.120.161	16.281.299	16.905.240	-	16.900.254	16.905.853	-	16.361.481 *

MSX 697	MSX 371	MSX 177	MSX 255	MSX 175				
15.120.155	16.906.142	16.906.171	16.905.972	16.905.973	16.905.815	-	-	-

MS 399
(IS1201)

	12,0	3,2	10	3	39,6	32,5	89,0	L42°	3x127x10,9	H3
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11.131.781

AGCO, BOBCAT, ERKUNT TRACTOR, FARMTRAC, HATTAT, MASSEY-FERGUSON, PERKINS



	MSX 971 *	MSX 684	-	MSX 924	-	MSX 233	MSX 192	MSX 1282	MSX 1366
AZE4173 12V 3,2kW	16.285.476 *	15.120.243	-	16.915.546	-	16.902.507	16.908.335	16.911.623	16.907.753

MSX 547	MSX 942	MSX 1315	MX 5	MSX 322	MSX 941 *	-	-	-
16.908.750	16.907.910	16.282.543	16.908.752	16.908.753	16.285.119 *	-	-	-

MS 402
(IS1118)

	12,0	4,2	10	3	39,6	51,0	89,0	L55°	3x127x10,9	H3
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







11.131.356





















CUMMINS, JOHN DEERE























	MSX 137 *	MSX 684	-	MSX 1069 *	-	MSX 602	MSX 1227	MSX 609	MSX 786
AZF4592 12V 4,2kW	16.283.500 *	15.120.243	-	16.915.277 *	-	16.902.382	16.908.492	16.904.832	16.908.339







MSX 305	MSX 787	MSX 497	MSX 1306 *	MSX 79	MSX 454 *	-	-	-
16.908.340	16.908.341	16.282.089	16.907.381 *	16.908.337	16.283.640 *	-	-	-

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 404 (IS1125)	12,0	2,0	9	2	30,0	24,0	82,5	L35°	2x105x10,3	H2
11.131.406	STEYR MARINE									
										
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZE2177 12V 2,0kW	MSX 708 * 16.283.769 *	MSX 323 * 16.908.756 *	- -	MSX 821 16.908.241	- -	MSX 42 * 16.908.758 *	MSX 36 16.908.347	MSX 324 16.908.757	MSX 772 * 16.361.412 *	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 216 16.908.351	MSX 1384 * 16.908.759 *	MSX 732 * 16.282.322 *	MSX 306 * 16.908.348 *	MSX 1330 * 16.908.349 *	MSX 169 * 16.908.760 *	- -	- -	- -	

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 417 (IS1165)	12,0	3,2	9	3	34,8	29,0	98,5	R35°	3x127x11,5	H3
11.132.051	VALTRA (VALMET)									
										
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZE4222 12V 3,2kW	MSX 1145 * 16.285.863 *	MSX 684 15.120.243	- -	MSX 1077 16.915.341	- -	MSX 910 16.911.403	MSX 891 * 16.907.651 *	MSX 1282 16.911.623	MSX 1366 16.907.753	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 547 16.908.750	MSX 1229 16.908.751	MSX 905 16.282.589	MX 5 16.908.752	MSX 322 16.908.753	MSX 1174 * 16.285.859 *	- -	- -	- -	

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 430 (IS1059)	12,0	3,2	10	2	32,0	38,0	82,5	L45°	2x105x10,5	H2
11.131.833	JOHN DEERE									
										
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZE4185 12V 3,2kW	MSX 1184 * 16.285.820 *	MSX 684 15.120.243	- -	MSX 1027 * 16.915.558 *	- -	MSX 149 16.902.653	MSX 891 * 16.907.651 *	MSX 1282 16.911.623	MSX 1366 16.907.753	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 547 16.908.750	MSX 288 16.908.985	MSX 1096 * 16.282.914 *	MX 5 16.908.752	MSX 322 16.908.753	MSX 1061 * 16.285.539 *	- -	- -	- -	

* Item sob consulta / A consultar











	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 437 (IS1151)	12,0	1,0	8	-	-	-	-	-	-	-
11.131.530	BOMAG									
										
	1	2	3	4	5	6	7	8	9	
AZE1241 12V 1,0kW	MSX 1369 * 16.283.213 *	MX 6 * 15.120.087 *	- -	MSX 455 * 16.908.624 *	- -	MSX 248 * 16.902.152 *	MSX 426 * 16.908.037 *	- -	MSX 584 * 16.361.663 *	
	10	11	12	13	14	15	16	17	18	
	MSX 709 * 16.906.373 *	MSX 310 * 16.908.512 *	MSX 493 * 16.282.268 *	- -	MSX 267 * 16.905.832 *	MSX 795 * 16.283.200 *	- -	- -	- -	
MS 446 (IS0841)	12,0	3,0	9	3	35	31	89	L52°	3x127x10,5	H3
11.130.841	ATLAS COPCO, BOBCAT, BOMAG, DEUTZ, JCB, LIEBHERR									
										
	1	2	3	4	5	6	7	8	9	
AZF4514 12V 3kW	MSX 648 * 16.285.395 *	MSX 684 15.120.243	- -	MSX 1411 * 16.915.125 *	- -	MSX 724 16.904.625	MSX 192 16.908.335	MSX 609 16.904.832	MSX 786 16.908.339	
	10	11	12	13	14	15	16	17	18	
	- -	MSX 787 16.908.341	MSX 497 16.282.089	MSX 1225 16.908.336	MSX 79 16.908.337	MSX 647 * 16.285.394 *	- -	- -	- -	
MS 454 (IS1269)	12,0	2,6	9	3	36,3	26	81,5	L31°	3x116x	H3
11.131.476	CITROËN									
										
	1	2	3	4	5	6	7	8	9	
AZE6513 12V 2,6kW	MSX 1694 * 16.285.581 *	MSX 669 15.120.182	- -	MSX 901 * 16.907.800 *	- -	MSX 895 * 16.911.408 *	MSX 558 * 15.421.663 *	MSX 1209 * 16.916.383 *	MSX 1364 * 16.907.801 *	
	10	11	12	13	14	15	16	17	18	
	MSX 547 16.908.750	MSX 916 * 16.907.819 *	MSX 1472 * 16.286.083 *	MX 5 16.908.752	MSX 322 16.908.753	MSX 993 * 16.285.410 *	- -	- -	- -	










	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 460 (IS9034)	24,0	6,6	11	3	-	40	92	L105°	3x146x16,8	H3

11.139.040

SCANIA



									
AZK5199 24V 6,6kW	-	-	-	-	-	-	-	-	-

								
-	-	-	-	-	-	-	-	-











MS 472
(IS9022)










24,0	6,6	11	3	-	40	92	L105°	3x146x16,8	H3
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11.139.022

SCANIA



									
AZK5181 24V 6,6kW	-	-	-	-	-	-	-	-	-

								
-	-	-	-	-	-	-	-	-











MS 486
(IS1056)










12,0	4,2	10	3	39,6	51,0	89,0	R45°	3x127x10,9	H3
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11.131.382





















CASE, CUMMINS, IH, JOHN DEERE, LOADLIFTER,
NEW HOLLAND, PRAIRE, VERMEER











































									
AZF4598 12V 4,2kW	MSX 594 16.283.092	MSX 684 15.120.243	-	MSX 1007 16.915.718	-	MSX 483 16.902.379	MSX 1227 16.908.492	MSX 609 16.904.832	MSX 786 16.908.339

								
MSX 305 16.908.340	MSX 236 16.908.542	MSX 497 16.282.089	MSX 1225 16.908.336	MSX 79 16.908.337	MSX 104 16.283.632	-	-	-

* Item sob consulta / A consultar

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 561 (IS1173)	12,0	1,2	13	2	46,7	24,0	82,5	L35°	2x105x12,5	H2
11.131.518	AGRALE S.A. MAQUINARIO AGRICOLA									
										
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZE2194 12V 1,2kW	MSX 953 * 16.285.068 *	MSX 669 15.120.182	- -	MSX 821 16.908.241	- -	MSX 957 16.907.851	MSX 36 16.908.347	MSX 628 16.907.270	MSX 325 16.361.450	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 216 16.908.351	MSX 135 16.908.962	MSX 409 16.282.051	MSX 308 16.908.508	MSX 309 16.908.509	MSX 313 16.908.519	- -	- -	- -	

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 592 (IS1303)	12,0	3,2	11	3	41,0	51,0	89,0	R45°	3x127x10,9	H3
11.131.728	CASE, CRYSTAL TRACTOR, MASSEY-FERGUSON, VALTRA (VALMET), ZETOR									
										
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZE4166 12V 3,2kW	MSX 227 16.283.482	MSX 684 15.120.243	- -	MSX 1388 16.915.232	- -	MSX 1106 16.912.371	MSX 1227 16.908.492	MSX 552 16.911.622	MSX 1366 16.907.753	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	MSX 547 16.908.750	MSX 942 16.907.910	MSX 905 16.282.589	MX 5 16.908.752	MSX 322 16.908.753	MSX 1436 16.283.961	- -	- -	- -	

	V	kW	Z	Nº Furos	dK	DF	Ø	α1	H / R / Bore Ø	Fix./Fij.
MS 596 (IS1144)	12,0	4,2	10	-	-	-	-	-	-	H3
11.131.491	AGCO									
										
	1 	2 	3 	4 	5 	6 	7 	8 	9 	
AZF4643 12V 4,2kW	MSX 16 16.283.464	- -	- -	MSX 1077 16.915.341	- -	MSX 164 16.902.036	MSX 192 16.908.335	MSX 119 16.907.091	MSX 786 16.908.339	
	10 	11 	12 	13 	14 	15 	16 	17 	18 	
	-	MSX 263 16.907.092	MSX 497 16.282.089	MSX 1225 16.908.336	MSX 79 16.908.337	-	-	-	MSX 1205 16.902.035	

LISTA DE COMPONENTES AVULSOS / LISTADO DE COMPONENTES (DESPIECE)

Código MAHLE	Código Letrika	Código MAHLE	Código Letrika	Código MAHLE	Código Letrika	Código MAHLE	Código Letrika
MSX 54	16905292	MSX 513	16911910	MSX 927	16907897	MSX 1511	16908505
MSX 109	16907235	MSX 582	16907979	MSX 961	16907858	MSX 1519	16282432
MSX 118	16282393	MSX 605	16361103	MSX 962	16907859	MSX 1520	16282623
MSX 272	16360685	MSX 607	16907406	MSX 1074	16915250	MSX 1521	16300216
MSX 273	16907199	MSX 635	16908827	MSX 1080	16915251	MSX 1532	16906644
MSX 279	16283643	MSX 667	16901752	MSX 1246	16908984	MSX 1534	16906805
MSX 326	16361499	MSX 676	16904979	MSX 1308	16907502	MSX 1535	16907198
MSX 333	16908837	MSX 678	16907234	MSX 1322	16907455	MSX 1544	16908983
MSX 356	16904847	MSX 692	16283711	MSX 1344	16915008	MSX 1545	16911628
MSX 470	16282345	MSX 751	16360402	MSX 1365	16907791	MSX 1547	16915276
MSX 482	16907384	MSX 785	16908334	MSX 1429	16907860	MSX 1780	46362145
MSX 507	16907487	MSX 826	16908274	MSX 1489	16283581		
MSX 510	16907490	MSX 890	16907644	MSX 1491	16907646		
MSX 511	16907491	MSX 920	16283960	MSX 1498	16283580		

MOTORES DE PARTIDA | ITENS SOB CONSULTA

MOTORES DE ARRANQUE | ITENS A CONSULTAR

APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSIÓN	MOTOR		REF. MAHLE LETRIKA	REF. LETRIKA	REF. EO	FAMÍLIA FAMILIA	TENSÃO TENSIÓN
AGCO								
320	DG/DSG			MS 19	IS1347	11132176	V836664355	AZF4322 24V 4kW z11
420	DM,DSM,DSIM	4 cyl.		MS 398	IS1168	11131602	8366 640 29	AZF4154 12V 4,2kW z11
ALLIS	8630	Same 1000.6AT		MS 58	IS0201	11130201	C000900060020	AZJ3537 12V 3kW z11
33 CTA, 33DTA		3-cyl; Tier 4		MS 209	IS1362	11132205	4377 659 M1	AZE4674 12V 3,2kW z10
ALLIS	6670	Same 1000.4A		MS 354	IS0254	11130898	C000900060040	AZJ3320 12V 3kW z9
ENGINES	84.CTA			MS 1	IS1276	11132104	4288 991 M2	AZF4831 12V 4,2kW z10
MF 5425		Perkins 1004D 44TA; 82HP		MS 22	IS1200	11132118	4289 959 M2	AZF4304 12V 4,2kW z10
ATLAS COPCO								
ST	48	KHD-F4L912		MS 446	IS0841	11130841	2913108700	AZF4514 12V 3kW z9
BOMAG								
DRUM VIBRATORY ROLLERS	BW 190 AD-4 AM	TCD2012 L04 2V; 100kW; Tier 3		MS 446	IS0841	11130841	057 129 09	AZF4514 12V 3kW z9
BW	138AC	F3L1011F; 31,5kW		MS 30	IS1072	11131951	057 180 62	AZE4202 12V 3,2kW z11
BW	4A	KHD-F3L912		MS 578	IS9083	11139092	057 109 06	AZK5444 12V 3,6kW z9
CASE								
FARM	3230	4-206 Diesel		MS 152	IS1018	11131038	4033 00 R92	AZJ3364 12V 3kW z10
FARM	4230	4-268 Diesel		MS 170	IS1315	11132010	4033 00 R92	AZE4217 12V 3,2kW z10
FARM	1210	195, 4-219		MS 51	IS0630	11130972	957 340 EX	AZJ3347 12V 2,7kW z11
FARM	1490	4-219		MS 145	IS1398	11132193	957 340 EX	AZE4255 12V 3,2kW z11
CS	78	Sisu 420.81; 4cyl.Turbo		MS 315	IS0807	11130807	3233 19 A1	AZJ3330 12V 3kW z10
800-SERIE	844,A	D-246		MS 272	IS0889	11130889	3055 414 R92	AZJ3314 12V 2,7kW z9
CS	75	Sisu 320.81; 3cyl.Turbo		MS 314	IS0808	11130808	3881 86 A2	AZJ3331 12V 3kW z10
FARM	5120	4-239 Diesel		MS 418	IS0665	11131997	A 186 180	AZJ3466 12V 2,7kW z10
CS	78	MWM, 4-cyl		MS 394	IS1388	11132155	1,301E+11	AZE4240 12V 3,2kW z9
MC	80	4T		MS 395	IS1378	11132159	234 987 A1	AZE4244 12V 3,2kW z10
MX MAXXUM	MX120	6-359 Diesel		MS 294	IS1159	11131574	234 987 A1	AZF4147 12V 4,2kW z10
MXU	100			MS 168	IS1109	11132260	2852178	AZF4346 12V 4,2kW z10
TRACTORS	VG889			MS 352	IS0704	11130704	1133 958 R1	AZJ3242 12V 3,1kW z9
FARM	3288	D-358		MS 420	IS1284	11131913	121 915 C91	AZJ3465 12V 3,1kW z10
800-SERIE	844,A	D-246		MS 18	IS1383	11132153	1133 958 R1	AZE4238 12V 3,2kW z9
TX36				MS 21	IS1377	11132160	234 986 A1	AZE4245 12V 3,2kW z10
V-SERIE	433	D-155		MS 276	IS0895	11130895	3218 192 EX	AZJ3317 12V 2,7kW z11
V-SERIE	433	D-155		MS 223	IS1384	11132154	3218 192 EX	AZE4239 12V 3,2kW z11
CATERPILLAR								
16G/245	Graders/ Excavators	Caterpillar 3406		MS 77	IS1183	11131907	0R 2187	AZG4689 24V 9kW z11
ENGINES	3408	3408		MS 61	IS1178	11131904	0R 2191	AZG4686 12V 6,5kW z11
ENGINES	3306	3306		MS 75	IS1179	11131905	0R 2186	AZG4687 24V 9kW z12
CITROEN								
AX	1	C1A		MS 182	IS0529	11130965	91 508 664	AZE1212 12V 0,9kW z9
AX	1.4D	K9A		MS 344	IS0787	11130787	95 656 490	AZE2548 12V 1,4kW z9
XSARA/C3	1.8i,i 16V,i 16V Break/ 1.6i 16V	L6A(XU7JP), LFX(XU7JB)/ NFU(TU5JP4)		MS 40	IS9404	11139404	5802 A1	AZD3515 12V 1,2kW z9
XANTIA	2.1D Turbo Break	P8C,PSA		MS 150	IS0642	11130642	91 040 098	AZE2521 12V 1,7kW z11
XSARA	1.8i Break	LFX,LFZ,L6A		MS 283	IS0716	11130716	95 041 033	AZE2534 12V 1,4kW z11
XSARA	2.0HDi Coupe	RHY,RHZ		MS 112	IS1075	11131232	91 536 044	AZE2151 12V 1,4kW z11
XSARA	2.0i,i 16V,i 16V Break	RFS(XU10J4RS), RFV(XU10J4R)		MS 253	IS9402	11139402	5802 88	AZD3513 12V 1,1kW z9
C5	2.0HDI, HDI Break	RHS;RHY;RHZ		MS 32	IS1145	11131986	5802 W7	AZE6559 12V 2,6kW z10
JUMPER	2.5D,TD,TD i	T8A(DJ5T); T9A(DJ5); THX(DJ5TED)		MS 31	IS1146	11131985	5802 F6	AZE6558 12V 2,6kW z9
JUMPER	3.0 HDi 160			MS 454	IS1269	11131476	5802 Z0	AZE6513 12V 2,6kW z9
JUMPER	2.8D	8140 63		MS 11	IS9436	11139443	5802 V4	AZE4142 12V 2,2kW z9
JUMPER	2.8 HDi	8140 43s		MS 453	IS9450	11139460	5802 AQ	AZE2230 12V 2,3kW z9
CLAAS								
ARES	610, 620, 630, 640	DPSG-6.059D		MS 358	IS0739	11130739	6005706640	AZJ3261 12V 3,1kW z10
ARION	610 C	DPS 6-cyl 130HP		MS 45	IS1055	11131929	11271610	AZF4253 12V 3kW z10
ARION	410 CIS	DPS 4-cyl 113HP		MS 44	IS1369	11131855	77 00 066 115	AZF4227 12V 3kW z10
AXION	810	FPT, 153kW; 6-cyl, Tier 4		MS 143	IS1376	11132047	2157 630 1	AZF4281 12V 4,2kW z10

MOTORES DE PARTIDA | ITENS SOB CONSULTA

MOTORES DE ARRANQUE | ITENS A CONSULTAR

APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSIÓN	MOTOR		REF. MAHLE LETRIKA	REF. LETRIKA	REF. EO	FAMÍLIA FAMILIA	TENSÃO TENSIÓN
AXOS	310	1104D-44T; 55kW; Tier 3	MS 37	IS1221	11131930	00 11 050 550	AZF4254	12V 4,2kW z10
CERES	65, 70, 70X	D2226.3	MS 351	IS0669	11130669	77 00 046 893	AZJ3218	12V 2,7kW z9
COMBINES	MERCATOR 60	KHD-F6L912	MS 220	IS0552	11130552	6005016395	AZJ3170	12V 3kW z9
COMBINES	DOMINATOR 105	MB-OM360.930	MS 516	IS9008	11139008	132 245 0	AZK5168	12V 3,6kW z9
COMBINES	DOMINATOR 106	MB-OM401E	MS 531	IS9017	11139017	180 944 0	AZK5176	12V 3,6kW z9
CUMMINS								
B SERIES	6BT		MS 242	IS1140	11131359	3 675 204	AZF4594	24V 4kW z10
ENGINE	B-Series		MS 6	IS1307	11131935	3 103 915	AZG4695	12V 5,5kW z11
L SERIES	10.0L		MS 77	IS1183	11131907	107 173	AZG4689	24V 9kW z11
V SERIES			MS 61	IS1178	11131904	121 609	AZG4686	12V 6,5kW z11
V SERIES			MS 75	IS1179	11131905	3 011 895	AZG4687	24V 9kW z12
DAF								
95	.310ATi	WS225	MS 497	IS9025	11139025	365211R	AZK5184	24V 5,4kW z11
95	.310	WS225ATi	MS 518	IS9111	11139124	85342	AZK5473	24V 5,4kW z11
A	1902DT	DT615	MS 573	IS9024	11139024	239858	AZK5183	24V 5,4kW z11
F.	2800DKS	DKS1160	MS 457	IS9026	11139026	241707	AZK5185	24V 5,4kW z11
SB201	DKDL	DKDL1160	MS 527	IS9056	11139065	241789	AZK5420	24V 5,4kW z11
TRUCKS			MS 513	IS9070	11139079	293020	AZK5433	24V 5,4kW z11
TRUCKS			MS 104	IS9149	11139165	1284775	AZJ3452	24V 6,2kW z11
XF 95	380	XF280M	MS 462	IS9147	11139163	1317220	AZJ3448	24V 6,2kW z11
DEUTZ AG (KHD)								
F6L413			MS 530	IS9079	11139088	0117 3432	AZK5440	24V 6,6kW z11
BF4L912			MS 577	IS9036	11139042	0116 1473	AZK5402	24V 5,4kW z9
DL	750	F4L514F	MS 511	IS9061	11139070	0117 0389	AZK5425	24V 5,4kW z13
F2L411	D		MS 313	IS0612	11130612	0130 3920	AZJ3192	12V 2,7kW z9
AGROTRON	4.70 MK1	BF4M1012E; 68HP	MS 446	IS0841	11130841	0117 8026	AZF4514	12V 3kW z9
TCD2013 L6 4V		6-Cyl	MS 70	IS1238	11131865	0118 2986	AZF4232	24V 4kW z9
DS	DS 310	BF4L2011; 55kW	MS 29	IS1231	11131950	0118 2386	AZE6556	12V 2,6kW z9
F6L413			MS 470	IS9058	11139067	0117 1956	AZK5422	24V 5,4kW z11
DX	6.50,A	BF6L913	MS 108	IS0619	11130619	0116 3758	AZJ3196	12V 3,7kW z9
DX	250	BF6L413FR	MS 575	IS9069	11139078	0117 4635	AZK5432	24V 5,4kW z11
F8L413			MS 484	IS9003	11139003	0116 3558	AZK5163	24V 5,4kW z11
F8L714			MS 559	IS9001	11139001	0116 2639	AZK5523	24V 6,6kW z9
BF6L912			MS 386	IS0491	11130491	0116 1422	AZJ3132	24V 4kW z9
DX	110	F6L912	MS 220	IS0552	11130552	0116 1384	AZJ3170	12V 3kW z9
DX	6.05	F6L912	MS 308	IS0567	11130567	0117 9318	AZJ3179	12V 3,1kW z9
BF4L1011			MS 30	IS1072	11131951	0118 0180	AZE4202	12V 3,2kW z11
F6L413			MS 493	IS9002	11139002	0117 4633	AZK5162	24V 5,4kW z11
BF6M716			MS 477	IS9050	11139059	0117 0057	AZK5528	24V 6,6kW z11
M	85D7K	F4L514	MS 498	IS9064	11139073	0117 0738	AZK5427	24V 5,4kW z9
F8L714			MS 559	IS9001	11139001	0117 0947	AZK5523	24V 6,6kW z9
M	126D11/12/15AK	F6L613	MS 488	IS9063	11139072	0291 3957	AZK5530	24V 5,4kW z9
COMBINES 60 SERIE	6060 HTS	TCD6, 1 L6; 211kW; Tier 4i	MS 69	IS1239	11131864	0118 2974	AZF4231	12V 4kW z9
FENDT								
FARMER	3S	MWM-D208-4	MS 313	IS0612	11130612	F 139 900 060	AZJ3192	12V 2,7kW z9
FARMER	270P	KHD-F4L912; 70HP	MS 446	IS0841	11130841	F 514 900 060 040	AZF4514	12V 3kW z9
FARMER	309CA	Deutz BF4M 1012E; 95HP	MS 308	IS0567	11130567	F 119 900 060 010	AZJ3179	12V 3,1kW z9
F	231GT	D-325-3; 35HP	MS 351	IS0669	11130669	F 135 902 060 01	AZJ3218	12V 2,7kW z9
FAVORIT	4S	MWM D225-6; 80HP	MS 353	IS0670	11130670	F 514 900 060 040	AZJ3219	12V 3kW z9
FAVORIT	816	D0826L1; 170HP	MS 439	IS0730	11130730	F 926 900 060 041	AZF4509	24V 4kW z11
FAVORIT	4S	MWM D225-6; 80HP	MS 394	IS1388	11132155	F 135 902 060 01	AZE4240	12V 3,2kW z9
FIAT								
90	NC	8060.02.	MS 387	IS0492	11130492	4763995	AZJ3133	24V 4kW z9
50	F10	OM-8340.04.250	MS 186	IS0490	11130490	4706008	AZJ3131	24V 4kW z9
130	NC/14	OM-CP3/42.300	MS 177	IS0364	11130364	4755113	AZJ3593	24V 4kW z9
65	46	8045.06.220,320	MS 195	IS0403	11130403	2022506	AZJ3110	12V 3kW z9
90	90	8055.05.200	MS 278	IS0366	11130697	4713806	AZJ3237	12V 3kW z9
FIORINO	900	903..Nr.6761373	MS 382	IS0586	11130967	4229113	AZE1214	12V 0,9kW z9

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MOTORES DE PARTIDA | ITENS SOB CONSULTA

MOTORES DE ARRANQUE | ITENS A CONSULTAR



APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSIÓN	MOTOR		REF. MAHLE LETRIKA	REF. LETRIKA	REF EO	FAMÍLIA FAMILIA	TENSÃO TENSIÓN
UNO	70SX	138B2	MS 181	IS0519	11130964	4198600	AZE1211	12V 0,9kW z9
147	1,3		MS 370	IS0994	11130994	465217870	AZE1217	12V 0,9kW z11
160	NC,NT,T,U		MS 492	IS9045	11139051	4201542	AZK5411	24V 6,6kW z11
DOBLO CARGO	1.3 JTD	199A2.000,223A9.000	MS 35	IS1286	11131902	33353237	AZD2125	12V 1,1kW z9
BRAVO	2.0 20V	182 A 1.000	MS 173	IS9426	11139433	46231545	AZE2204	12V 1,1kW z9
STILO	1.9JTD	192A3.000,A1.000	MS 373	IS0997	11130997	46430784	AZE2111	12V 2,1kW z9
DAILY/GRINTA	49-10Turbo	Sofim-8140.21.214	MS 187	IS0500	11130500	4711699	AZJ3137	12V 2,7kW z9
DOBLO	1.9D	223 A 6.000	MS 372	IS0996	11130996	46437520	AZE2110	12V 2kW z9
DUCATO	2.5 TD	8140-47	MS 454	IS1269	11131476	1329201080	AZE6513	12V 2,6kW z9
DUCATO 18	2.0i.e.,i.e. Bipower	RFL(M1),RFL(M2/DECAT.)	MS 253	IS9402	11139402	11139402	AZD3513	12V 1,1kW z9
DUCATO 10	2.5 D, DT ECO, TD EGR	8140.47, 8140.47R, 8140.67	MS 11	IS9436	11139443	1300198080	AZE4142	12V 2,2kW z9
DUCATO 11	2.3 JTD, JTD EGR	F1AE0481C	MS 453	IS9450	11139460	1347058080	AZE2230	12V 2,3kW z9
FORD								
TRANSIT 95	2.5D 100	4FA Kat, 4FB, 4FC, 4HA Kat, 4HB	MS 318	IS0769	11130769	1 653 206	AZJ3279	12V 2,7kW z12
MONDEO	1.8TD	FLH/STH	MS 378	IS0647	11130647	5 023 431	AZE2523	12V 1,7kW z10
CARGO	1317	KHD-F6L413F	MS 589	IS9080	11139089	6 114 855	AZK5441	24V 6,6kW z11
COURIER	1.8D	RTC,RTG	MS 56	IS9332	11139411	1 008 813	AZE4102	12V 2,2kW z10
ESCORT	1.6i	CVH EFHC	MS 179	IS0483	11130963	1 591 213	AZE1210	12V 0,9kW z10
ESCORT 95	1.6i 16V	L1H,L1K	MS 284	IS0717	11130717	1 057 652	AZE2535	12V 1,4kW z10
E-SERIES	PICKUPS	8-Cyl (363ci)	MS 52	IS9420	11139426	3C 3U 11000 AA	AZE4639	12V 3,2kW z12
F-SERIES	F-250 Super Duty	445cid Diesel; 8-cyl	MS 201	IS9451	11139335	1C 24 11000 AA	AZE4675	12V 3kW z12
FIESTA	1.25i 16V	DHA(ZH12,Zetec-SE)	MS 410	IS1175	11131623	1 011 330	AZD2109	12V 1,1kW z10
MEDIUM&HEAVY DUTY	MH Serie MACK E9/EC9		MS 61	IS1178	11131904	C7 TF 11000B	AZG4686	12V 6,5kW z11
MONDEO III	2.0 16V Di;TDDi	D6BA;D5BA	MS 422	IS9418	11139459	0 255 CB	AZE2226	12V 2,2kW z19
TRANSIT	2.5TD	4HA,4HD	MS 129	IS9331	11139410	1 027 928	AZE4101	12V 2,3kW z13
HYUNDAI								
GALLOPER II	2.5 TD		MS 233	IS9407	11139413	36100-42011	AZE4635	12V 2,3kW z13
JEEP (AMC)								
CHEROKEE	2,5		MS 54	IS9422	11139429	8 9330 0418 0	AZE2197	12V 1,4kW z9
IVECO								
80	13A..	KHD-BF6L913T	MS 108	IS0619	11130619	1163758	AZJ3196	12V 3,7kW z9
150	E27	OM8360.46.417TCA	MS 329	IS1029	11131086	4854185	AZJ3375	24V 4kW z10
160	30AH	KHD-BF8L513	MS 566	IS9013	11139013	42498250	AZK5173	24V 5,4kW z11
180	E30	846.41C.320	MS 459	IS9104	11139117	4784747	AZK5466	24V 5,4kW z11
180	E42	Fiat-8210.42L.400	MS 456	IS9124	11139137	4839041	AZK5484	24V 6,6kW z11
240	E42	8210.42L.400	MS 562	IS9140	11139154	500325103	AZK3401	24V 6,6kW z11
470	.12.20	8220.12.001	MS 471	IS9019	11139019	42498148	AZK5178	24V 5,4kW z11
75	E14	Fiat-8040.45.4180	MS 389	IS0216	11130216	42498142	AZJ3542	24V 3,2kW z9
60	E12	Fiat-8040.25X.4000	MS 448	IS1390	11132158	42498142	AZE4243	24V 3,5kW z9
330	-36H	Fiat-8210.42R.269	MS 537	IS9011	11139011	42498185	AZK5171	24V 6,6kW z11
AIFO-8281	.22.052SM		MS 533	IS9122	11139135	4936699	AZK5482	24V 6,6kW z11
30	M2, M4	8035.05.377	MS 388	IS0203	11130203	500338953	AZJ3538	12V 2,7kW z9
DAILY/GRINTA	49-10Turbo	Sofim-8140.21.200	MS 187	IS0500	11130500	4856055	AZJ3137	12V 2,7kW z9
DAILY 2000	C35C10/12	F1AE0481A/B	MS 114	IS1164	11131560	42498717	AZE6526	12V 2,6kW z9
DAILY 2000	35 C 11, 50 C 11, 65 C 11	8149.03..., 8149.03.4000	MS 13	IS9438	11139445	42498678	AZE4144	12V 2,2kW z9
DUCATO	2.5 TD	8140-47	MS 454	IS1269	11131476	8029647	AZE6513	12V 2,6kW z9
DUCATO 11	2.3 JTD, JTD EGR	F1AE0481C	MS 453	IS9450	11139460	551959670	AZE2230	12V 2,3kW z9
EUROCARGO	1E+17	8060.45R.5001/ 5000/ 5003/ 5005	MS 248	IS1169	11131452	500325137	AZF4121	24V 4kW z9
EUROCARGO	100 E17	F4AE0481A°C	MS 100	IS1264	11131846	2995986	AZF4237	24V 4kW z10
EUROCARGO	120 E 18	F4AE3481..A/B/C/D	MS 139	IS1277	11131501	504120738	AZF4646	24V 4kW z10
EUROCARGO	180 E 21	8060.45.41...	MS 198	IS9154	11139170	2995988	AZG4836	24V 5,5kW z10
65	E14	Fiat-8040.45.4000	MS 389	IS0216	11130216	504038038	AZJ3542	24V 3,2kW z9
TRUCKS			MS 500	IS9125	11139138	61317531	AZK5485	24V 6,6kW z11
TRUCKS			MS 556	IS9126	11139139	500325102	AZK5486	24V 6,6kW z11
TRUCKS			MS 485	IS9130	11139143	4830293	AZK5490	12V 3,6kW z9
TRUCKS			MS 489	IS9131	11139144	98424754	AZK5491	12V 3,6kW z11

MOTORES DE PARTIDA | ITENS SOB CONSULTA

MOTORES DE ARRANQUE | ITENS A CONSULTAR

APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSION	MOTOR		REF. MAHLE LETRIKA	REF. LETRIKA	REF EO	FAMÍLIA FAMILIA	TENSÃO TENSION
JCB								
EXCAVATORS	805	Perkins 4.236	MS 395	IS1378	11132159	26358	AZE4244	12V 3,2kW z10
BACKHOE LOADERS	3CX-4	Perkins 4.236	MS 347	IS0526	11130526	714/29300R	AZJ3151	12V 2,8kW z10
EXCAVATORS	807C	Perkins 6-354	MS 295	IS1160	11131575	714/29300R	AZF4148	12V 4,2kW z10
EXCAVATORS	820	Perkins 6-354	MS 21	IS1377	11132160	26294	AZE4245	12V 3,2kW z10
JOHN DEERE								
ARTICULATED DUMP TRUCKS	370E	6135HDW05	MS 212	IS1259	11132020	RE540886	AZG4813	24V 6,5kW z12
COMBINES	MD1032		MS 334	IS0533	11130533	AL41247	AZJ3157	12V 2,7kW z10
COMBINES	MD925	3.164DZ-02	MS 312	IS0534	11130534	AR70436	AZJ3158	12V 3kW z10
FARM	3040	6359	MS 264	IS0569	11130819	AL110503	AZJ3283	12V 3,1kW z10
ENGINES	3029	3-cyl	MS 96	IS1088	11131376	RE503118	AZF4106	24V 4kW z10
ENGINES	4045...	4-cyl	MS 292	IS1103	11131788	RE521488	AZE4654	12V 3,2kW z10
GRADERS	770A		MS 75	IS1179	11131905	RE28782	AZG4687	24V 9kW z12
HARVESTERS	5730	619D	MS 76	IS1182	11131906	AR102188	AZG4688	12V 6,5kW z12
ENGINES	3029DF/TF	3-cyl.	MS 240	IS1323	11131885	RE507236	AZE4189	12V 3,2kW z10
FARM	6415	4045TJ04 (AM. LATINA)	MS 238	IS1032	11131389	RE517134	AZG4637	12V 5kW z10
FARM	6140 J	6068... (USA)	MS 416	IS1157	11131237	AL70852	AZF4570	12V 4,2kW z10
FARM	5100 M/MH	4045HL286 (EU)	MS 419	IS1300	11131883	RE500819	AZF4240	12V 3,4kW z10
LOADERS	444G/H		MS 237	IS0745	11131388	RE501769	AZJ3426	24V 4kW z10
HARVESTERS	7700	6-765 Diesel	MS 103	IS1355	11132226	RE501862	AZG4827	12V 5,5kW z12
TRACK LOADERS	CT315	JD4024; 49HP	MS 221	IS1154	11131750	RE508922	AZE6544	12V 2,6kW z10
LANDINI								
10000S		A6.354.4	MS 345	IS0509	11130509	3542 185 M91	AZJ3144	12V 2,8kW z10
14500		AT6.354.4	MS 294	IS1159	11131574	3542 185 M91	AZF4147	12V 4,2kW z10
ATLAS	70	Perkins 1004-40	MS 395	IS1378	11132159	3542 185 M91	AZE4244	12V 3,2kW z10
4068	Serie 60	Perkins 1004.42	MS 273	IS0890	11130890	3650 746 M91	AZJ3315	12V 2,6kW z10
ATLANTIS	100	Perkins 1004-40T	MS 282	IS0872	11130872	3542 185 M93	AZJ3305	12V 2,8kW z10
6060		T3.1524	MS 267	IS0520	11130520	3539 389 M91	AZJ3148	12V 2,7kW z10
GLOBUS	55 TOP	Perkins 903-27	MS 204	IS1393	11132165	3539 389 M91	AZE4247	12V 3,2kW z10
BLIZZARD		Perkins 1004-42	MS 307	IS0875	11130875	3648 190 M92	AZJ3306	12V 2,8kW z10
LIEBHERR								
CRAWLER EXCAVATORS	R971	KHD-F8L413V	MS 493	IS9002	11139002	600 08 87	AZK5162	24V 5,4kW z11
MAGIRUS-DEUTZ								
230SH	110	F8L413F	MS 566	IS9013	11139013	812 1335	AZK5173	24V 5,4kW z11
MAN								
11 t	11.136HAK	Saviem-797.03	MS 331	IS0598	11130598	81 26201 9013	AZJ3188	24V 4kW z10
11 t	11136	Bussing-D0216MXUL	MS 443	IS0944	11130944	81 26201 9013	AZF4527	24V 4kW z10
11 t	11.220HOCL	D0826LUH12	MS 465	IS9114	11139127	51 26201 7151	AZK5476	24V 5,4kW z9
13 t	13.230F	D2356HMXN-061	MS 527	IS9056	11139065	51 26201 7062	AZK5420	24V 5,4kW z11
16 t	16.240HOC,HOCL	D2566MHO	MS 547	IS9023	11139023	51 26201 7108	AZK5182	24V 5,4kW z9
20 t	22.304FVS, FN	D2858MX-090	MS 507	IS9016	11139016	51 26201 7034	AZK5175	24V 5,4kW z11
27 t	27.365VFAEG	D2840MFG	MS 567	IS9018	11139018	51 26201 7107	AZK5177	24V 6,6kW z9
27T	27.365VFAEG	D2840MFG	MS 579	IS9082	11139091	51 26201 7091	AZK5443	24V 6,6kW z9
17 t	17.232FL	D0826LF02	MS 435	IS0729	11130729	51 26201 7140	AZF4508	24V 4kW z10
4 t - 48 t	220	D0826LOH, LOH15, 19	MS 439	IS0730	11130730	51 26201 7143	AZF4509	24V 4kW z11
6 t	6.100F	D0824GF,01,02	MS 321	IS0537	11130537	51 26201 7095	AZJ3160	24V 4kW z10
10 t	10.150F	D0826GF01,03	MS 356	IS0626	11130626	51 26201 7085	AZJ3199	24V 4kW z11
535	HO-R9/10, Ü9/10	D0846HM91H	MS 467	IS9065	11139074	51 26201 7004	AZK5428	24V 5,4kW z9
26 t	TGA 26.330DA	D0836LFL44	MS 423	IS1260	11131881	51 26201 7193	AZF4238	24V 4kW z11
18 t	TGM 18.240L	D0836LFL40	MS 424	IS1261	11131882	51 26201 7223	AZF4239	24V 4kW z10
19 t	19.320U, UL	BÜSSING-D3256BTXUL	MS 559	IS9001	11139001	51 26201 6200	AZK5523	24V 6,6kW z9
22 t	22.320UNL	Bussing-D3256BTXUL	MS 491	IS9015	11139015	88 26201 6200	AZK5524	24V 5,4kW z9
19 t	19.302FA(F/U90)	D2866LF04	MS 555	IS9035	11139041	51 26201 7061	AZK5401	24V 5,4kW z9
19 t	19.502F/FL(F/U90)	D2840LF01, D2840LF04	MS 490	IS9032	11139032	51 26201 7057	AZK5191	24V 6,6kW z9
Trucks			MS 532	IS9043	11139049	88 26201 6003	AZK5409	24V 6,6kW z9
Trucks			MS 469	IS9067	11139076	51 26201 7013	AZK5430	24V 5,4kW z9
Trucks			MS 521	IS9138	11139152	51 26201 7132	AZK5498	24V 6,6kW z9

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MOTORES DE PARTIDA | ITENS SOB CONSULTA

MOTORES DE ARRANQUE | ITENS A CONSULTAR



APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSIÓN	MOTOR	REF. MAHLE LETRIKA	REF. LETRIKA	REF. EO	FAMÍLIA FAMILIA	TENSÃO TENSIÓN
MASSEY-FERGUSON							
MF 550		Perkins AD3.152	MS 267	IS0520	11130520 3597 371 M2	AZJ3148	12V 2,7kW z10
MF 6000	Series	Perkins AD4.203	MS 204	IS1393	11132165 1680 064 M1	AZE4247	12V 3,2kW z10
MF 3065	Tractor	Perkins AT4.236	MS 345	IS0509	11130509 1691 806 R1	AZJ3144	12V 2,8kW z10
MF 9500	Series Tractor	Perkins A6.354	MS 294	IS1159	11131574 1447 731	AZF4147	12V 4,2kW z10
MF 254	Tractor	Perkins AD3.152	MS 343	IS0711	11130711 1680 064 M1	AZJ3248	12V 1,8kW z10
MF 8280		645.142DSBIE	MS 347	IS0526	11130526 2873 001 T	AZJ3151	12V 2,8kW z10
MF 8120		1006-6T	MS 295	IS1160	11131575 2873 001 T	AZF4148	12V 4,2kW z10
MF 6180		1006-6T	MS 21	IS1377	11132160 2873 001 T	AZE4245	12V 3,2kW z10
MF 294	AS,ASK,C,S	Perkins A4.248	MS 385	IS0629	11130629 2873 002 T	AZJ3203	12V 2,8kW z10
MF 690	Tractor 9TD/10TD	Perkins A4.248	MS 395	IS1378	11132159 1691 806 R1	AZE4244	12V 3,2kW z10
MF 700C		Hanomag-D963K	MS 511	IS9061	11139070 2871 840 M92	AZK5425	24V 5,4kW z13
MF 560		Perkins AT6.354.4	MS 149	IS0632	11130632 168 065 M3	AZJ3206	12V 2,8kW z10
MF 360		Perkins AT3.152	MS 206	IS1395	11132167 168 065 M3	AZE4249	12V 3,2kW z10
MF 2620	Tractor FWD	Perkins A6.354.4	MS 348	IS0896	11130896 1618 050 M14	AZJ3318	12V 2,8kW z10
MF 298	10T 2.1kW	Perkins A4.318	MS 95	IS1273	11131635 1691 806 R1	AZJ3447	12V 2,7kW z10
MERCEDES-BENZ							
11 t	OF1113	OM352.997,998	MS 509	IS9009	11139009 003 151 57 04	AZK5169	24V 5,4kW z9
6 t	LP608	OM314.910,944	MS 512	IS9007	11139007 001 151 36 01	AZK5167	12V 3,6kW z9
ACTROS	1831,AK,L	OM541.920,926LA	MS 405	IS1251	11131449 005 151 50 01	AZG4641	24V 6,5kW z12
ACTROS	1832	OM541.940	MS 473	IS9142	11139158 004 151 94 01	AZJ3438	24V 6,2kW z11
ACTROS	1831,AK,L	OM541.920,926LA	MS 558	IS9144	11139160 005 151 50 01	AZJ3440	24V 6,2kW z11
O 370	RSD	OM355/6A,LA	MS 559	IS9001	11139001 001 151 39 01	AZK5523	24V 6,6kW z9
O 370	RSD	OM355/6A	MS 491	IS9015	11139015 001 151 39 01	AZK5524	24V 5,4kW z9
OM	352A		MS 588	IS9117	11139130 003 151 58 01	AZK5478	24V 6,6kW z9
UNIMOG	U900	OM366.939	MS 280	IS0751	11130751 002 151 57 01	AZJ3269	12V 3kW z9
INTEGRO	O 550	OM447HLA Euro3	MS 463	IS9143	11139159 457 151 03 01	AZJ3439	24V 6,2kW z11
SERIE S	500 COUPE, SE, SEC	M 119.970, 980	MS 122	IS9429	11139436 003 151 79 01	AZE2207	12V 2,2kW z10
SERIE SL	320	M 104.991	MS 123	IS9430	11139437 003 151 50 01	AZE2208	12V 1,7kW z10
SERIE SLK	32 AMG KOMPRESSOR	M112.960	MS 171	IS9424	11139431 005 151 65 01	AZE2199	12V 1,4kW z10
SPRINTER	413 CDI	OM 611.981 DELA	MS 121	IS9428	11139435 004 151 63 01	AZE2206	12V 2kW z10
16 t	1638LS	OM422.953,955,959LA	MS 490	IS9032	11139032 001 151 97 01	AZK5191	24V 6,6kW z9
UNIMOG	U500	OM906.955LA(Euro3)	MS 199	IS1418	11132194 004 151 93 01	AZF4329	12V 4,2kW z9
TRUCKS			MS 505	IS9128	11139141 003 151 44 01	AZK5488	12V 3,6kW z9
UNIMOG	U34/411A,B,C	OM636.914	MS 109	IS0620	11130620 001 151 91 01	AZJ3197	12V 2,7kW z9
MWM-DIESEL							
D225	4		MS 353	IS0670	11130670 6 0572 01 0 0083	AZJ3219	12V 3kW z9
TD229	-6		MS 394	IS1388	11132155 6 0572 01 0 0071	AZE4240	12V 3,2kW z9
D232	12		MS 552	IS9057	11139066 6 0572 01 0 0043	AZK5421	24V 6,6kW z9
TBD233	V12		MS 577	IS9036	11139042 6 0572 05 2 0005	AZK5402	24V 5,4kW z9
D325	-3		MS 313	IS0612	11130612 6 0572 01 0 0049	AZJ3192	12V 2,7kW z9
NEW HOLLAND							
8000-SERIE	8830	8365.25T	MS 176	IS1434	11132325 500325146	AZF4362	12V 4,2kW z9
CX720			MS 440	IS0941	11130941 843 341 62	AZF4524	12V 3kW z10
FARM	3010S	3-165 Ford Diesel	MS 78	IS1263	11131603 829 807 57	AZE6531	12V 2,6kW z9
TC54		NH675T/WN/WP	MS 268	IS0659	11130659 840 366 31	AZJ3212	12V 3,6kW z10
PERKINS							
T3.1524			MS 205	IS1394	11132166 2873A104	AZE4248	12V 3,2kW z10
AT3.152			MS 204	IS1393	11132165 2873A012 T	AZE4247	12V 3,2kW z10
1104D	E44T	4 cyl	MS 401	IS1194	11131783 2873K607	AZF4205	12V 4,2kW z10
1106C	E60TA	6 cyl	MS 400	IS1193	11131782 2873K601	AZF4204	12V 4,2kW z10
404C-22T	4R 44,7kW	4-cyl	MS 241	IS1100	11131265 2834752	AZE2156	24V 2,5kW z9
1004-40	,T		MS 282	IS0872	11130872 1447 834 M91	AZJ3305	12V 2,8kW z10
1104D	E44T	4 cyl	MS 403	IS1202	11131784 2873K604	AZF4206	12V 4,2kW z10
1004-40	,T		MS 395	IS1378	11132159 1447 834 M91	AZE4244	12V 3,2kW z10
PEUGEOT							
306	1.6i Cabriolet	NFZ	MS 182	IS0529	11130965 5802 98	AZE1212	12V 0,9kW z9

MOTORES DE PARTIDA | ITENS SOB CONSULTA

MOTORES DE ARRANQUE | ITENS A CONSULTAR

APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSION	MOTOR		REF. MAHLE LETRIKA	REF. LETRIKA	REF EO	FAMÍLIA FAMILIA	TENSÃO TENSION
106	1,4	TUD3 Kat.	MS 344	IS0787	11130787	5802 E9	AZE2548	12V 1,4kW z9
306	1.6i	NFZ(TU5JP)	MS 40	IS9404	11139404	5580 98	AZD3515	12V 1,2kW z9
206	1.9D	WJY,WJZ	MS 112	IS1075	11131232	5802 Q5	AZE2151	12V 1,4kW z11
406	2.0i 16V Coupe	XU10J4R	MS 283	IS0716	11130716	5802 C0	AZE2534	12V 1,4kW z11
BOXER	2.5D,TD,TD i	T8A(DJ5T); T9A(DJ5); THX(DJ5TED)	MS 31	IS1146	11131985	14 754 890	AZE6558	12V 2,6kW z9
BOXER	2.8 D TURBO	8140 43	MS 11	IS9436	11139443	5802 V4	AZE4142	12V 2,2kW z9
BOXER	2.8 HDi	8140 43s	MS 453	IS9450	11139460	5802 AQ	AZE2230	12V 2,3kW z9
BOXER I	2.8 HDi	8140-43S	MS 454	IS1269	11131476	5802 Z0	AZE6513	12V 2,6kW z9
607	2.2HDI	4HX,DW12TED4	MS 150	IS0642	11130642	5558 36	AZE2521	12V 1,7kW z11
406	2.2HDI COUPÉ	4HX(DW12TED)	MS 32	IS1145	11131986	5802 W7	AZE6559	12V 2,6kW z10
406	2.0i 16V, Break,Coupé	RFV(XU10J4R)	MS 253	IS9402	11139402	5802 38	AZD3513	12V 1,1kW z9
RENAULT								
110	150	798-20	MS 331	IS0598	11130598	00 25 841 044	AZJ3188	24V 4kW z10
AGORA		MIDR06.20.45F/3	MS 502	IS9030	11139030	00 28 115 085	AZK5189	24V 6,6kW z12
CBH	280 6x6	MIDS06.35.40D	MS 517	IS9123	11139136	50 10 149 808	AZK5483	24V 6,6kW z12
CLIO	1.8i 16V	F7P722 KAT.	MS 377	IS0646	11130646	77 00 735 712	AZE2522	12V 1,7kW z10
CLIO	1,1	C1E700	MS 375	IS0956	11130956	00 00 434 120	AZE1209	12V 0,9kW z10
MEGANE	2.0i Coupe 16V	F7R710	MS 376	IS0957	11130957	77 00 352 050	AZE2101	12V 1,4kW z9
TWINGO	1.2i	D7F706	MS 131	IS1047	11131088	77 00 864 608	AZE1225	12V 0,9kW z9
MEGANE	2.0i Coupe	F3R 751,791	MS 39	IS9403	11139403	77 00 272 374	AZD3514	12V 1,2kW z10
LAGUNA GRANDTOUR	2.0i	F3R611; 722; 723; 728; 729; 768; 769	MS 8	IS9416	11139422	77 00 106 426	AZD3523	12V 1,4kW z11
KANGOO EX.,RAPID	1.6 i, i 4x4	K4M 750; K4M 752; K4M 753	MS 17	IS9441	11139449	77 00 104 674	AZE1244	12V 0,8kW z8
CS SERIES	Midliner	Mack Engine	MS 444	IS0945	11130945	50 10 306 412	AZF4528	12V 4,2kW z10
MASTER II	1.9 dCi	F9Q722	MS 9	IS9417	11139423	77 00 113 622	AZE2188	12V 1,9kW z11
LAGUNA	2.0i 16V	N7Q 700;704	MS 7	IS9415	11139421	77 00 865 985	AZD3522	12V 1,1kW z9
LAGUNA II	1,6	K4M.711	MS 80	IS9442	11139450	77 11 135 335	AZE1245	12V 0,8kW z8
TWINGO	1.2i	C3G700/702	MS 324	IS0790	11130790	77 00 858 442	AZE1203	12V 0,9kW z9
RENAULT AGRICULTURE								
106-54	TL/TM/TRACFOR	MWM-D226B6	MS 351	IS0669	11130669	77 00 046 893	AZJ3218	12V 2,7kW z9
RENAULT AGRICULTURE/CLAAS								
601-4		PERKINS-D4.203	MS 267	IS0520	11130520	60 05 007 548	AZJ3148	12V 2,7kW z10
501-4		PERKINS-D3.152	MS 204	IS1393	11132165	60 05 007 548	AZE4247	12V 3,2kW z10
70-34	PA/PE/PS/PX	PERKINS-4.236	MS 345	IS0509	11130509	60 05 003 154	AZJ3144	12V 2,8kW z10
CERES 75X	2X4/4X4	Perkins-4.236	MS 294	IS1159	11131574	60 05 003 154	AZF4147	12V 4,2kW z10
321-4		CARRARO-195	MS 274	IS0548	11130548	50 00 589 041	AZJ3166	12V 2,7kW z9
103-14	RE/RS/TS/TX	MWM-TD226.4	MS 339	IS0706	11130706	60 05 003 153	AZJ3244	12V 3,1kW z9
ARES 610	RX/RZ	DPSG-6059D	MS 358	IS0739	11130739	77 00 045 291	AZJ3261	12V 3,1kW z10
ARES 710	RZ	DPSG-6068T1	MS 45	IS1055	11131929	77 00 047 132	AZF4253	12V 3kW z10
103-14	RE/RS/TS/TX	MWM-TD226.4	MS 394	IS1388	11132155	60 05 003 152	AZE4240	12V 3,2kW z9
80S/480S	2X4/4X4	MWM-D327.3	MS 351	IS0669	11130669	60 05 003 152	AZJ3218	12V 2,7kW z9
70-12	F/LB/V	DEUTZ-F4L912	MS 220	IS0552	11130552	60 00 102 270	AZJ3170	12V 3kW z9
70-34	PA/PE/PS/PX	PERKINS-4.236	MS 395	IS1378	11132159	60 05 003 154	AZE4244	12V 3,2kW z10
TEMIS	610X/7	Iveco	MS 350	IS0937	11130937	77 00 052 677	AZJ3339	12V 3kW z9
SCANIA								
R	142	DS14.06 ,07, DSC14.01, 02, 05, 06	MS 560	IS9012	11139012	309220	AZK5172	24V 6,6kW z11
T	112	DS11	MS 460	IS9034	11139040	163394	AZK5199	24V 6,6kW z11
R	143	DSC14.16,14.13	MS 568	IS9059	11139068	225944	AZK5423	24V 6,6kW z11
SERIE 94	P, R 94/220, /230, /260, /300, /310	DC9.01(Euro3);DC9.02(Euro3)	MS 585	IS9146	11139162	1332903	AZJ3442	24V 6,7kW z11
SERIE 124	K124EB,IB,IB Hpi	DC12.01,12.02,12.03	MS 425	IS1190	11131910	1352290	AZG4692	24V 6,5kW z11
SERIE 114	T114/320,340,360	DSC11.74,11.75/DSC11.79	MS 524	IS9148	11139164	1357709	AZJ3450	24V 6,7kW z11
SERIE 114	P,R114/320,/340,/360	DSC11.79(Euro1)	MS 464	IS9145	11139161	1382290	AZJ3441	24V 6,7kW z11
SSANGYONG								
KORANDO	2.3 i 16V	M161E23(M111)	MS 421	IS9307	11139458	004 151 69 01	AZE2225	12V 1,4kW z9
VALTRA (VALMET)								
855		TD44DS8	MS 184	IS0179	11130179	VPF7008	AZJ3525	12V 3kW z11

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MOTORES DE PARTIDA | ITENS SOB CONSULTA

MOTORES DE ARRANQUE | ITENS A CONSULTAR



APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSION	MOTOR	REF. MAHLE LETRIKA	REF. LETRIKA	REF. EO	FAMÍLIA FAMILIA	TENSÃO TENSION
VOLKSWAGEN							
MICROBUS	1.9 WATERCOOLED	DG	MS 126	IS9433	11139440 111 911 023	AZE1243	12V 0,8kW z9
LT	28 2.4 D TURBO	1G	MS 10	IS9435	11139442 069 911 023 B	AZE4141	12V 2,2kW z10
LT	31D	CG(Perkins4.165)	MS 257	IS0514	11130514 061 911 023	AZJ3146	12V 3kW z11
GOLF II	1.6D Turbo	JR,MF,RA,SB,1V	MS 302	IS0722	11130722 068 911 023 E	AZE2536	12V 1,7kW z9
16 t	16.170BT (AM,AS,BR)	Cummins 6BTAA	MS 275	IS0750	11130750 TJJ 911 023 D	AZJ3268	12V 3kW z10
16 t	16.210CO (AM,AS,BR)	MWM.6.10TCA	MS 311	IS0784	11130784 2W0 911 023 A	AZJ3282	24V 4kW z10
14 t	14.170BT (AS,BR,D,DOM)	Cummins 6BTAA	MS 310	IS0783	11130783 TJJ 911 023 B	AZJ3281	12V 3kW z10
GOLF III	2.0 16V	ABF	MS 260	IS0775	11130775 02A 911 023 F	AZE2543	12V 1,4kW z10
PASSAT	2.0 (automatic)	ADY,2E	MS 371	IS0854	11130854 020 911 023 A	AZE2563	12V 1,4kW z9
POLO CLASSIC	1.6	AUR	MS 381	IS1040	11131054 020 911 023 F	AZE2623	12V 1,1kW z9
PASSAT	1.9TDI	AFN	MS 383	IS1041	11131055 02A 911 023 J	AZE2624	12V 2kW z10
GOLF IV VARIANT	2.0	APK,AQY	MS 406	IS1094	11131137 02A 911 023 L	AZE2634	12V 1,1kW z10
JETTA	2.0	ABA	MS 234	IS9409	11139415 020 911 023 A	AZD3519	12V 1,1kW z9
GOLF III	2.0 syncro	AGG	MS 81	IS9410	11139416 02A 911 023 F	AZE2185	12V 1,1kW z10
GOLF V	2.0 FSI	BLX, BLY	MS 124	IS9431	11139438 02Z 911 023 E	AZE2664	12V 1,1kW z10
POLO	1.9 D, SDI	AEF, AGD	MS 125	IS9432	11139439 085 911 023 A	AZE2665	12V 2kW z9
BUS	1.6D Turbo	JX	MS 285	IS0772	11130910 068 911 023 D	AZE2577	12V 1,7kW z9
MULTIVAN	2.8	AES	MS 384	IS1042	11131056 02B 911 023 A	AZE2625	12V 2kW z10
CALIFORNIA	1.8	PD	MS 412	IS1060	11131178 02B 911 023 A	AZE2640	12V 1,2kW z10
CALIFORNIA T5	2.5 TDI, TDI 4 Motion	AXD,AXE,BLJ,BNZ,BPC	MS 38	IS1285	11131676 02M 911 023 Q	AZE2668	12V 2kW z10
PASSAT	1.9 DieseTurbo	AAZ	MS 303	IS0723	11130723 020 911 023 B	AZE2537	12V 1,8kW z9
PASSAT	1.9 TDI	AHU/AFN	MS 304	IS0773	11130911 068 911 023 S	AZE2578	12V 1,7kW z9
PASSAT	1.9 Diesel Turbo	AAZ	MS 306	IS0844	11130913 02A 911 023 B	AZE2580	12V 1,7kW z10
SANTANA	2.0	JS	MS 57	IS9406	11139412 026 911 023	AZD3518	12V 1,1kW z9
PASSAT VARIANT	2.0 4 Motion	AZM	MS 82	IS9411	11139417 053 911 023	AZE2186	12V 1,2kW z9
GOLF III	1.9TDI	1Z	MS 305	IS0776	11130912 02A 911 023 G	AZE2579	12V 1,7kW z10
PASSAT	2.0 16V	9A	MS 227	IS0845	11130845 02A 911 023	AZE2558	12V 1,4kW z10
JETTA	2.8 VR6	AAA	MS 48	IS1043	11131057 020 911 023 D	AZE2626	12V 2kW z9
VOLVO							
N	12	TD121F,FD,G,GD	MS 526	IS9027	11139027 240340	AZK5186	24V 5,4kW z11
N	12	TD121GD,F	MS 553	IS9028	11139028 468202	AZK5187	24V 6,6kW z11
240	2.0 D	D 20	MS 10	IS9435	11139442 1257938	AZE4141	12V 2,2kW z10
N	7	TD70G	MS 325	IS0687	11130687 1676822	AZJ3231	24V 4kW z9
T861		TD60B	MS 322	IS0881	11130881 241599	AZJ3310	12V 3kW z9
LM621,641	(Loader 4WD)	D42A	MS 319	IS0766	11130766 243007	AZJ3277	24V 4kW z9
4500		TD70H	MS 499	IS9099	11139111 4774617	AZK5460	24V 5,4kW z9
A20		TD71G	MS 564	IS9105	11139118 4772059	AZK5467	24V 5,4kW z9
F	7	TD70FS	MS 269	IS0688	11130688 465482	AZJ3232	12V 3kW z9
F	12	TD123FH	MS 550	IS9053	11139062 422997	AZK5417	24V 5,4kW z11
LM218,TD		1113	MS 280	IS0751	11130751 240847	AZJ3269	12V 3kW z9
NB	86	D70B	MS 578	IS9083	11139092 240500	AZK5444	12V 3,6kW z9
N/NB	86T	TD70B	MS 536	IS9051	11139060 240502	AZK5416	24V 5,4kW z9
DR860		D50A	MS 482	IS9100	11139112 240525	AZK5461	12V 3,6kW z9
960	2.3i Turbo Interc.	B230FTKat.	MS 266	IS0777	11130777 1346707	AZE2545	12V 1,4kW z9
F	406	TD40A	MS 263	IS0811	11130811 1359119	AZJ3333	12V 2,7kW z9
F	16	TD162,F,FJ,FL,FS,TD163TD	MS 586	IS9031	11139031 1543375	AZK5190	24V 6,6kW z12
FH12-SERIE		D12A340	MS 466	IS9096	11139107 1547049	AZK5456	24V 6,6kW z12
FL7-SERIE	7	TD71F,FQ,TD71FS,FSQ	MS 540	IS9029	11139029 471638	AZK5188	24V 5,4kW z12
FL7-SERIE	7	D7A285	MS 574	IS9109	11139122 420731	AZK5471	24V 5,4kW z12
L120		TD71G	MS 487	IS9068	11139077 241011	AZK5431	24V 5,4kW z9
L160			MS 542	IS9112	11139125 11031126	AZK5474	24V 5,4kW z11
CRAWLER EXCAVATORS	EC460 / EC460B	Cummins M11-C; 6-Cyl, 221kW	MS 77	IS1183	11131907 11707118	AZG4689	24V 9kW z11
Medium & Heavy Duty Trucks	ACL42/64		MS 583	IS1306	11131979 20430285	AZG4803	12V 5,5kW z12
S40	2.0 16V,Turbo,T4 Turbo	B4204 S,S2,T,T2,T3,T5	MS 216	IS9309	11139407 1363451	AZE2182	12V 1,4kW z9
N	12	TD120G	MS 543	IS9078	11139087 847308	AZK5439	24V 6,6kW z11

MOTORES DE PARTIDA | ITENS SOB CONSULTA
 MOTORES DE ARRANQUE | ITENS A CONSULTAR



APLICAÇÃO/VEÍCULO APLICACIÓN/VEHÍCULO	MODELO/VERSÃO MODELO/VERSION	MOTOR		REF. MAHLE LETRIKA	REF. LETRIKA	REF. EO	FAMÍLIA FAMILIA	TENSÃO TENSION
Tractors				MS 458	IS9087	11139096 6210591	AZK5447	12V 3,6kW z11
Trucks				MS 522	IS9042	11139048 4778060	AZK5408	24V 6,6kW
Trucks				MS 545	IS9115	11139128 11030906	AZK5477	24V 5,4kW z11
VOLVO PENTA								
AD31,A,B,D,L,P,X		4 cyl		MS 41	IS1322	11131916 1359119	AZE4193	12V 3,2kW z11
TMD40,A,B,C		6 cyl		MS 263	IS0811	11130811 829527	AZJ3333	12V 2,7kW z9
YANMAR								
GA220/ GA340/Yanmar		EPA2		MS 414	IS1066	11131186 114361-77011	AZE1230	12V 1kW z8

MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE	LETRIKA
MG 15	11.203.042	MGX 93	16.915.887	MGX 402	15.300.948	MGX 811	16.362.816	MGX 1112	16.908.673
MG 23	11.204.467	MGX 101	16.907.159	MGX 404	15.130.165	MGX 812	16.362.820	MGX 1113	16.907.114
MG 24	-	MGX 110	16.907.046	MGX 406	16.915.040	MGX 814	16.362.854	MGX 1120	16.908.914
MG 25	11.204.318	MGX 118	16.906.838	MGX 407	16.915.041	MGX 816	11.125.290	MGX 1121	16.350.190
MG 30	11.204.174	MGX 131	16.907.154	MGX 408	16.915.039	MGX 817	16.915.154	MGX 1122	16.908.833
MG 38	11.204.138	MGX 134	16.361.913	MGX 411	16.420.568	MGX 830	16.915.130	MGX 1123	16.907.060
MG 52	11.204.254	MGX 140	16.908.883	MGX 412	16.420.501	MGX 834	16.362.811	MGX 1126	16.908.866
MG 59	11.203.977	MGX 141	11.125.198	MGX 422	16.904.905	MGX 835	16.915.146	MGX 1133	16.907.081
MG 69	-	MGX 144	15.133.707	MGX 433	16.907.355	MGX 836	16.915.145	MGX 1134	16.907.115
MG 73	11.204.365	MGX 145	16.420.641	MGX 438	16.420.721	MGX 840	16.915.563	MGX 1136	16.908.429
MG 111	11.201.292	MGX 147	16.911.032	MGX 443	16.907.076	MGX 845	16.363.050	MGX 1140	15.400.407
MG 116	11.204.639	MGX 149	16.350.243	MGX 458	16.350.285	MGX 848	16.350.604	MGX 1146	16.908.839
MG 117	11.204.640	MGX 151	16.907.017	MGX 459	16.906.273	MGX 849	16.350.608	MGX 1149	16.907.155
MG 118	11.204.695	MGX 154	16.907.041	MGX 464	16.906.116	MGX 855	16.915.776	MGX 1150	16.300.020
MG 137	11.204.669	MGX 156	16.907.078	MGX 465	16.350.129	MGX 863	11.125.322	MGX 1152	16.906.538
MG 175	11.204.579	MGX 158	16.907.350	MGX 484	16.908.532	MGX 868	16.350.512	MGX 1164	16.907.998
MG 177	11.204.582	MGX 162	16.907.161	MGX 486	15.132.004	MGX 869	16.362.894	MGX 1165	16.907.543
MG 178	11.204.583	MGX 166	16.350.142	MGX 490	16.907.995	MGX 871	16.362.901	MGX 1167	16.907.548
MG 182	11.203.828	MGX 167	16.350.149	MGX 491	16.907.335	MGX 873	16.362.905	MGX 1170	16.907.554
MG 200	11.203.401	MGX 184	16.906.181	MGX 492	16.907.545	MGX 876	16.362.911	MGX 1174	15.300.686
MG 207	11.201.505	MGX 191	16.906.850	MGX 493	16.907.546	MGX 877	16.362.913	MGX 1176	16.915.524
MG 209	11.203.405	MGX 194	16.906.105	MGX 494	16.907.547	MGX 880	16.362.863	MGX 1185	16.911.052
MG 212	11.201.810	MGX 205	15.420.603	MGX 499	16.907.160	MGX 888	16.915.324	MGX 1189	16.907.526
MG 223	11.204.484	MGX 207	16.900.945	MGX 502	15.132.019	MGX 892	16.915.239	MGX 1194	15.420.785
MG 225	11.204.525	MGX 221	16.908.665	MGX 503	11.125.122	MGX 893	16.350.507	MGX 1195	16.911.062
MG 247	11.201.895	MGX 222	16.908.676	MGX 504	16.906.844	MGX 897	11.125.299	MGX 1205	16.907.038
MG 269	11.204.401	MGX 224	16.907.935	MGX 520	16.907.153	MGX 903	16.915.367	MGX 1209	16.350.020
MG 271	11.204.373	MGX 227	15.131.902	MGX 521	16.908.910	MGX 905	16.421.088	MGX 1217	16.907.572
MG 274	11.204.352	MGX 229	16.905.322	MGX 523	16.905.521	MGX 908	16.915.810	MGX 1222	16.907.392
MG 286	11.203.822	MGX 238	16.905.988	MGX 527	16.350.025	MGX 912	16.363.209	MGX 1224	16.907.397
MG 312	11.203.399	MGX 245	16.906.535	MGX 535	16.907.391	MGX 919	15.125.130	MGX 1232	16.907.777
MG 313	11.203.332	MGX 248	16.906.600	MGX 538	16.907.399	MGX 929	16.915.785	MGX 1247	16.907.373
MG 314	11.203.331	MGX 249	16.906.601	MGX 543	16.907.061	MGX 930	16.915.788	MGX 1253	16.908.675
MG 316	11.203.264	MGX 250	16.906.804	MGX 562	16.907.517	MGX 934	16.915.559	MGX 1256	16.915.095
MG 322	11.203.461	MGX 258	16.907.059	MGX 566	16.907.562	MGX 935	16.915.561	MGX 1260	16.350.609
MG 336	11.203.395	MGX 270	16.907.162	MGX 578	16.900.353	MGX 943	16.915.809	MGX 1265	16.915.306
MG 344	11.203.398	MGX 272	16.908.678	MGX 579	16.362.056	MGX 944	15.421.985	MGX 1269	15.302.009
MG 378	11.201.599	MGX 273	16.907.241	MGX 591	16.907.008	MGX 949	16.300.295	MGX 1271	16.915.560
MG 404	11.203.088	MGX 276	16.907.042	MGX 616	16.905.214	MGX 954	16.915.703	MGX 1277	16.915.221
MG 414	11.201.727	MGX 277	16.907.045	MGX 618	16.905.253	MGX 959	16.915.974	MGX 1282	16.907.914
MG 462	11.201.095	MGX 281	16.908.881	MGX 619	16.905.254	MGX 961	16.916.113	MGX 1288	16.915.220
MG 467	11.204.502	MGX 282	11.125.167	MGX 635	16.908.610	MGX 967	16.363.266	MGX 1295	11.125.343
MG 473	11.204.409	MGX 286	16.908.963	MGX 643	16.908.886	MGX 968	11.125.345	MGX 1296	15.300.696
MG 477	11.204.405	MGX 297	16.420.594	MGX 653	16.908.534	MGX 976	15.400.667	MGX 1319	16.915.783
MG 490	11.204.361	MGX 301	16.350.035	MGX 657	15.421.538	MGX 998	16.916.101	MGX 1321	16.915.858
MG 501	11.203.849	MGX 306	16.350.137	MGX 660	16.361.269	MGX 999	16.916.111	MGX 1323	16.915.687
MG 613	11.204.424	MGX 307	16.350.159	MGX 668	16.905.277	MGX 1000	16.916.114	MGX 1326	16.421.039
MG 623	11.204.920	MGX 309	16.902.556	MGX 669	16.905.559	MGX 1001	16.915.950	MGX 1329	16.915.973
MG 626	11.204.880	MGX 335	16.905.236	MGX 678	16.908.110	MGX 1002	16.915.951	MGX 1330	16.915.975
MG 636	11.204.641	MGX 336	16.905.271	MGX 684	16.908.609	MGX 1006	16.915.829	MGX 1345	16.916.036
MG 651	11.204.119	MGX 340	16.905.447	MGX 688	16.902.097	MGX 1010	11.125.357	MGX 1347	16.916.110
MG 714	11.204.681	MGX 344	16.905.667	MGX 698	16.906.536	MGX 1014	16.916.077	MGX 1369	15.400.473
MG 721	11.204.913	MGX 357	16.906.182	MGX 719	16.907.339	MGX 1015	16.421.195	MGX 1372	16.907.931
MGX 2	15.420.028	MGX 359	16.906.311	MGX 744	16.908.913	MGX 1019	16.915.966	MGX 1375	16.907.106
MGX 9	16.350.158	MGX 363	16.906.347	MGX 746	16.908.961	MGX 1039	16.916.149	MGX 1376	16.907.930
MGX 11	16.905.295	MGX 367	16.900.310	MGX 747	16.911.010	MGX 1044	16.916.305	MGX 1377	16.915.186
MGX 26	16.906.184	MGX 374	16.906.845	MGX 748	16.350.146	MGX 1046	16.915.918	MGX 1378	16.915.191
MGX 32	16.906.622	MGX 375	16.906.852	MGX 750	16.905.276	MGX 1048	16.916.085	MGX 1381	15.133.539
MGX 35	16.906.807	MGX 378	16.907.009	MGX 751	16.905.321	MGX 1055	16.350.143	MGX 1395	16.907.393
MGX 43	16.908.762	MGX 385	16.902.147	MGX 757	15.900.156	MGX 1057	11.125.315	MGX 1401	16.907.903
MGX 47	18.350.317	MGX 391	16.907.116	MGX 765	16.915.018	MGX 1059	15.125.930	MGX 1402	16.907.904
MGX 51	16.902.404	MGX 392	16.907.118	MGX 781	16.907.596	MGX 1061	16.908.607	MGX 1403	16.907.929
MGX 52	15.300.996	MGX 397	15.421.496	MGX 782	16.907.597	MGX 1062	16.908.819	MGX 1404	16.907.991
MGX 66	16.350.112	MGX 398	15.900.726	MGX 788	11.125.262	MGX 1089	16.907.048	MGX 1405	16.907.997
MGX 70	16.906.453	MGX 400	15.902.157	MGX 791	15.132.361	MGX 1100	16.908.320	MGX 1410	16.915.266
MGX 91	16.908.842	MGX 401	15.300.688	MGX 805	16.907.902	MGX 1103	16.908.875	MGX 1415	15.421.124

MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE	LETRIKA
MGX 1417	16.770.206	MS 275	11.130.750	MSX 175	16.905.973	MSX 409	16.282.051	MSX 673	16.282.438
MGX 1418	16.907.039	MS 277	11.130.551	MSX 176	16.906.167	MSX 410	16.283.104	MSX 676	16.904.979
MGX 1419	16.907.113	MS 289	11.131.780	MSX 177	16.906.171	MSX 426	16.908.037	MSX 678	16.907.234
MGX 1422	16.907.194	MS 291	11.131.573	MSX 179	16.906.808	MSX 432	16.283.424	MSX 684	15.120.243
MGX 1424	16.907.776	MS 293	11.131.789	MSX 180	16.906.810	MSX 433	16.283.432	MSX 688	16.282.575
MGX 1425	16.907.795	MS 299	11.131.731	MSX 184	16.906.146	MSX 435	16.283.601	MSX 692	16.283.711
MGX 1426	16.907.990	MS 346	11.130.579	MSX 186	16.906.651	MSX 441	16.283.480	MSX 694	16.905.481
MGX 1427	16.907.992	MS 349	11.130.824	MSX 192	16.908.335	MSX 443	15.131.790	MSX 697	15.120.155
MGX 1431	16.911.176	MS 357	11.130.627	MSX 193	16.908.353	MSX 454	16.283.640	MSX 703	16.907.431
MGX 1436	16.915.193	MS 391	11.130.503	MSX 194	16.908.717	MSX 455	16.908.624	MSX 704	16.907.432
MGX 1453	16.907.525	MS 399	11.131.781	MSX 195	16.908.790	MSX 459	16.283.571	MSX 705	16.905.757
MGX 1467	16.907.555	MS 402	11.131.356	MSX 197	16.280.958	MSX 466	16.907.382	MSX 706	16.906.503
MGX 1565	16.915.329	MS 404	11.131.406	MSX 208	16.906.266	MSX 467	16.281.395	MSX 707	16.906.711
MGX 1621	16.907.571	MS 417	11.132.051	MSX 210	16.906.708	MSX 470	16.282.345	MSX 708	16.283.769
MGX 1644	16.915.952	MS 430	11.131.833	MSX 216	16.908.351	MSX 473	16.361.415	MSX 709	16.906.373
MGX 1652	16.915.756	MS 437	11.131.530	MSX 227	16.283.482	MSX 477	16.281.920	MSX 712	16.906.178
MGX 1661	16.915.574	MS 446	11.130.841	MSX 230	16.907.933	MSX 478	16.283.150	MSX 714	16.905.815
MGX 563KIT	16.907.518	MS 454	11.131.476	MSX 233	16.902.507	MSX 481	16.907.383	MSX 724	16.904.625
MS 3	11.132.050	MS 460	11.139.040	MSX 236	16.908.542	MSX 482	16.907.384	MSX 727	16.281.914
MS 4	11.131.984	MS 472	11.139.022	MSX 240	16.285.361	MSX 483	16.902.379	MSX 732	16.282.322
MS 5	11.131.995	MS 486	11.131.382	MSX 242	16.911.597	MSX 487	16.281.087	MSX 734	16.901.694
MS 24	11.131.921	MS 561	11.131.518	MSX 247	15.120.133	MSX 493	16.282.268	MSX 739	16.902.413
MS 25	11.131.705	MS 592	11.131.728	MSX 248	16.902.152	MSX 497	16.282.089	MSX 746	16.902.781
MS 26	11.132.090	MS 596	11.131.491	MSX 255	16.905.972	MSX 500	16.905.686	MSX 751	16.360.402
MS 27	11.131.948	MSX 4	16.281.972	MSX 263	16.907.092	MSX 507	16.907.487	MSX 758	16.281.594
MS 28	11.131.949	MSX 5	16.282.047	MSX 267	16.905.832	MSX 510	16.907.490	MSX 766	16.902.835
MS 49	11.130.631	MSX 7	16.283.016	MSX 272	16.360.685	MSX 511	16.907.491	MSX 767	16.283.167
MS 50	11.130.971	MSX 9	16.283.303	MSX 273	16.907.199	MSX 513	16.911.910	MSX 768	16.361.527
MS 63	11.131.871	MSX 11	16.283.310	MSX 279	16.283.643	MSX 520	16.915.513	MSX 772	16.361.412
MS 64	11.131.830	MSX 13	16.283.337	MSX 280	16.900.254	MSX 524	16.361.503	MSX 773	16.904.423
MS 65	11.131.769	MSX 16	16.283.464	MSX 288	16.908.985	MSX 533	16.911.446	MSX 774	16.905.244
MS 66	11.131.770	MSX 30	16.906.670	MSX 289	16.908.889	MSX 544	16.915.032	MSX 778	16.905.826
MS 67	11.131.862	MSX 33	16.904.776	MSX 299	16.908.264	MSX 545	16.907.920	MSX 779	16.906.158
MS 68	11.131.863	MSX 36	16.908.347	MSX 304	16.908.329	MSX 547	16.908.750	MSX 780	16.906.264
MS 79	11.131.604	MSX 42	16.908.758	MSX 305	16.908.340	MSX 548	16.283.630	MSX 785	16.908.334
MS 84	11.131.848	MSX 52	16.902.560	MSX 306	16.908.348	MSX 552	16.911.622	MSX 786	16.908.339
MS 86	11.131.267	MSX 54	16.905.292	MSX 308	16.908.508	MSX 555	16.283.625	MSX 787	16.908.341
MS 89	11.131.374	MSX 61	16.282.164	MSX 309	16.908.509	MSX 558	15.421.663	MSX 795	16.283.200
MS 91	11.131.249	MSX 65	16.905.910	MSX 310	16.908.512	MSX 565	16.907.588	MSX 800	16.902.854
MS 94	11.131.375	MSX 70	16.283.434	MSX 312	16.908.518	MSX 566	16.906.878	MSX 802	16.906.168
MS 100	11.131.846	MSX 72	16.906.421	MSX 313	16.908.519	MSX 580	16.911.908	MSX 803	16.906.637
MS 101	11.131.839	MSX 73	16.906.650	MSX 321	16.908.746	MSX 582	16.907.979	MSX 821	16.908.241
MS 111	11.131.228	MSX 78	16.908.262	MSX 322	16.908.753	MSX 584	16.361.663	MSX 825	16.908.263
MS 117	11.131.300	MSX 79	16.908.337	MSX 323	16.908.756	MSX 594	16.283.092	MSX 826	16.908.274
MS 133	11.131.517	MSX 85	16.908.783	MSX 324	16.908.757	MSX 596	16.283.461	MSX 827	16.908.344
MS 134	11.131.519	MSX 86	16.908.787	MSX 325	16.361.450	MSX 602	16.902.382	MSX 828	16.908.360
MS 138	11.131.464	MSX 87	16.908.788	MSX 326	16.361.499	MSX 604	16.903.374	MSX 829	16.902.733
MS 141	11.130.728	MSX 100	16.915.042	MSX 332	16.908.807	MSX 605	16.361.103	MSX 830	16.908.457
MS 148	11.132.180	MSX 103	16.283.631	MSX 333	16.908.837	MSX 607	16.907.406	MSX 835	16.908.987
MS 151	11.131.077	MSX 104	16.283.632	MSX 356	16.904.847	MSX 609	16.904.832	MSX 846	16.361.529
MS 165	11.132.302	MSX 105	16.283.635	MSX 357	16.905.159	MSX 610	16.905.750	MSX 849	16.905.688
MS 175	11.132.356	MSX 107	16.283.642	MSX 360	16.905.377	MSX 620	16.915.200	MSX 850	16.905.915
MS 188	11.130.404	MSX 108	16.283.644	MSX 369	16.905.829	MSX 628	16.907.270	MSX 854	16.285.388
MS 191	11.130.407	MSX 116	16.361.525	MSX 370	16.905.853	MSX 632	16.908.789	MSX 880	16.907.632
MS 192	11.130.409	MSX 117	16.906.265	MSX 371	16.906.142	MSX 635	16.908.827	MSX 890	16.907.644
MS 193	11.130.412	MSX 119	16.907.091	MSX 373	16.906.145	MSX 637	16.285.336	MSX 891	16.907.651
MS 211	11.132.196	MSX 120	16.283.681	MSX 375	16.906.170	MSX 640	16.285.493	MSX 905	16.282.589
MS 214	11.132.189	MSX 122	16.908.999	MSX 379	16.281.299	MSX 641	16.911.900	MSX 908	16.907.813
MS 225	11.132.149	MSX 131	16.908.924	MSX 383	16.281.392	MSX 643	15.120.161	MSX 910	16.911.403
MS 232	11.130.842	MSX 135	16.908.962	MSX 384	16.281.517	MSX 646	16.283.135	MSX 917	16.285.005
MS 239	11.132.094	MSX 137	16.283.500	MSX 387	16.906.505	MSX 647	16.285.394	MSX 920	16.283.960
MS 243	11.131.162	MSX 148	16.908.922	MSX 388	16.906.638	MSX 648	16.285.395	MSX 924	16.915.546
MS 246	11.131.370	MSX 149	16.902.653	MSX 389	16.906.639	MSX 654	16.904.894	MSX 925	16.907.895
MS 265	11.130.743	MSX 161	16.361.491	MSX 397	16.281.775	MSX 663	16.283.641	MSX 926	16.907.896
MS 270	11.130.660	MSX 164	16.902.036	MSX 399	16.281.899	MSX 667	16.901.752	MSX 927	16.907.897
MS 271	11.130.695	MSX 169	16.908.760	MSX 400	16.901.658	MSX 669	15.120.182	MSX 932	16.907.874

MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE	BOSCH	MAHLE	BOSCH
MSX 934	16.911.538	MSX 1225	16.908.336	MSX 1704	16.285.807	MG 200	F000LDO103	MS 191	0001360011
MSX 935	16.285.113	MSX 1227	16.908.492	MSX 1706	16.285.783	MG 209	0120488144	MS 192	0001359091
MSX 936	16.285.117	MSX 1229	16.908.751	MSX 1772	16.285.753	MG 209	0120488185	MS 192	0001367014
MSX 940	16.285.147	MSX 1234	16.901.419	MX 1	16.906.374	MG 209	0120488209	MS 193	0001359043
MSX 941	16.285.119	MSX 1236	16.285.380	MX 5	16.908.752	MG 209	0120489309	MS 193	0001359084
MSX 942	16.907.910	MSX 1241	16.906.267	MX 6	15.120.087	MG 212	0120489384	MS 193	0001362051
MSX 944	16.285.064	MSX 1243	16.280.416	MX 8	16.905.611	MG 225	124625059	MS 193	0001367034
MSX 953	16.285.068	MSX 1246	16.908.984	MX 405	15.421.597	MG 313	120484012	MS 193	0001367059
MSX 954	16.285.067	MSX 1247	16.908.993	-	16.916.217	MG 313	120484019	MS 193	0001367300
MSX 955	16.285.120	MSX 1249	16.908.995	-	16.283.860	MG 313	986039810	MS 193	0001367301
MSX 957	16.907.851	MSX 1262	16.908.994			MG 314	120484001	MS 193	0001367303
MSX 961	16.907.858	MSX 1268	16.907.268			MG 314	986041840	MS 193	0986011240
MSX 962	16.907.859	MSX 1277	16.907.267			MG 316	F000LDO103	MS 193	0986013480
MSX 967	16.915.101	MSX 1282	16.911.623			MG 467	124615043	MS 193	9000083028
MSX 969	16.285.501	MSX 1306	16.907.381			MG 477	120484027	MS 193	9000083054
MSX 971	16.285.476	MSX 1308	16.907.502			MG 477	9120060042	MS 193	F000AL0128
MSX 974	16.285.506	MSX 1315	16.282.543			MG 477	F005A005025	MS 214	0001368037
MSX 976	16.911.711	MSX 1321	16.908.806			MG 52	123515500	MS 214	0001368039
MSX 978	16.282.724	MSX 1322	16.907.455			MG 52	123515501	MS 214	0986013700
MSX 981	16.915.128	MSX 1330	16.908.349			MG 52	124615041	MS 214	0986013701
MSX 992	16.915.216	MSX 1332	16.281.679			MG 52	986047210	MS 232	0001231005
MSX 997	16.915.044	MSX 1337	16.282.439			MG 613	124625031	MS 239	0001231026
MSX 1007	16.915.718	MSX 1342	16.361.113			MG 626	120488114	MS 239	0001231027
MSX 1025	16.915.400	MSX 1344	16.915.008			MS 133	9000082028	MS 239	0001263019
MSX 1027	16.915.558	MSX 1345	16.902.621			MS 133	9009082028	MS 239	0001263020
MSX 1030	16.915.352	MSX 1355	16.907.772			MS 138	0001230022	MS 24	0001223507
MSX 1033	16.915.371	MSX 1365	16.907.791			MS 141	0001231002	MS 243	0986018161
MSX 1036	16.915.257	MSX 1366	16.907.753			MS 148	0001326331	MS 25	9007044014
MSX 1042	16.285.533	MSX 1369	16.283.213			MS 148	0001362319	MS 265	0001360010
MSX 1060	16.915.354	MSX 1377	16.907.308			MS 148	0001367079	MS 265	0001360038
MSX 1061	16.285.539	MSX 1384	16.908.759			MS 175	0001260025	MS 265	0001368010
MSX 1069	16.915.277	MSX 1388	16.915.232			MS 188	0001112021	MS 265	0001368301
MSX 1074	16.915.250	MSX 1390	16.915.066			MS 188	0001112022	MS 265	0986011280
MSX 1077	16.915.341	MSX 1391	16.915.064			MS 188	0001113001	MS 27	0001223016
MSX 1078	16.285.511	MSX 1392	16.915.068			MS 188	0001113002	MS 27	0986019820
MSX 1079	16.285.512	MSX 1396	16.915.607			MS 188	0001113007	MS 270	0001360056
MSX 1080	16.915.251	MSX 1410	16.915.236			MS 188	0001113008	MS 270	0001368028
MSX 1081	16.915.287	MSX 1411	16.915.125			MS 188	0001211214	MS 270	0986012940
MSX 1091	16.915.870	MSX 1412	16.915.127			MS 188	0001211216	MS 270	9000083046
MSX 1092	16.285.801	MSX 1413	16.915.142			MS 188	0001211217	MS 270	9000083064
MSX 1093	16.915.835	MSX 1422	16.907.894			MS 188	0001211230	MS 271	0001367072
MSX 1094	16.915.886	MSX 1427	16.907.875			MS 188	0001211231	MS 277	0001358046
MSX 1096	16.282.914	MSX 1429	16.907.860			MS 188	0001211233	MS 277	0001358049
MSX 1097	16.915.869	MSX 1430	16.285.116			MS 188	0001211234	MS 277	0001359073
MSX 1099	16.915.750	MSX 1435	16.282.616			MS 188	0001211235	MS 277	0001362016
MSX 1106	16.912.371	MSX 1436	16.283.961			MS 188	0001211236	MS 277	0001362034
MSX 1110	16.915.611	MSX 1444	16.912.944			MS 188	0001211500	MS 277	0001362091
MSX 1111	16.915.719	MSX 1447	16.283.937			MS 188	0001211501	MS 277	0001362305
MSX 1116	16.915.930	MSX 1454	16.285.834			MS 188	0001211502	MS 277	0001362311
MSX 1117	16.912.924	MSX 1457	16.285.832			MS 188	0001211503	MS 277	0001362313
MSX 1122	16.286.100	MSX 1467	16.915.872			MS 188	0001211525	MS 277	0001367000
MSX 1126	16.912.852	MSX 1489	16.283.581			MS 188	0001211526	MS 277	0986010990
MSX 1135	16.916.102	MSX 1491	16.907.646			MS 188	0001211527	MS 277	0986011140
MSX 1145	16.285.863	MSX 1498	16.283.580			MS 188	0001211528	MS 277	0986013680
MSX 1159	16.915.982	MSX 1511	16.908.505			MS 188	0001211529	MS 28	0001223021
MSX 1164	16.915.991	MSX 1519	16.282.432			MS 188	0001211530	MS 346	986022750
MSX 1172	16.282.934	MSX 1520	16.282.623			MS 188	0986010410	MS 349	0001453082
MSX 1174	16.285.859	MSX 1521	16.300.216			MS 188	0986010411	MS 349	9000083036
MSX 1184	16.285.820	MSX 1535	16.907.198			MS 188	0986010418	MS 349	9000083056
MSX 1189	16.915.941	MSX 1544	16.908.983			MS 188	0986010420	MS 349	9000453082
MSX 1205	16.902.035	MSX 1545	16.911.628			MS 188	0986010480	MS 357	0001369015
MSX 1208	16.916.396	MSX 1547	16.915.276			MS 188	0986010488	MS 357	0001369023
MSX 1215	16.916.381	MSX 1601	16.285.338			MS 188	0986010490	MS 357	0986017510
MSX 1217	16.905.240	MSX 1655	16.285.437			MS 188	0986010498	MS 391	001354067
MSX 1220	16.906.811	MSX 1656	16.285.440			MS 188	0986013590	MS 391	0001354097
MSX 1224	16.361.481	MSX 1668	16.915.065			MS 188	0986016320	MS 391	0001354099

MAHLE	BOSCH	MAHLE	DELCO	MAHLE	DENSO	MAHLE	PRESTOLITE
MS 391	0001362021	MG 111	DRA0323	MG 137	102211-9090	MG 118	35214230
MS 391	0001362050	MG 137	860000	MG 274	102211-9090	MG 15	20130116
MS 391	0001366009	MG 15	DRA3836	MS 94	228000-640	MG 209	PBNA1134
MS 391	0001413010	MG 177	DRA0070	MS 101	228000-5620	MG 477	20130210
MS 4	9000083000	MG 207	DRA3289	MS 117	128000-4340	MG 73	35215120
MS 417	9000083015	MG 286	DRA0812	MS 148	028000-5880	MS 133	35259570
MS 417	9000083069	MG 30	DRA0816	MS 289	428000-1380	MS 134	35261810
MS 426	0001371019	MG 313	DRA9810	MS 293	28000-8400	MS 141	860321
MS 426	0001372001	MG 314	DRB1840			MS 148	35258940
MS 426	0986017320	MG 404	DRA0262			MS 151	35259310
MS 426	0986020340	MG 462	DRA3458			MS 151	35260950
MS 430	0001223502	MG 473	DRA0252			MS 175	35259360
MS 430	0001358041	MG 577	DRA0043			MS 191	859537
MS 430	0001359016	MG 52	DRA4213			MS 243	20500301
MS 430	0001359090	MG 626	DRA7890			MS 265	857472
MS 430	0001362312	MS 101	10461645			MS 265	859535
MS 430	0001362316	MS 117	10461645			MS 271	20513045
MS 430	0001367037	MS 138	DRS0365			MS 28	861094
MS 430	0986012420	MS 141	DRS0056			MS 289	860714
MS 430	0986014730	MS 148	10461497			MS 293	35261385
MS 472	0001417042	MS 232	DRS2700			MS 3	35260950
MS 472	0986013450	MS 239	DRS0027			MS 3	35263300
MS 472	9000084012	MS 277	DRS0990			MS 346	35262480
MS 486	0001359029	MS 28	DRB9820			MS 346	205000212
MS 486	0001359058	MS 293	10461471			MS 399	860715
MS 486	0001359114	MS 472	DRS3450			MS 4	35259300
MS 65	0001230006	MS 486	10461446			MS 417	35259350
MS 65	0001230014	MS 65	DRS9020			MS 417	35259750
MS 65	0001262002	MS 66	DRT100			MS 561	35260890
MS 65	0986019020	MS 79	DRS8980			MS 89	35258810
MS 66	0001231005	MS 86	DRS3938			MS 89	35259580
MS 66	0001231028	MS 89	DRS0152			MS 89	35259580S
MS 66	0001263008	MS 94	10461450				
MS 66	0986021000						
MS 79	0001230007						
MS 79	0001230010						
MS 79	0001230023						
MS 79	0986018980						
MS 86	0001109035						
MS 89	0001230005						
MS 89	0001367075						
MS 89	0001367078						
MS 89	0001369001						
MS 89	0001369005						
MS 89	0001369022						
MS 89	0986014740						
MS 91	0001359124						
MS 91	0001367032						
MS 91	0001367067						
MS 91	0986013690						
MS 91	0986013691						
MS 94	0001362324						

BOSCH	MAHLE	BOSCH	MAHLE	BOSCH	MAHLE	DELCO	MAHLE	DENSO	MAHLE
0001109035	MS 86	0001360011	MS 191	0986010480	MS 188	860000	MG 137	028000-5880	MS 148
0001112021	MS 188	0001360038	MS 265	0986010488	MS 188	10461446	MS 486	102211-9090	MG 137
0001112022	MS 188	0001360056	MS 270	0986010490	MS 188	10461450	MS 94	102211-9090	MG 274
0001113001	MS 188	0001362016	MS 277	0986010498	MS 188	10461471	MS 293	128000-4340	MS 117
0001113002	MS 188	0001362021	MS 391	0986010990	MS 277	10461497	MS 148	228000-5620	MS 101
0001113007	MS 188	0001362034	MS 277	0986011140	MS 277	10461645	MS 101	228000-640	MS 94
0001113008	MS 188	0001362050	MS 391	0986011240	MS 193	10461645	MS 117	28000-8400	MS 293
0001211214	MS 188	0001362051	MS 193	0986011280	MS 265	DRA0043	MG 477	428000-1380	MS 289
0001211216	MS 188	0001362091	MS 277	0986012420	MS 430	DRA0070	MG 177		
0001211217	MS 188	0001362305	MS 277	0986012940	MS 270	DRA0252	MG 473		
0001211230	MS 188	0001362311	MS 277	0986013450	MS 472	DRA0262	MG 404		
0001211231	MS 188	0001362312	MS 430	0986013480	MS 193	DRA0323	MG 111		
0001211233	MS 188	0001362313	MS 277	0986013590	MS 188	DRA0812	MG 286		
0001211234	MS 188	0001362316	MS 430	0986013680	MS 277	DRA0816	MG 30		
0001211235	MS 188	0001362319	MS 148	0986013690	MS 91	DRA3289	MG 207		
0001211236	MS 188	0001362324	MS 94	0986013691	MS 91	DRA3458	MG 462		
0001211500	MS 188	0001366009	MS 391	0986013700	MS 214	DRA3836	MG 15		
0001211501	MS 188	0001367000	MS 277	0986013701	MS 214	DRA4213	MG 52		
0001211502	MS 188	0001367014	MS 192	0986014730	MS 430	DRA7890	MG 626		
0001211503	MS 188	0001367032	MS 91	0986014740	MS 89	DRA9810	MG 313		
0001211525	MS 188	0001367034	MS 193	0986016320	MS 188	DRB1840	MG 314		
0001211526	MS 188	0001367037	MS 430	0986017320	MS 426	DRB9820	MS 28		
0001211527	MS 188	0001367059	MS 193	0986017510	MS 357	DRS0027	MS 239		
0001211528	MS 188	0001367067	MS 91	0986018161	MS 243	DRS0056	MS 141		
0001211529	MS 188	0001367072	MS 271	0986018980	MS 79	DRS0152	MS 89		
0001211530	MS 188	0001367075	MS 89	0986019020	MS 65	DRS0365	MS 138		
0001223016	MS 27	0001367078	MS 89	0986019820	MS 27	DRS0990	MS 277		
0001223021	MS 28	0001367079	MS 148	0986020340	MS 426	DRS2700	MS 232		
0001223502	MS 430	0001367300	MS 193	0986021000	MS 66	DRS3450	MS 472		
0001223507	MS 24	0001367301	MS 193	986022750	MS 346	DRS3938	MS 86		
0001230005	MS 89	0001367303	MS 193	986039810	MG 313	DRS8980	MS 79		
0001230006	MS 65	0001368010	MS 265	986041840	MG 314	DRS9020	MS 65		
0001230007	MS 79	0001368028	MS 270	986047210	MG 52	DRT100	MS 66		
0001230010	MS 79	0001368037	MS 214	9000082028	MS 133				
0001230014	MS 65	0001368039	MS 214	9000083000	MS 4				
0001230022	MS 138	0001368301	MS 265	9000083015	MS 417				
0001230023	MS 79	0001369001	MS 89	9000083028	MS 193				
0001231002	MS 141	0001369005	MS 89	9000083036	MS 349				
0001231005	MS 232	0001369015	MS 357	9000083046	MS 270				
0001231005	MS 66	0001369022	MS 89	9000083054	MS 193				
0001231026	MS 239	0001369023	MS 357	9000083056	MS 349				
0001231027	MS 239	0001371019	MS 426	9000083064	MS 270				
0001231028	MS 66	0001372001	MS 426	9000083069	MS 417				
0001260025	MS 175	0001413010	MS 391	9000084012	MS 472				
0001262002	MS 65	0001417042	MS 472	9000453082	MS 349				
0001263008	MS 66	0001453082	MS 349	9007044014	MS 25				
0001263019	MS 239	120484001	MG 314	9009082028	MS 133				
0001263020	MS 239	120484012	MG 313	9120060042	MG 477				
0001326331	MS 148	120484019	MG 313	F000AL0128	MS 193				
001354067	MS 391	120484027	MG 477	F000LD0103	MG 316				
0001354097	MS 391	120488114	MG 626	F000LDO103	MG 200				
0001354099	MS 391	0120488144	MG 209	F005A005025	MG 477				
0001358041	MS 430	0120488185	MG 209						
0001358046	MS 277	0120488209	MG 209						
0001358049	MS 277	0120489309	MG 209						
0001359016	MS 430	0120489384	MG 212						
0001359029	MS 486	123515500	MG 52						
0001359043	MS 193	123515501	MG 52						
0001359058	MS 486	124615041	MG 52						
0001359073	MS 277	124615043	MG 467						
0001359084	MS 193	124625031	MG 613						
0001359090	MS 430	124625059	MG 225						
0001359091	MS 192	0986010410	MS 188						
0001359114	MS 486	0986010411	MS 188						
0001359124	MS 91	0986010418	MS 188						
0001360010	MS 265	0986010420	MS 188						

PRESTOLITE	MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE
857472	MS 265	11.125.122	MGX 503	11.131.921	MS 24	11.204.913	MG 721	16.282.616	MSX 1435
859535	MS 265	11.125.167	MGX 282	11.131.948	MS 27	11.204.920	MG 623	16.282.623	MSX 1520
859537	MS 191	11.125.198	MGX 141	11.131.949	MS 28	15.120.087	MX 6	16.282.724	MSX 978
860321	MS 141	11.125.262	MGX 788	11.131.984	MS 4	15.120.133	MSX 247	16.282.914	MSX 1096
860714	MS 289	11.125.290	MGX 816	11.131.995	MS 5	15.120.155	MSX 697	16.282.934	MSX 1172
860715	MS 399	11.125.299	MGX 897	11.132.050	MS 3	15.120.161	MSX 643	16.283.016	MSX 7
861094	MS 28	11.125.315	MGX 1057	11.132.051	MS 417	15.120.182	MSX 669	16.283.092	MSX 594
20130116	MG 15	11.125.322	MGX 863	11.132.090	MS 26	15.120.243	MSX 684	16.283.104	MSX 410
20130210	MG 477	11.125.343	MGX 1295	11.132.094	MS 239	15.125.130	MGX 919	16.283.135	MSX 646
20500301	MS 243	11.125.345	MGX 968	11.132.149	MS 225	15.125.930	MGX 1059	16.283.150	MSX 478
20513045	MS 271	11.125.357	MGX 1010	11.132.180	MS 148	15.130.165	MGX 404	16.283.167	MSX 767
35214230	MG 118	11.130.404	MS 188	11.132.189	MS 214	15.131.790	MSX 443	16.283.200	MSX 795
35215120	MG 73	11.130.407	MS 191	11.132.196	MS 211	15.131.902	MGX 227	16.283.213	MSX 1369
35258810	MS 89	11.130.409	MS 192	11.132.302	MS 165	15.132.004	MGX 486	16.283.303	MSX 9
35258940	MS 148	11.130.412	MS 193	11.132.356	MS 175	15.132.019	MGX 502	16.283.310	MSX 11
35259300	MS 4	11.130.503	MS 391	11.139.022	MS 472	15.132.361	MGX 791	16.283.337	MSX 13
35259310	MS 151	11.130.551	MS 277	11.139.040	MS 460	15.133.539	MGX 1381	16.283.424	MSX 432
35259350	MS 417	11.130.579	MS 346	11.201.095	MG 462	15.133.707	MGX 144	16.283.432	MSX 433
35259360	MS 175	11.130.627	MS 357	11.201.292	MG 111	15.300.686	MGX 1174	16.283.434	MSX 70
35259570	MS 133	11.130.631	MS 49	11.201.505	MG 207	15.300.688	MGX 401	16.283.461	MSX 596
35259580	MS 89	11.130.660	MS 270	11.201.599	MG 378	15.300.696	MGX 1296	16.283.464	MSX 16
35259750	MS 417	11.130.695	MS 271	11.201.727	MG 414	15.300.948	MGX 402	16.283.480	MSX 441
35260890	MS 561	11.130.728	MS 141	11.201.810	MG 212	15.300.996	MGX 52	16.283.482	MSX 227
35260950	MS 151	11.130.743	MS 265	11.201.895	MG 247	15.302.009	MGX 1269	16.283.500	MSX 137
35260950	MS 3	11.130.750	MS 275	11.203.042	MG 15	15.400.407	MGX 1140	16.283.571	MSX 459
35261385	MS 293	11.130.824	MS 349	11.203.088	MG 404	15.400.473	MGX 1369	16.283.580	MSX 1498
35261810	MS 134	11.130.841	MS 446	11.203.264	MG 316	15.400.667	MGX 976	16.283.581	MSX 1489
35262480	MS 346	11.130.842	MS 232	11.203.331	MG 314	15.420.028	MGX 2	16.283.601	MSX 435
35263300	MS 3	11.130.971	MS 50	11.203.332	MG 313	15.420.603	MGX 205	16.283.625	MSX 555
205000212	MS 346	11.131.077	MS 151	11.203.395	MG 336	15.420.785	MGX 1194	16.283.630	MSX 548
35259580S	MS 89	11.131.162	MS 243	11.203.398	MG 344	15.421.124	MGX 1415	16.283.631	MSX 103
PBNA1134	MG 209	11.131.228	MS 111	11.203.399	MG 312	15.421.496	MGX 397	16.283.632	MSX 104
		11.131.249	MS 91	11.203.401	MG 200	15.421.538	MGX 657	16.283.635	MSX 105
		11.131.267	MS 86	11.203.405	MG 209	15.421.597	MX 405	16.283.640	MSX 454
		11.131.300	MS 117	11.203.461	MG 322	15.421.663	MSX 558	16.283.641	MSX 663
		11.131.356	MS 402	11.203.822	MG 286	15.421.985	MGX 944	16.283.642	MSX 107
		11.131.370	MS 246	11.203.828	MG 182	15.900.156	MGX 757	16.283.643	MSX 279
		11.131.374	MS 89	11.203.849	MG 501	15.900.726	MGX 398	16.283.644	MSX 108
		11.131.375	MS 94	11.203.977	MG 59	15.902.157	MGX 400	16.283.681	MSX 120
		11.131.382	MS 486	11.204.119	MG 651	16.280.416	MSX 1243	16.283.711	MSX 692
		11.131.406	MS 404	11.204.138	MG 38	16.280.958	MSX 197	16.283.769	MSX 708
		11.131.464	MS 138	11.204.174	MG 30	16.281.087	MSX 487	16.283.860	-
		11.131.476	MS 454	11.204.254	MG 52	16.281.299	MSX 379	16.283.937	MSX 1447
		11.131.491	MS 596	11.204.318	MG 25	16.281.392	MSX 383	16.283.960	MSX 920
		11.131.517	MS 133	11.204.352	MG 274	16.281.395	MSX 467	16.283.961	MSX 1436
		11.131.518	MS 561	11.204.361	MG 490	16.281.517	MSX 384	16.285.005	MSX 917
		11.131.519	MS 134	11.204.365	MG 73	16.281.594	MSX 758	16.285.064	MSX 944
		11.131.530	MS 437	11.204.373	MG 271	16.281.679	MSX 1332	16.285.067	MSX 954
		11.131.573	MS 291	11.204.401	MG 269	16.281.775	MSX 397	16.285.068	MSX 953
		11.131.604	MS 79	11.204.405	MG 477	16.281.899	MSX 399	16.285.113	MSX 935
		11.131.705	MS 25	11.204.409	MG 473	16.281.914	MSX 727	16.285.116	MSX 1430
		11.131.728	MS 592	11.204.424	MG 613	16.281.920	MSX 477	16.285.117	MSX 936
		11.131.731	MS 299	11.204.467	MG 23	16.281.972	MSX 4	16.285.119	MSX 941
		11.131.769	MS 65	11.204.484	MG 223	16.282.047	MSX 5	16.285.120	MSX 955
		11.131.770	MS 66	11.204.502	MG 467	16.282.051	MSX 409	16.285.147	MSX 940
		11.131.780	MS 289	11.204.525	MG 225	16.282.089	MSX 497	16.285.336	MSX 637
		11.131.781	MS 399	11.204.579	MG 175	16.282.164	MSX 61	16.285.338	MSX 1601
		11.131.789	MS 293	11.204.582	MG 177	16.282.268	MSX 493	16.285.361	MSX 240
		11.131.830	MS 64	11.204.583	MG 178	16.282.322	MSX 732	16.285.380	MSX 1236
		11.131.833	MS 430	11.204.639	MG 116	16.282.345	MSX 470	16.285.388	MSX 854
		11.131.839	MS 101	11.204.640	MG 117	16.282.432	MSX 1519	16.285.394	MSX 647
		11.131.846	MS 100	11.204.641	MG 636	16.282.438	MSX 673	16.285.395	MSX 648
		11.131.848	MS 84	11.204.669	MG 137	16.282.439	MSX 1337	16.285.437	MSX 1655
		11.131.862	MS 67	11.204.681	MG 714	16.282.543	MSX 1315	16.285.440	MSX 1656
		11.131.863	MS 68	11.204.695	MG 118	16.282.575	MSX 688	16.285.476	MSX 971
		11.131.871	MS 63	11.204.880	MG 626	16.282.589	MSX 905	16.285.493	MSX 640

LETRIKA	MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE
16.285.501	MSX 969	16.362.913	MGX 877	16.905.559	MGX 669	16.906.850	MGX 191	16.907.518	MGX 563KIT
16.285.506	MSX 974	16.363.050	MGX 845	16.905.611	MX 8	16.906.852	MGX 375	16.907.525	MGX 1453
16.285.511	MSX 1078	16.363.209	MGX 912	16.905.667	MGX 344	16.906.878	MSX 566	16.907.526	MGX 1189
16.285.512	MSX 1079	16.363.266	MGX 967	16.905.686	MSX 500	16.907.008	MGX 591	16.907.543	MGX 1165
16.285.533	MSX 1042	16.420.501	MGX 412	16.905.688	MSX 849	16.907.009	MGX 378	16.907.545	MGX 492
16.285.539	MSX 1061	16.420.568	MGX 411	16.905.750	MSX 610	16.907.017	MGX 151	16.907.546	MGX 493
16.285.753	MSX 1772	16.420.594	MGX 297	16.905.757	MSX 705	16.907.038	MGX 1205	16.907.547	MGX 494
16.285.783	MSX 1706	16.420.641	MGX 145	16.905.815	MSX 714	16.907.039	MGX 1418	16.907.548	MGX 1167
16.285.801	MSX 1092	16.420.721	MGX 438	16.905.826	MSX 778	16.907.041	MGX 154	16.907.554	MGX 1170
16.285.807	MSX 1704	16.421.039	MGX 1326	16.905.829	MSX 369	16.907.042	MGX 276	16.907.555	MGX 1467
16.285.820	MSX 1184	16.421.088	MGX 905	16.905.832	MSX 267	16.907.045	MGX 277	16.907.562	MGX 566
16.285.832	MSX 1457	16.421.195	MGX 1015	16.905.853	MSX 370	16.907.046	MGX 110	16.907.571	MGX 1621
16.285.834	MSX 1454	16.770.206	MGX 1417	16.905.910	MSX 65	16.907.048	MGX 1089	16.907.572	MGX 1217
16.285.859	MSX 1174	16.900.254	MSX 280	16.905.915	MSX 850	16.907.059	MGX 258	16.907.588	MSX 565
16.285.863	MSX 1145	16.900.310	MGX 367	16.905.972	MSX 255	16.907.060	MGX 1123	16.907.596	MGX 781
16.286.100	MSX 1122	16.900.353	MGX 578	16.905.973	MSX 175	16.907.061	MGX 543	16.907.597	MGX 782
16.300.020	MGX 1150	16.900.945	MGX 207	16.905.988	MGX 238	16.907.076	MGX 443	16.907.632	MSX 880
16.300.216	MSX 1521	16.901.419	MSX 1234	16.906.105	MGX 194	16.907.078	MGX 156	16.907.644	MSX 890
16.300.295	MGX 949	16.901.658	MSX 400	16.906.116	MGX 464	16.907.081	MGX 1133	16.907.646	MSX 1491
16.350.020	MGX 1209	16.901.694	MSX 734	16.906.142	MSX 371	16.907.091	MSX 119	16.907.651	MSX 891
16.350.025	MGX 527	16.901.752	MSX 667	16.906.145	MSX 373	16.907.092	MSX 263	16.907.753	MSX 1366
16.350.035	MGX 301	16.902.035	MSX 1205	16.906.146	MSX 184	16.907.106	MGX 1375	16.907.772	MSX 1355
16.350.112	MGX 66	16.902.036	MSX 164	16.906.158	MSX 779	16.907.113	MGX 1419	16.907.776	MGX 1424
16.350.129	MGX 465	16.902.097	MGX 688	16.906.167	MSX 176	16.907.114	MGX 1113	16.907.777	MGX 1232
16.350.137	MGX 306	16.902.147	MGX 385	16.906.168	MSX 802	16.907.115	MGX 1134	16.907.791	MSX 1365
16.350.142	MGX 166	16.902.152	MSX 248	16.906.170	MSX 375	16.907.116	MGX 391	16.907.795	MGX 1425
16.350.143	MGX 1055	16.902.379	MSX 483	16.906.171	MSX 177	16.907.118	MGX 392	16.907.813	MSX 908
16.350.146	MGX 748	16.902.382	MSX 602	16.906.178	MSX 712	16.907.153	MGX 520	16.907.851	MSX 957
16.350.149	MGX 167	16.902.404	MGX 51	16.906.181	MGX 184	16.907.154	MGX 131	16.907.858	MSX 961
16.350.158	MGX 9	16.902.413	MSX 739	16.906.182	MGX 357	16.907.155	MGX 1149	16.907.859	MSX 962
16.350.159	MGX 307	16.902.507	MSX 233	16.906.184	MGX 26	16.907.159	MGX 101	16.907.860	MSX 1429
16.350.190	MGX 1121	16.902.556	MGX 309	16.906.264	MSX 780	16.907.160	MGX 499	16.907.874	MSX 932
16.350.243	MGX 149	16.902.560	MSX 52	16.906.265	MSX 117	16.907.161	MGX 162	16.907.875	MSX 1427
16.350.285	MGX 458	16.902.621	MSX 1345	16.906.266	MSX 208	16.907.162	MGX 270	16.907.894	MSX 1422
16.350.507	MGX 893	16.902.653	MSX 149	16.906.267	MSX 1241	16.907.194	MGX 1422	16.907.895	MSX 925
16.350.512	MGX 868	16.902.733	MSX 829	16.906.273	MGX 459	16.907.198	MSX 1535	16.907.896	MSX 926
16.350.604	MGX 848	16.902.781	MSX 746	16.906.311	MGX 359	16.907.199	MSX 273	16.907.897	MSX 927
16.350.608	MGX 849	16.902.835	MSX 766	16.906.347	MGX 363	16.907.234	MSX 678	16.907.902	MGX 805
16.350.609	MGX 1260	16.902.854	MSX 800	16.906.373	MSX 709	16.907.241	MGX 273	16.907.903	MGX 1401
16.360.402	MSX 751	16.903.374	MSX 604	16.906.374	MX 1	16.907.267	MSX 1277	16.907.904	MGX 1402
16.360.685	MSX 272	16.904.423	MSX 773	16.906.421	MSX 72	16.907.268	MSX 1268	16.907.910	MSX 942
16.361.103	MSX 605	16.904.625	MSX 724	16.906.453	MGX 70	16.907.270	MSX 628	16.907.914	MGX 1282
16.361.113	MSX 1342	16.904.776	MSX 33	16.906.503	MSX 706	16.907.308	MSX 1377	16.907.920	MSX 545
16.361.269	MGX 660	16.904.832	MSX 609	16.906.505	MSX 387	16.907.335	MGX 491	16.907.929	MGX 1403
16.361.412	MSX 772	16.904.847	MSX 356	16.906.535	MGX 245	16.907.339	MGX 719	16.907.930	MGX 1376
16.361.415	MSX 473	16.904.894	MSX 654	16.906.536	MGX 698	16.907.350	MGX 158	16.907.931	MGX 1372
16.361.450	MSX 325	16.904.905	MGX 422	16.906.538	MGX 1152	16.907.355	MGX 433	16.907.933	MSX 230
16.361.481	MSX 1224	16.904.979	MSX 676	16.906.600	MGX 248	16.907.373	MGX 1247	16.907.935	MGX 224
16.361.491	MSX 161	16.905.159	MSX 357	16.906.601	MGX 249	16.907.381	MSX 1306	16.907.979	MSX 582
16.361.499	MSX 326	16.905.214	MGX 616	16.906.622	MGX 32	16.907.382	MSX 466	16.907.990	MGX 1426
16.361.503	MSX 524	16.905.236	MGX 335	16.906.637	MSX 803	16.907.383	MSX 481	16.907.991	MGX 1404
16.361.525	MSX 116	16.905.240	MSX 1217	16.906.638	MSX 388	16.907.384	MSX 482	16.907.992	MGX 1427
16.361.527	MSX 768	16.905.244	MSX 774	16.906.639	MSX 389	16.907.391	MGX 535	16.907.995	MGX 490
16.361.529	MSX 846	16.905.253	MGX 618	16.906.650	MSX 73	16.907.392	MGX 1222	16.907.997	MGX 1405
16.361.663	MSX 584	16.905.254	MGX 619	16.906.651	MSX 186	16.907.393	MGX 1395	16.907.998	MGX 1164
16.361.913	MGX 134	16.905.271	MGX 336	16.906.670	MSX 30	16.907.397	MGX 1224	16.908.037	MSX 426
16.362.056	MGX 579	16.905.276	MGX 750	16.906.708	MSX 210	16.907.399	MGX 538	16.908.110	MGX 678
16.362.811	MGX 834	16.905.277	MGX 668	16.906.711	MSX 707	16.907.406	MSX 607	16.908.241	MSX 821
16.362.816	MGX 811	16.905.292	MSX 54	16.906.804	MGX 250	16.907.431	MSX 703	16.908.262	MSX 78
16.362.820	MGX 812	16.905.295	MGX 11	16.906.807	MGX 35	16.907.432	MSX 704	16.908.263	MSX 825
16.362.854	MGX 814	16.905.321	MGX 751	16.906.808	MSX 179	16.907.455	MSX 1322	16.908.264	MSX 299
16.362.863	MGX 880	16.905.322	MGX 229	16.906.810	MSX 180	16.907.487	MSX 507	16.908.274	MSX 826
16.362.894	MGX 869	16.905.377	MSX 360	16.906.811	MSX 1220	16.907.490	MSX 510	16.908.320	MGX 1100
16.362.901	MGX 871	16.905.447	MGX 340	16.906.838	MGX 118	16.907.491	MSX 511	16.908.329	MSX 304
16.362.905	MGX 873	16.905.481	MSX 694	16.906.844	MGX 504	16.907.502	MSX 1308	16.908.334	MSX 785
16.362.911	MGX 876	16.905.521	MGX 523	16.906.845	MGX 374	16.907.517	MGX 562	16.908.335	MSX 192

LETRIKA	MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE	LETRIKA	MAHLE
16.908.336	MSX 1225	16.908.914	MGX 1120	16.915.250	MSX 1074	16.916.113	MGX 961
16.908.337	MSX 79	16.908.922	MSX 148	16.915.251	MSX 1080	16.916.114	MGX 1000
16.908.339	MSX 786	16.908.924	MSX 131	16.915.257	MSX 1036	16.916.149	MGX 1039
16.908.340	MSX 305	16.908.961	MGX 746	16.915.266	MGX 1410	16.916.217	-
16.908.341	MSX 787	16.908.962	MSX 135	16.915.276	MSX 1547	16.916.305	MGX 1044
16.908.344	MSX 827	16.908.963	MGX 286	16.915.277	MSX 1069	16.916.381	MSX 1215
16.908.347	MSX 36	16.908.983	MSX 1544	16.915.287	MSX 1081	16.916.396	MSX 1208
16.908.348	MSX 306	16.908.984	MSX 1246	16.915.306	MGX 1265	18.350.317	MGX 47
16.908.349	MSX 1330	16.908.985	MSX 288	16.915.324	MGX 888	-	MG 24
16.908.351	MSX 216	16.908.987	MSX 835	16.915.329	MGX 1565	-	MG 69
16.908.353	MSX 193	16.908.993	MSX 1247	16.915.341	MSX 1077		
16.908.360	MSX 828	16.908.994	MSX 1262	16.915.352	MSX 1030		
16.908.429	MGX 1136	16.908.995	MSX 1249	16.915.354	MSX 1060		
16.908.457	MSX 830	16.908.999	MSX 122	16.915.367	MGX 903		
16.908.492	MSX 1227	16.911.010	MGX 747	16.915.371	MSX 1033		
16.908.505	MSX 1511	16.911.032	MGX 147	16.915.400	MSX 1025		
16.908.508	MSX 308	16.911.052	MGX 1185	16.915.513	MSX 520		
16.908.509	MSX 309	16.911.062	MGX 1195	16.915.524	MGX 1176		
16.908.512	MSX 310	16.911.176	MGX 1431	16.915.546	MSX 924		
16.908.518	MSX 312	16.911.403	MSX 910	16.915.558	MSX 1027		
16.908.519	MSX 313	16.911.446	MSX 533	16.915.559	MGX 934		
16.908.532	MGX 484	16.911.538	MSX 934	16.915.560	MGX 1271		
16.908.534	MGX 653	16.911.597	MSX 242	16.915.561	MGX 935		
16.908.542	MSX 236	16.911.622	MSX 552	16.915.563	MGX 840		
16.908.607	MGX 1061	16.911.623	MSX 1282	16.915.574	MGX 1661		
16.908.609	MGX 684	16.911.628	MSX 1545	16.915.607	MSX 1396		
16.908.610	MGX 635	16.911.711	MSX 976	16.915.611	MSX 1110		
16.908.624	MSX 455	16.911.900	MSX 641	16.915.687	MGX 1323		
16.908.665	MGX 221	16.911.908	MSX 580	16.915.703	MGX 954		
16.908.673	MGX 1112	16.911.910	MSX 513	16.915.718	MSX 1007		
16.908.675	MGX 1253	16.912.371	MSX 1106	16.915.719	MSX 1111		
16.908.676	MGX 222	16.912.852	MSX 1126	16.915.750	MSX 1099		
16.908.678	MGX 272	16.912.924	MSX 1117	16.915.756	MGX 1652		
16.908.717	MSX 194	16.912.944	MSX 1444	16.915.776	MGX 855		
16.908.746	MSX 321	16.915.008	MSX 1344	16.915.783	MGX 1319		
16.908.750	MSX 547	16.915.018	MGX 765	16.915.785	MGX 929		
16.908.751	MSX 1229	16.915.032	MSX 544	16.915.788	MGX 930		
16.908.752	MX 5	16.915.039	MGX 408	16.915.809	MGX 943		
16.908.753	MSX 322	16.915.040	MGX 406	16.915.810	MGX 908		
16.908.756	MSX 323	16.915.041	MGX 407	16.915.829	MGX 1006		
16.908.757	MSX 324	16.915.042	MSX 100	16.915.835	MSX 1093		
16.908.758	MSX 42	16.915.044	MSX 997	16.915.858	MGX 1321		
16.908.759	MSX 1384	16.915.064	MSX 1391	16.915.869	MSX 1097		
16.908.760	MSX 169	16.915.065	MSX 1668	16.915.870	MSX 1091		
16.908.762	MGX 43	16.915.066	MSX 1390	16.915.872	MSX 1467		
16.908.783	MSX 85	16.915.068	MSX 1392	16.915.886	MSX 1094		
16.908.787	MSX 86	16.915.095	MGX 1256	16.915.887	MGX 93		
16.908.788	MSX 87	16.915.101	MSX 967	16.915.918	MGX 1046		
16.908.789	MSX 632	16.915.125	MSX 1411	16.915.930	MSX 1116		
16.908.790	MSX 195	16.915.127	MSX 1412	16.915.941	MSX 1189		
16.908.806	MSX 1321	16.915.128	MSX 981	16.915.950	MGX 1001		
16.908.807	MSX 332	16.915.130	MGX 830	16.915.951	MGX 1002		
16.908.819	MGX 1062	16.915.142	MSX 1413	16.915.952	MGX 1644		
16.908.827	MSX 635	16.915.145	MGX 836	16.915.966	MGX 1019		
16.908.833	MGX 1122	16.915.146	MGX 835	16.915.973	MGX 1329		
16.908.837	MSX 333	16.915.154	MGX 817	16.915.974	MGX 959		
16.908.839	MGX 1146	16.915.186	MGX 1377	16.915.975	MGX 1330		
16.908.842	MGX 91	16.915.191	MGX 1378	16.915.982	MSX 1159		
16.908.866	MGX 1126	16.915.193	MGX 1436	16.915.991	MSX 1164		
16.908.875	MGX 1103	16.915.200	MSX 620	16.916.036	MGX 1345		
16.908.881	MGX 281	16.915.216	MSX 992	16.916.077	MGX 1014		
16.908.883	MGX 140	16.915.220	MGX 1288	16.916.085	MGX 1048		
16.908.886	MGX 643	16.915.221	MGX 1277	16.916.101	MGX 998		
16.908.889	MSX 289	16.915.232	MSX 1388	16.916.102	MSX 1135		
16.908.910	MGX 521	16.915.236	MSX 1410	16.916.110	MGX 1347		
16.908.913	MGX 744	16.915.239	MGX 892	16.916.111	MGX 999		



AMJ 4710 24V 2,2kW

Símbolo Fabricante / Símbolo del Fabricante _____

Motor _____

Diâmetro Estator / Diámetro del Estator _____

- E** = 80 ... 89 mm
- F** = 90 ... 99 mm
- G** = 100 ... 109 mm
- J** = 110 ... 119 mm
- K** = 120 ... 129 mm
- P** = 150 ... 159 mm
- T** = 179 ... 184 mm

- 1** = Imã permanente / Imán permanente
- 2** = Sepex
- 4** = Série / Serie
- 5** = Composto / Compuesto

- 3** = S1 - Trabalho contínuo / Trabajo en curso
- 5, 6** = Trabalho ciclo curto / Trabajo de ciclo corto
- 7** = Trabalho ciclo curto, com proteção / Trabajo de ciclo corto, protegido

Sequência dentro do subgrupo / Secuencia dentro del subgrupo _____

Tensão / Tensión _____

Potência nominal / Potencia nominal _____

Type Tipo

V Tensão / Tensión

kW Potência Nominal / Potencia Nominal

RPM Rotação Nominal / Velocidad Nominal

← → ↔ Sentido de Rotação / Sentido de Giro

S1 (min) Regime Contínuo / Sistema Continuo

S2 (min) Regime de Tempo Limitado / Régimen de Tiempo Limitado

S3 (%ED) Regime Intermitente Periódico / Régimen Intermitente Periódico

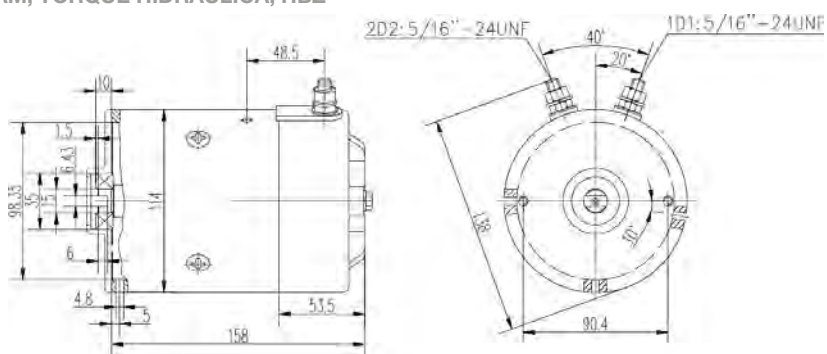
IP Grau de Proteção / Grado de Protección

	Type	V	kW	RPM	Sentido de Rotação Sentido de Giro	S1 (min)	S2 (min)	S3 (%ED)	IP
MM 46 (IM0368)	DC	24	2,2	2750	←	-	1,2	4	IP54

11.216.903

AMJ 4810 24V 2,2kW

MKS, HIDRAUCAM, TORQUE HIDRAULICA, HBZ

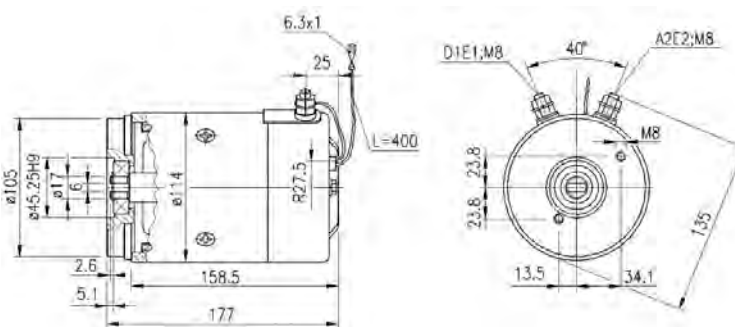


MM 191*
(IM0055)

11.212.958

AMJ5273 24V 2,2kW

BOSCH REXROTH (OIL SYSTEM)

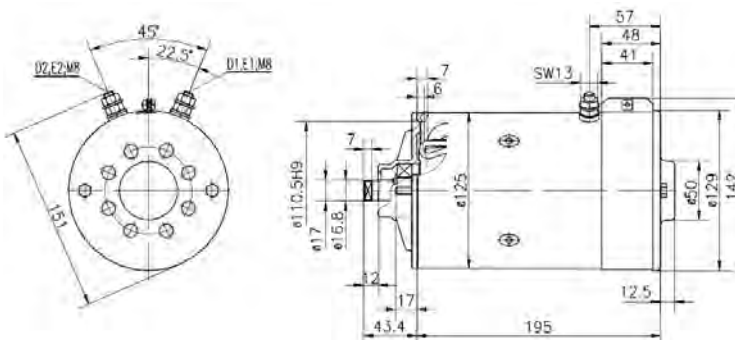


MM 202
(IM0250)

11.216.426

AMK5527 24V 3,0kW

BOSCH REXROTH, OIL SYSTEM



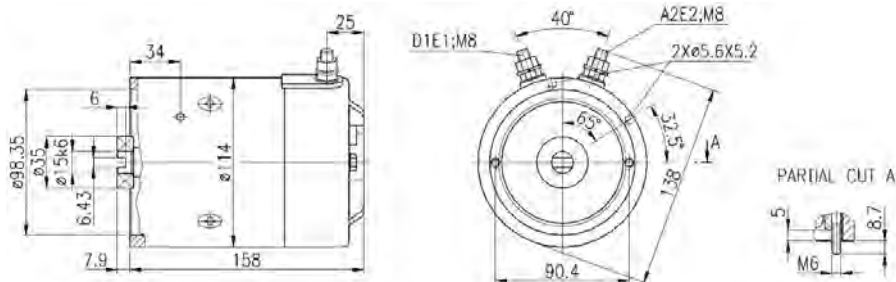
* Item sob consulta / A consultar

	Type	V	kW	RPM	Sentido de Rotação Sentido de Giro	S1 (min)	S2 (min)	S3 (%ED)	IP
MM 208* (IM0270)	DC	24	2,2	2500	→	-	1,2	4	IP44

BAR CARGOLIFT, MBB PALFINGER, HYDAC FLUIDTECHNIK, MONTEC

11.216.633

AMJ5803 24V 2,2kW



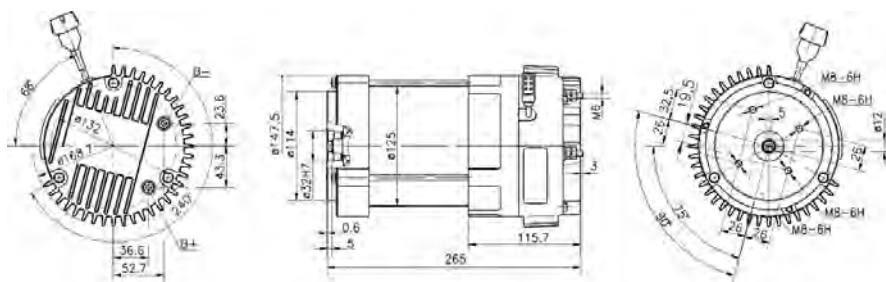
MM 247
(IM3031)

BLMP	80	1,2	2100	→	-	60	-	IP54
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JUNGHEINRICH

11.213.230

AMK6336 80V 1,2kW



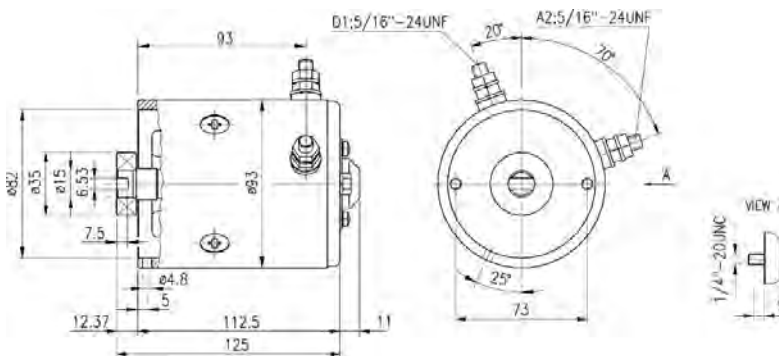
MM 323
(IM0326)

DC	12	1,2	2900	→	-	1,3	4,5	IP54
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ORTOBRAS, BUCHER, HYDRAULICS

11.216.841

AMF 4684 12V 1,2kW



	Type	V	kW	RPM	Sentido de Rotação Sentido de Giro	S1 (min)	S2 (min)	S3 (%ED)	IP
MM 373 (IM0030)	DC	24	2,2	2600	→	-	1,2	4,5	IP54

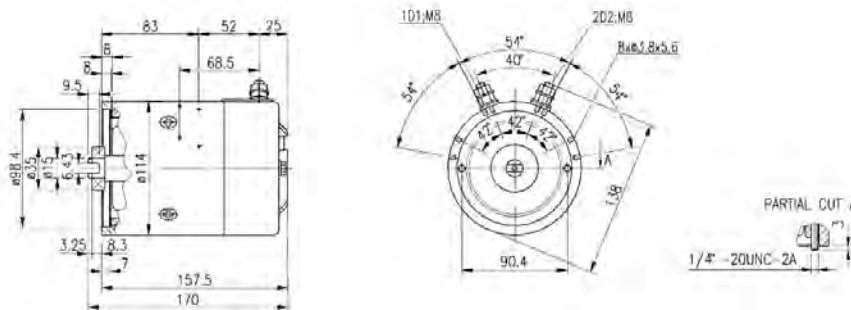
BUCHER HYDRAULICS, ORTOBRAS, FLUHYDRO, PALETRANS

11.216.730

AMJ 4554 24V 2,2kW

IMAGEM INDISPONÍVEL

IMAGEN NO DISPONIBLE



MM 404 (IM3061)	DC	80	0,8	1850	→	-	60	-	IP54
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TAM

11.213.064

AMG6323 80V 0,8kW

IMAGEM INDISPONÍVEL

IMAGEN NO DISPONIBLE

IMAGEM INDISPONÍVEL

IMAGEN NO DISPONIBLE

MM 423 (IM0456)	DC	24	0,8	4500	→	-	4	10	IP54
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ORTOBRAS, BUCHER HYDRAULICS

11.218.055

AME1164 24V 0,8kW

IMAGEM INDISPONÍVEL

IMAGEN NO DISPONIBLE

IMAGEM INDISPONÍVEL

IMAGEN NO DISPONIBLE

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