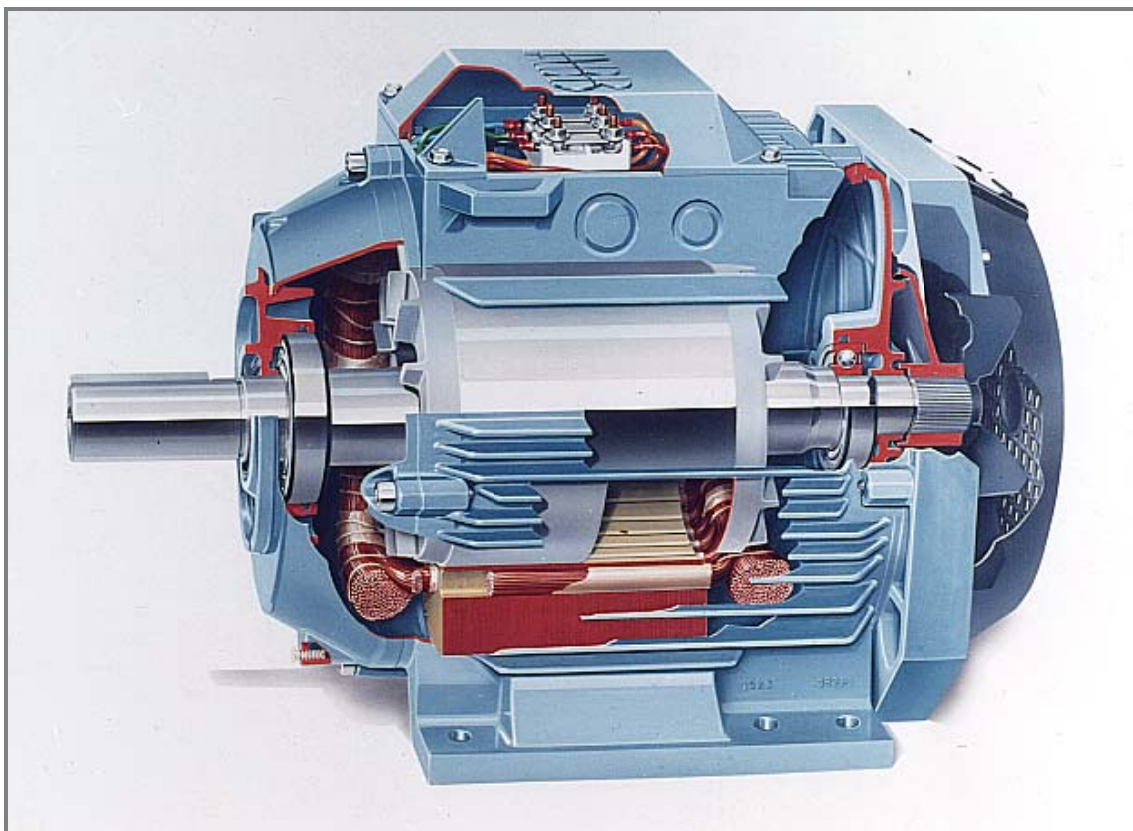


Spare part list

# Low voltage Process Performance Motors IE2 Aluminium M3AA 071÷160 Generation Code: E



Motores de Aluminio – Lista de recambios

Aluminium motors – Spare parts list

Moteur careasse de Aluminium - Liste de pièces de rechange

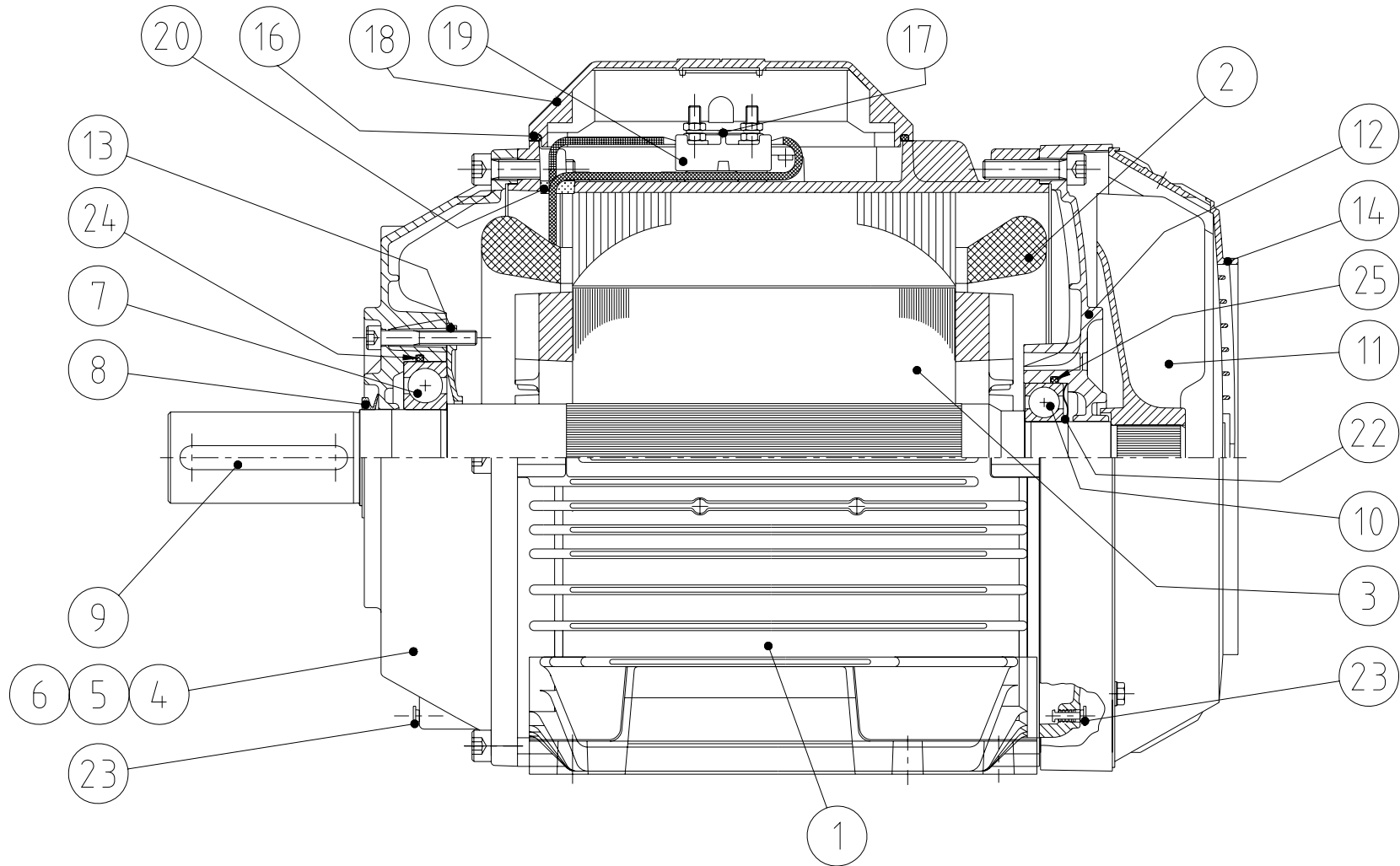
Motori di Alluminio - Elenco dei parti di ricambio

Drehstrommotoren mit Aluminium - Ersatzteilliste

Elenco motores de Alumínio - Lista de peças de reserva



# M3AA 132 - 160



1	Carcasa Stator frame Carcasse Carcassa statorica Ständergehäuse Carcaça	6A	Escudo porta-brida D-end shield for flange ring Flasque palier porte bride Scudo porta anello (Flangia) Flanschhalter Tampa suporte do aro flange
2	Estator completo Material for stator winding, complete Stator complet Avvolgimento statorico completo Ständerwicklung komplett Estator completo	6B	Aro brida (agujeros pasantes - FF) Flange ring (clearance holes - FF) Anneau bride (trous lisses - FF) Anello (Flangia a fori passanti - FF) Ringflansch (Durchgangslöcher - FF) Aro flange (furos passados - FF)
3	Rotor con eje Rotor with shaft Rotor avec arbre Rotore con albero Welle mit Läufer Rotor com veio	6C	Aro brida (agujeros roscados - FT) Flange ring (tapped holes - FT) Anneau bride (trous taraudés - FT) Anello (Flangia a fori filettati - FT) Ringflansch (Gewindelöcher - FT) Aro flange (furos roscados - FT)
4	Escudo lado acople (IM 1001) D-end endshield, IM 1001 Flasque palier côté commande, IM 1001 Scudo lato D, IM 1001 Lagerschild, IM 1001 A-Seite Tampa lado do veio, IM 1001	7	Rodamiento lado acople D-end bearing Roulement côté commande Cuscinetto a rulli lato D Wälzlager A-Seite Rolamento lado do veio
5A	Escudo brida (IM 3001) D-end flange end-shield, IM 3001 Flasque palier bride côté commande, IM 3001 Scudo flangiato lato D, IM 3001 Flanschlagerschild, IM 3001 A-Seite Flange IM 3001	8	Anillo V-ring lado acople Sealing ring for D-end Joint d'étanchéité côté commande Guarnizione lato D Dichtungsring A-Seite Aro vedante lado do veio
5B	Escudo brida (IM 3601) D-end flange end-shield, IM 3601 Flasque palier bride côté commande, IM 3601 Scudo flangiato lato D, IM 3601 Flanschlagerschild, IM 3601 A-Seite Flange IM 3601	9	Chaveta Key Clavette Chiavetta Paßfeder Chaveta
		10	Rodamiento lado opuesto acople N-end bearing Roulement côté opposé commande Cuscinetto lato N Wälzlager B-Seite Rolamento lado da ventoinha

11	<p>Ventilador Fan Ventilateur Ventola Lüfter Ventoinha</p>	17	<p>Bolsa de puentes Terminal board parts Ensemble barrettes connexions et écrous Basetta porta morsetti Brückentasche für Klemmenbrett Pontes de ligação</p>
12	<p>Escudo lado opuesto acople N-end endshield Flasque palier côté opposé commande Scudo lato N Lagerschild B-Seite Tampa lado da ventoinha</p>	18	<p>Tapa de bornes Terminal box cover Couvercle boîte à bornes Coprимorsettiera Klemmenkastendeckel Tampa de terminais</p>
13	<p>Tapeta interior rodamiento lado acople Inner bearing cover for D-end Couvercle de roulement intérieur côté commande Coperchio interno cuscinetto lato D Lagerdeckel innen A-Seite Vedante interior do rolamento</p>	19	<p>Placa de bornes Terminal board Plaque à bornes Morsettiera Klemmenbrett Placa de terminais</p>
14	<p>Protector ventilador Fan cover Capot de ventilateur Copriventola Lüfterhaube Protector da ventoinha</p>	20	<p>Pasataladros Rubber gasket Joint en caoutchouc Guarnizione in gomma Gummiversatz für Durchgangsloch Junta de borracha</p>
15	<p>Patas desmontables Loose feet Pattes amovibles Piedi smontabili Abschraubare Füße Patas removíveis</p>	21	<p>Tapón y prensaestopas (no mostrado en la fig.) Plug and cable-gland (not shown in the fig.) Bouchon et presse-étoupe (non illustré sur la fig.) Tappo e pressacavi (non visibile in fig.) Töpsel und verschraubung (nicht dargestellt) Tampao e bucin (nao se mostra na fig.)</p>
16	<p>Junta tapa de bornes Packing Joint de la boîte à bornes Guarnizione Dichtung Klemmenkastendeckel Junta da tampa de terminais</p>	22	<p>Arandela juego axial Spring washer Rondelle élastique Rondella elastica Federscheibe Anilha de mola</p>

- 23 Tapón drenaje  
Drainage plug  
Bouchon de purge  
Tappo del foro di drenaggio  
Kondenswasserstöpsel  
Tampao de drenagem
- 24 Anillo toroidal lado acople  
O-ring for D-end  
Joint d'étanchéité alésage roulement  
côté commande  
Anello di tenuta lato D  
Dichtring A-Seite  
Junta de estanquicidade lado do veio
- 25 Anillo toroidal lado opuesto acople  
O-ring for N-end  
Joint d'étanchéité alésage roulement  
côté appposé commande  
Anello di tenuta lato N  
Dichtring B-Seite  
Junta de estanquicidade lado da  
ventoinha
- 26 Protector eje (no mostrado en la fig.)  
Shaft protection (not shown in the fig.)  
Protection arbre (non illustré sur la fig.)  
Protezione de l'albero (non visibile in  
fig.)  
Schutz aus welle (nicht dargestellt)  
Portector da eje (nao se mostra na fig.)

**M3AA 071 ÷ 160E**

Part. Nº	Tipo Type M3AA	Código de artículo Article Number	Observaciones Remarks	Cantidad por motor Quantity per motor
1			1)	
2			1)	
3			1)	
4	071 080 090 100 - 112 132 132 SM_ 160 E	3GZE213070-1 3GZE213080-1 3GZE213090-1 3GZE213100-2 AE42536113-1 AE42536113-2 3GZE213150-2		1 1 1 1 1 1 1
5A	071 080 090 100-112 132 132 132 SM_ 132 SM_ 160 E	3GZE223070-1 3GZE223080-1 3GZE223090-1 3GZE223100-2 3GZE425205-1 (Al) AE42536313-1 (Fe) 3GZE425205-2 AE42536313-2 (Fe) 3GZE223150-2 (Fe)		1 1 1 1 1 1 1 1 1
5B	071 080 090 100 - 112 132 132 SM_ 160 E	3GZE223071-1 3GZE223081-1 3GZE223091-1 3GZE223101-2 AE42536413-1 (Fe) AE42536413-2 (Fe) 3GZE223152-2 (Fe)	FT165 (Ø ext. 200) FT165 (Ø ext. 200) FT215 (Ø ext. 250)	1 1 1 1 1 1 1
6A	071 080 090 100 - 112 132 132 SM_	3GVC071034-C 3GVC081034-A 3GZE213097-1 AE42536510-2 AE42536513-1 AE42536513-2		1 1 1 1 1 1
6B	071 - 080 071÷090 071÷090 071÷112 071÷112 100 - 112 132 - 132 SM_ 132 - 132 SM_	AC42595101-1 AC42595111-1 AC42595121-1 AC42595131-1 AC42595141-1 AC42595151-1 AC42595156-1 AC42595166-1	FF85 (Ø ext. 105) FF100 (Ø ext. 120) FF115 (Ø ext. 140) FF130 (Ø ext. 160) FF165 (Ø ext. 200) FF215 (Ø ext. 250) FF215 (Ø ext. 250) FF265 (Ø ext. 300)	1 1 1 1 1 1 1 1
6C	071÷090 071÷090 071÷090 071÷112 071÷112 100 - 112 132 - 132 SM_ 132 - 132 SM_	AC42595101-2 AC42595111-2 AC42595121-2 AC42595131-2 AC42595141-2 AC42595151-2 AC42595156-2 AC42595166-2	FT 85 (Ø ext. 105) FT100 (Ø ext. 120) FT115 (Ø ext. 140) FT130 (Ø ext. 160) FT165 (Ø ext. 200) FT215 (Ø ext. 250) FT215 (Ø ext. 250) FT265 (Ø ext. 300)	1 1 1 1 1 1 1 1
7	071 080 090 100 - 112 132 132 SM_ 160 E	3GZE234001-203 3GZE234001-204 3GZE234001-205 3GZE234001-306 3GZE234001-208 3GZE234001-308 3GZE234001-309	6203-2Z/C3 6204-2Z/C3 6205-2Z/C3 6306-2Z/C3 6208-2Z/C3 6308-2Z/C3 6309-2Z/C3	1 1 1 1 1 1 1

Part. Nº	Tipo Type M3AA	Código de artículo Article Number	Observaciones Remarks	Cantidad por motor Quantity per motor
<b>8</b>	071	3GZE264001-7	V-16A	1
	071	3GZE264007-135	17 x 28 x 7 (OP1)	1
	080	3GZE264001-9	V-20A	1
	080 (Al. end-shield)	3GZE264007-146	20 x 40 x 7 (OP1)	1
	080 (Fe end-shield)	3GZE264007-139	20 x 30 x 7 (OP1)	1
	090	3GZE264001-11	V-25A	1
	090 (Al end-shield)	3GZE264007-157	25 x 42 x 7 (OP1)	1
	090 (Fe end-shield)	3GZE264007-159	25 x 47 x 7 (OP1)	1
	100 - 112	3GZE264001-13	V-30A	1
	100 - 112 (Al end-shield)	3GZE264007-169	30 x 47 x 7 (OP1)	1
	100 - 112 (Fe end-shield)	3GZE264007-170	30 x 52 x 7 (OP1)	1
	132 - 132 SM_	3GZE264001-17	V-40A	1
	132 - 132 SM_	3GZE264007-185	40 x 62 x 7 (OP1)	1
	160 E	3GZE264001-18	V-45	1
	160 E	3GZE264007-195	45 x 80 x 10 (OP1)	1
	OP1: Retén de aceite / Oil-seal / Loint d'étanchéité / Tenuta olio / Öldichtring / Vedante de óleo			
<b>9</b>	071	3GZE324001-187		1
	080	3GZE324001-234		1
	090	3GZE324001-303		1
	100	3GZE324001-305		1
	112	3GZE324001-305		1
	132 - 132 SM_	3GZE324001-377		1
	160 E	3GZE324001-448		1
<b>10</b>	071	3GZE234001-202	6202 2Z/C3	1
	080	3GZE234001-203	6203 2Z/C3	1
	090	3GZE234001-204	6204-2Z/C3	1
	100 - 112	3GZE234001-205	6205-2Z/C3	1
	132 ÷ 160 E	3GZE234001-206	6206-2Z/C3	1
<b>11</b>	071 2 poles	3GZE304070-1		1
	071 4÷8 poles	3GZE304071-1		1
	071	3GVC081050-A	7) (OP1)	1
	080 2 poles	3GZE304080-1		1
	080 4÷8 poles	3GZE304081-1		1
	080	3GVC071050-A	7) (OP1)	1
	090 2 poles	3GZE304090-1		1
	090 4÷8 poles	3GZE304091-1		1
	090	3GZE304093-1	8) (OP1)	1
	100 - 112 2 pol.	3GZE304100-1		1
	100 - 112 4÷8 pol.	3GZE304101-1		1
	100 - 112	3GZE304103-1	8) (OP1)	1
	132÷160 E 2 poles	AE42295045-14		1
	132÷160 E 2 poles	3GZS422200-2	8) (OP1)	1
	132÷160 E 4÷8 poles	AE42295045-15		1
132÷160 E 4÷8 poles	3GZS422201-2	8) (OP1)	1	
OP1: Ventilador metálico / Metallic fan / Ventilateur métallique / Ventola in alluminio / Metallischer Lüfter / Ventoinha metálica				
<b>12</b>	071	3GZE203070-1		1
	080 A-B-C	3GZE203080-1		1
	080 D	3GZE203081-1		1
	090 S-L_	3GZE203090-1		1
	090 LD	3GZE203091-1		1
	100 - 112	3GZE203100-1		1
	100 LD	3GZE203101-1		1
	132 Short	AE42536013-1		1
	132 Large	3GZE203132-1		1
	132 SM_ - 160 E	AE42536013-1		1

Part. N°	Tipo Type M3AA	Código de artículo Article Number	Observaciones Remarks	Cantidad por motor Quantity per motor
13	071 (Retaining ring, bore)	9ABA137-17	Ø 40x1.85	1
	080 (Retaining ring, bore)	9ABA137-20	Ø 47x1.75	1
	090	3GZE244090-2		1
	100 - 112	3GZE244100-1		1
	132	3GZS221202-1		1
	132 SM_	3GZS221202-2		1
	160 E	3GZV244001-J		1
14	071	3GZE314070-5		1
	071	3GZE314070-4	(OP2)	1
	071	3GVC071028-C	(OP1)	1
	080	3GZE314080-5		1
	080	3GVC081028-C	(OP1)	1
	080	3GZE314080-4	(OP2)	1
	090	3GZE314090-5		1
	090	3GZE314090-6	(OP1)	1
	090	3GZE314090-7	(OP2)	1
	100 - 112	3GZE314100-5		1
	100 - 112	3GZE314100-6	(OP1)	1
	100 - 112	3GZE314100-7	(OP2)	1
	132 ÷ 160E	3GZE314130-2		1
	132 ÷ 160E	3GZS425213-A	(OP1)	1
132 ÷ 160E	3GZS425224-4	(OP2)	1	
<p>OP1: Protector de ventilador metálico / Metallic fan cover / Capot de ventilateur métallique / Copriventola in metallo / Metallische Lüfterhaube / Protector de ventionha metálico</p> <p>OP2: Doble protector de ventilador / Protective roof / Capot marche verticale / Tettuccio parapigioggia / Schutzdach / Campânula de protecção</p>				
15	090 S	3GZE114092-2		2
	090 L_	3GZE114093-2		2
	100	3GZE114102-2		2
	112	3GZE114113-3	Izquierda / Left	1
	112	3GZE114113-4	Derecha / Right	1
16	071 - 080	3GZE264070-1		1
	071 - 080	3GZE264074-1	(OP1)	1
	090 - 100 - 112	3GZE264090-1		1
	090 - 100 - 112	3GZE264090-2	(OP1)	1
	132 ÷ 160 E	3GZV264006-1		1
	132 ÷ 160 E	AE21525406-2	(OP1)	1
<p>OP1: Junta para tapa de bornes de altura reducida / Gasket for lower terminal box cover / Joint pour couvercle de boîte à bornes hauteur réduite / Guarnizioni per coperchio scalota morsetti ribassata / Dichtung für Reduziertes Klemmenkastendeckel U. / Junta para tampa determinais mais baixa</p>				
17	071 - 080	3GZE283070-A		1
	090 - 100 - 112	AE43455026-E		1
	132	AE43455026-A		1
	132 SM_ - 160 E	3GZE283140-A		1
18	071 - 080	3GZE274070-1		1
	071 - 080	3GZE274074-6	(OP1)	1
	090 - 100 - 112	3GZE274090-1		1
	090 - 100 - 112	3GZE274090-2	(OP1)	1
	132 ÷ 160 E	AE43465018-1		1
	132 ÷ 160 E	AE43465025-6	(OP1)	1
<p>OP1:Tapa de bornes de altura reducida / Lower terminal box cover / Couvercle boîte à bornes hauteur réduite / Coperchio scalota morsetti ribassata / Reduziertes Klemmenkastendeckel U. / Tampa determinais mais baixa</p>				
19	071 - 080	3GZE284070-A	3)	1
	090 - 100 - 112	3GZE284090-A	3)	1
	112 HO - 132	AC43455015-A	3)	1
	132 SM_ - 160 E	3GZV284001-3	3)	1

<b>Part. N°</b>	<b>Tipo Type M3AA</b>	<b>Código de artículo Article Number</b>	<b>Observaciones Remarks</b>	<b>Cantidad por motor Quantity per motor</b>
<b>20</b>	071 - 080	3GZE264001-3		1
	090 - 100 - 112	AE21525005-1		1
	132	AE21525005-6	Derecha / Right	1
	132	AE21525005-8	Izquierda / Left	1
	132 SM_ - 160 E	3GZE264015-1		1
<b>21</b>	071÷132	3GZE294001-3	5) (OP1)	1
	071÷132	3GZE294004-3	5) (OP2)	1
	090÷132	3GZE294001-4	4) (OP1)	1
	090÷132	3GZE294004-4	4) (OP2)	1
	132 SM_ - 160 E	3GZE294001-5	12) (OP1)	1
	132 SM_ - 160 E	3GZE294004-5	12) (OP2)	1
	OP1: Tapón / Plug / Bouchon / Tappo / Töpsel / Tampao OP2: Prensaestopas / Cable-glands / Presse-etoupe / Pressacavi / Verschraubung / Bucins			
<b>22</b>	071	3GZE334001-108		1
	080	3GZE334001-109		1
	090	3GZE334001-3		1
	100 - 112	3GZE334001-4		1
	132 ÷ 160 E	3GZE334001-113		1
<b>23</b>	071 ÷ 160 E	2522136-1		2
<b>24</b>	132	3GZE484001-43		1
	132 SM_	3GZE484001-51		1
	160 E	3GZE484001-44		1
<b>25</b>	132 ÷ 160 E	3GZE484001-49		1
<b>26</b>	071	3GZE484070-1		1
	080	3GZE484080-1		1
	090	3GZE484090-1		1
	100 - 112	3GZE484100-1		1
	132	3GZE484130-1		1
	160 E	-		-

**Embalajes / Packaging / Emballage / Imballo / Verpackung / Embalagem**

Part. N°	Tipo Type M3AA	No.	Observaciones Remarks	Cantidad por motor Quantity per motor
-	071	3GZE373070-1	IM1001/IM3601	1
-	071	3GZE373070-2	IM3001	1
-	080	3GZE373080-1	IM1001/IM3601	1
-	080	3GZE373080-2	IM3001	1
-	090S	3GZE374090-1	IM1001/IM3601	1
-	090S	3GZE374090-2	IM3001	1
-	090L	3GZE374091-1	IM1001/IM3601	1
-	090L	3GZE374091-2	IM3001	1
-	100	3GZE374100-1	IM1001/IM3601	1
-	100	3GZE374100-2	IM3001	1
-	112	3GZE374110-1	IM1001/IM3601	1
-	112	3GZE374110-2	IM3001	1
-	132	3GZE374130-1	IM1001	1
-	132	3GZE374130-A	IM3001	1
	132 SM_	3GZE374131-1	IM2001/IM2001	1
	132 SM_	3GZE374131-A	IM3001	1
	160 E	3GZE374151-1	IM1001	1
	160 E	3GZE374151-A	IM3001	1

**Libro instrucciones de montaje y mantenimiento / Mounting and maintenance instructions / Notice d'instructions de montage et de maintenance / Manuale uso e manutenzione / Betriebsanleitungs-und Instandhaltungs Handbuch / Instruções de montagem e manutenção**

Part. N°	Tipo Type M3AA	No.	Observaciones Remarks	Cantidad por motor Quantity per motor
-	071÷160 E	3GZB500017-ES		1

**Engrasador y protector de engrasador / Grease nipples and plastic plug / Graisseur avec bouchon plastique / Ingrassatori e tappi / Schmiernippel und Schmiernippelschutz / Lubrificadores e tampão de plástico**

Part. N°	Tipo Type M3AA	No.	Observaciones Remarks	Cantidad por motor Quantity per motor
-	071÷160 E	AC25452021-21	10)	2
-	071÷160 E	AC25454001-1	11)	2

**“132 Short” includes:**

Generation E	
SB-2	S-6
M-4	MA-6
MA-4	S-8
MBA-4	M-8

**“132 Large” includes:**

Generation E
SC-2 (IE2)
MC-6

**Observaciones / Remarks / Observations / Annotazioni / Bemerkungen /  
Observações**

- |   |   |
|---|---|
| <p>1) Consultar ABB<br/>Consult ABB<br/>Consulter ABB<br/>Contattare ABB<br/>Bei ABB nachfragen<br/>Consultar ABB</p>   | <p>8) Ventilador AI (anillo tolerancia incluido)<br/>Aluminium fan (tolerance ring included)<br/>Ventilateur Alluminium (bague de tolérance incluse)<br/>Ventola in Alluminio (anello di fissaggio incluso)<br/>Alu-Lüfter (inkl. Toleranzring)<br/>Ventoinha de aluminio (anilha de tolerância incluido)</p> |
| <p>3) Placa terminales completa<br/>Complete terminal board<br/>Plaque à bornes complète<br/>Morsettiera completa<br/>Komplettes Klemmenbrett<br/>Placa de terminais completa</p>   | <p>9) Distanciales y tornillos incluidos<br/>Spacers and screws included<br/>Séparateurs et vis inclus<br/>Distanziali e viti inclusi<br/>Inkl. Abstandshalter und Schrauben<br/>Espaceadores e parafusos incluidos</p>   |
| <p>4) M25 (tuerca incluida)<br/>M25 (nut included)<br/>M25 (écrou inclus)<br/>M25 (non incluso)<br/>M25 Inkl. Mutter<br/>M25 (porca incluida)</p>   | <p>10) Engrasador<br/>Grease nipple<br/>Graisseur<br/>Ingrassatori<br/>Schmiernippel<br/>Lubrificador</p>   |
| <p>5) M20 (tuerca incluida)<br/>M20 (nut included)<br/>M20 (écrou inclus)<br/>M20 (non incluso)<br/>M20 Inkl. Mutter<br/>M20 (porca incluida)</p>   | <p>11) Protector de engrasador<br/>Plastic plug<br/>Bouchon graisseur en plastique<br/>Tappi<br/>Schmiernippelschutz<br/>Tampão de plástico</p>   |
| <p>7) Ventilador AI (anillo ajuste incluido)<br/>Aluminium fan (adjusting ring included)<br/>Ventilateur Aluminium (bague ajustée incluse)<br/>Ventola in Alluminio (anello di adattamento incluso)<br/>Alu-Lüfter (inkl. Passring)<br/>Ventoinha de aluminio (anilha de ajuste incluido)</p> | <p>12) M32 (tuerca incluida)<br/>M32 (nut included)<br/>M32 (écrou inclus)<br/>M32 (non incluso)<br/>M32 Inkl. Mutter<br/>M32 (porca incluida)</p>  |



## MAIN CHANGES BETWEEN GENERATIONS

		<b>MOTOR TYPE</b> <b>071 - 080</b>
GENERATION CODE	<b>E</b>	BEGINNING (AFTER BEING HARMONIZED FROM M2VA)

		<b>MOTOR TYPE</b> <b>090 - 100 - 112</b>
GENERATION CODE	<b>B</b>	BEGINNING
	FROM B TO <b>A</b>	ALUMINIUM FLANGES AS STANDARD DRAIN HOLES AS STANDARD
	FROM A TO <b>E</b>	UNIFIED LOOK FOR THE WHOLE RANGE: <ul style="list-style-type: none"> <li>- LOOSE-FEET</li> <li>- METALLIC FAN COVER</li> <li>- SERIE 62 BEARING IN D-END FOR 090</li> <li>- METALLIC RATING PLATE</li> <li>- NEW END-SHIELDS</li> <li>- NEW FRAME</li> </ul> BEGINNING FOR 112 E GENERATION
	GENERATION <b>E</b> UPDATED	<ul style="list-style-type: none"> <li>- FIXED FEET</li> <li>- LOOSE-FEET AS AN OPTION</li> <li>- NEW FRAME FOR TYPE 112</li> <li>- NEW ND END-SHIELD FOR 090LD</li> <li>- NEW ND END-SHIELD FOR 100LD</li> <li>- NEW DESIGNS: IE2 MOTORS</li> </ul>

		<b>MOTOR TYPE</b> <b>112 - 132</b>
GENERATION CODE	<b>B</b>	BEGINNING
	FROM B TO <b>E</b> (ONLY TYPE 132)	<ul style="list-style-type: none"> <li>- NEW EFFICIENCY REGULATIONS</li> <li>- NEW DESIGNS: IE2 MOTORS</li> </ul>

		<b>MOTOR TYPE</b> <b>132 SM_ - 160 E</b>
GENERATION CODE	<b>E</b>	BEGINNING

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