

# Increased safety aluminum motors - Variant codes

Code <sup>1)</sup> / Variant	90	100	112	132	160	180	200	225	250	280
<b>Balancing</b>										
052	Vibration acc. to Grade A (IEC 60034-14).	S	S	S	S	S	S	S	S	S
417	Vibration acc. to Grade B (IEC 60034-14).	P	NA	P	P	P	P	P	P	P
424	Full key balancing.	P	P	P	P	P	P	P	P	P
<b>Bearings and Lubrication</b>										
036	Transport lock for bearings.	M	M	M	M	M	M	M	M	M
037	Roller bearing at D-end.	M	M	P	P	M	P	M	M	M
039	Cold resistant grease.	M	M	M	M	M	P	P	P	P
040	Heat resistant grease.	M	M	M	P	P	P	P	P	NA
041	Bearings regreasable via grease nipples.	M	M	P	P	P	P	P	S	S
042	Locked drive-end.	S	S	S	S	S	S	S	S	S
043	SPM nipples.	NA	NA	NA	NA	P	P	P	P	P
057	2RS bearings at both ends.	M	M	P	P	P	P	P	NA	NA
058	Angular contact bearing at D-end, shaft force away from bearing.	P	P	P	P	P	P	P	NA	NA
059	Angular contact bearing at N-end, shaft force towards bearing.	P	P	P	P	P	P	P	P	P
188	63-series bearings	M	M	M	M	S	S	S	S	S
796	Grease nipples JIS B 1575 PT 1/8 Type A	NA	NA	M	M	M	M	M	M	M
<b>Branch standard designs</b>										
142	"Manilla connection"	P	P	P	P	P	P	P	P	P
178	Stainless steel / acid proof bolts.	M	M	M	M	P	P	P	P	P
209	Non-standard voltage or frequency, (special winding).	P	P	P	P	P	P	P	P	P
217	Cast iron D-end shield (on aluminium motor).	M	M	M	M	M	M	M	M	NA
425	Corrosion protected stator and rotor core.	P	P	P	P	P	P	P	NA	P
<b>Cooling system</b>										
068	Metal fan.	M	M	M	M	M	M	M	M	M
075	Cooling method IC418 (without fan).	P	P	P	P	P	P	P	P	NA
183	Separate motor cooling (fan axial, N-end).	M	M	M	P	P	P	P	P	P
792	Metal fasteners for fan cover	NA	NA	NA	NA	M	M	M	M	M
<b>Documentation</b>										
141	Binding dimension drawing.	M	M	M	M	M	M	M	M	M
<b>Drain holes</b>										
065	Plugged existing drain holes.	M	M	M	M	M	M	M	M	M
<b>Earthing Bolt</b>										
067	External earthing bolt.	M	M	M	M	M	M	M	M	M
<b>Hazardous Environments</b>										
273	Ex e II acc. to ATEX directive 94/9/EC , temp. class T3	P	P	M	P	P	P	P	P	P
<b>Heating elements</b>										
450	Heating element, 100-120V.	M	M	M	M	M	M	M	M	P
451	Heating element, 200-240V.	M	M	M	M	M	M	M	M	P
<b>Insulation system</b>										
014	Winding insulation class H.	P	P	P	P	P	P	P	P	P
405	Special winding insulation for frequency converter supply.	P	P	P	P	P	P	P	P	P
<b>Mounting arrangements</b>										
007	IM 3001 flange mounted, IEC flange, from IM 1001 (B5 from B3).	M	M	M	NA	NA	M	M	M	NA

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008 IM 2101 foot/flange mounted, IEC flange, from IM 1001 (B34 from B3).	M	M	M	M	M	NA	NA	NA	NA	NA
009 IM 2001 foot/flange mounted, IEC flange, from IM 1001 (B35 from B3).	M	M	M	M	M	M	M	M	M	M
047 IM 3601 flange mounted, IEC flange, from IM 3001 (B14 from B5).	M	M	M	M	M	NA	NA	NA	NA	NA
048 IM 3001 flange mounted, IEC flange, from IM 3601 (B5 from B14).	M	M	M	M	M	NA	NA	NA	NA	NA
066 Modified for non-standard mounting position (please specify IM xxxx), (must be ordered for all mounting arrangements excluding IM B3 (1001) and IM B5 (3001).	M	M	M	M	M	M	M	M	M	M
091 (IM 2001) foot/flange mounted, DIN A-flange, from IM 1001 (B35 from B3).	M	M	NA	NA	NA	NA	NA	NA	NA	NA
093 IM 3601 flange mounted, IEC flange, from IM 1001 (B14 from B3).	M	M	M	NA	NA	NA	NA	NA	NA	NA
200 Flange ring holder.	M	M	M	M	M	M	NA	NA	NA	NA
218 Flange ring FT 85.	M	NA	NA	NA	NA	NA	NA	NA	NA	NA
219 Flange ring FT 100.	M	NA	NA	NA	NA	NA	NA	NA	NA	NA
220 Flange ring FF 100.	M	NA	NA	NA	NA	NA	NA	NA	NA	NA
223 Flange ring FF 115.	M	NA	NA	NA	NA	NA	NA	NA	NA	NA
224 Flange ring FT 115.	M	NA	NA	NA	NA	NA	NA	NA	NA	NA
226 Flange ring FF 130.	M	M	M	NA	NA	NA	NA	NA	NA	NA
227 Flange ring FT 130.	M	M	M	NA	NA	NA	NA	NA	NA	NA
229 Flange FT 130.	M	M	M	NA	NA	NA	NA	NA	NA	NA
233 Flange ring FF 165.	M	M	M	NA	NA	NA	NA	NA	NA	NA
234 Flange ring FT 165.	M	M	M	NA	NA	NA	NA	NA	NA	NA
235 Flange FF 165.	M	M	M	NA	NA	NA	NA	NA	NA	NA
236 Flange FT 165.	NA	NA	NA	M	NA	NA	NA	NA	NA	NA
243 Flange ring FF 215.	P	M	M	M	NA	NA	NA	NA	NA	NA
244 Flange ring FT 215.	NA	M	M	M	NA	NA	NA	NA	NA	NA
245 Flange FF 215.	NA	M	M	NA	NA	NA	NA	NA	NA	NA
253 Flange ring FF 265.	NA	NA	NA	M	NA	NA	NA	NA	NA	NA
254 Flange ring FT 265.	NA	NA	NA	M	NA	NA	NA	NA	NA	NA
255 Flange FF 265.	NA	NA	NA	M	M	NA	NA	NA	NA	NA
260 Flange FT 115.	M	M	NA	NA	NA	NA	NA	NA	NA	NA
262 Flange FF 300.	NA	NA	NA	NA	M	M	NA	NA	NA	NA
263 Flange FF 350.	NA	NA	NA	NA	NA	NA	M	NA	NA	NA
282 Flange FF 400.	NA	NA	NA	NA	NA	NA	NA	M	NA	NA
302 Flange FF 500.	NA	NA	NA	NA	NA	NA	NA	NA	M	M
306 IM 1001 foot mounted, from IM 3601 (B3 from B14).	M	M	M	NA	NA	NA	NA	NA	NA	NA
307 IM 2101 foot/flange mounted, IEC flange, from IM 3601 (B34 from B14).	M	M	M	NA	NA	NA	NA	NA	NA	NA
308 IM 2001 foot/flange mounted, IEC flange, from IM 3601 (B35 from B14).	M	M	M	NA	NA	NA	NA	NA	NA	NA
309 IM 1001 foot mounted, from IM 3001 (B3 from B5).	M	M	M	NA	NA	M	M	M	M	M
310 IM 2101 foot/flange mounted, IEC flange, from IM 3001 (B34 from B5).	M	M	M	NA	NA	NA	NA	NA	NA	NA
311 IM 2001 foot/flange mounted, IEC flange, from IM 3001 (B35 from B5).	M	M	M	NA	NA	M	M	M	M	M
312 IM 1001 foot mounted, from IM 2101 (B3 from B34).	M	M	M	NA	NA	NA	NA	NA	NA	NA
313 IM 3601 flange mounted, IEC flange, from IM 2101 (B14 from B34).	M	M	M	NA	NA	NA	NA	NA	NA	NA
314 IM 3001 flange mounted, IEC flange, from IM 2101 (B5 from B34).	M	M	M	NA	NA	NA	NA	NA	NA	NA
315 IM 2001 foot/flange mounted, IEC flange, from IM 2101 (B35 from B34).	M	M	M	NA	NA	NA	NA	NA	NA	NA

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316 IM 1001 foot mounted, from IM 2001 (B3 from B35).	M	M	M	M	M	M	M	M	M	M
317 IM 3601 flange mounted, IEC flange, from IM 2001 (B14 from B35).	M	M	M	NA	NA	NA	NA	NA	NA	NA
318 IM 3001 flange mounted, IEC flange, from IM 2001 (B5 from B35).	M	M	M	NA	NA	M	NA	M	NA	NA
319 IM 2101 foot/flange mounted, IEC flange, from IM 2001 (B34 from B35).	M	M	M	NA	NA	NA	NA	NA	NA	NA
<b>Painting</b>										
114 Special paint colour, standard grade.	M	M	M	M	P	P	P	P	P	P
179 Special paint specification.	P	P	P	P	P	P	P	P	P	P
<b>Protection</b>										
005 Metal protective roof, vertical motor, shaft down.	M	M	M	M	M	M	M	M	M	M
072 Radial seal at D-end.	M	M	M	M	M	M	P	P	P	P
158 Degree of protection IP65.	M	M	M	P	P	P	P	P	P	P
211 Weather protected, IP xx W	P	P	P	P	P	P	P	P	P	P
403 Degree of protection IP56.	M	M	P	P	P	P	P	P	P	P
404 Degree of protection IP56, without fan and fan cover	P	P	P	P	P	P	NA	NA	NA	NA
784 Gamma-seal at D-end.	M	M	NA	NA	NA	NA	NA	NA	NA	NA
<b>Rating &amp; instruction plates</b>										
002 Restamping voltage, frequency and output, continuous duty.	M	M	M	M	M	M	M	M	M	M
003 Individual serial number.	M	M	M	M	M	M	M	M	M	M
004 Additional text on std rating plate (max 12 digits on free text line)	NA	NA	M	M	NA	NA	NA	NA	NA	NA
095 Restamping output (maintained voltage, frequency), intermittent duty.	M	M	M	M	M	M	M	M	M	M
098 Stainless rating plate.	M	M	M	M	M	M	M	M	M	M
135 Mounting of additional identification plate, stainless.	M	M	M	M	M	M	M	M	M	M
138 Mounting of additional identification plate, aluminium.	M	M	M	M	M	M	M	M	M	M
139 Additional identification plate delivered loose.	M	M	M	M	M	M	M	M	M	M
160 Additional rating plate affixed.	M	M	M	M	M	M	P	P	P	P
161 Additional rating plate delivered loose.	M	M	M	M	M	M	M	M	M	M
162 Rating plate fixed to stator.	M	M	M	M	M	M	NA	NA	NA	NA
198 Aluminium rating plate.	S	S	M	M	S	S	S	S	S	S
<b>Shaft &amp; rotor</b>										
069 Two shaft extensions as per basic catalogue.	P	P	P	P	P	P	P	P	P	P
070 One or two special shaft extensions, standard shaft material.	P	P	P	P	P	P	P	P	P	P
165 Shaft extension with open key-way.	P	P	NA	NA	NA	NA	NA	NA	NA	NA
410 Stainless steel shaft (standard or non-standard design).	P	P	P	P	P	P	P	P	P	P
<b>Stator winding temperature sensors</b>										
121 Bimetal detectors, break type (NCC), (3 in series), 130°C, in stator winding.	M	M	M	M	M	M	M	M	M	M
122 Bimetal detectors, break type (NCC), (3 in series), 150°C, in stator winding.	M	M	M	M	M	M	M	M	M	M
123 Bimetal detectors, break type (NCC), (3 in series), 170°C, in stator winding.	M	M	P	P	P	P	P	P	P	P
125 Bimetal detectors, break type (NCC), (2x3 in series), 150°C, in stator winding.	M	M	P	P	P	M	P	P	P	P
127 Bimetal detectors, break type (NCC), (3 in series, 130°C & 3 in series, 150°C), in stator winding.	M	M	P	P	P	P	P	P	P	P
321 Bimetal detectors, closing type (NO), (3 in parallel), 130°C, in stator winding.	M	M	M	M	M	M	M	M	M	M

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322 Bimetal detectors, closing type (NO), (3 in parallel), 150°C, in stator winding.	M	M	M	M	M	M	M	M	M	M
323 Bimetal detectors, closing type (NO), (3 in parallel), 170°C, in stator winding.	P	P	P	P	P	P	NA	NA	NA	NA
325 Bimetal detectors, closing type (NO), (2x3 in parallel), 150°C, in stator winding.	P	P	P	P	P	P	NA	NA	NA	NA
327 Bimetal detectors, closing type (NO), (3 in parallel, 130°C & 3 in parallel, 150°C), in stator winding.	P	P	P	P	P	P	P	P	P	P
435 PTC - thermistors (3 in series), 130°C, in stator winding.	M	M	M	M	M	M	M	M	M	M
436 PTC - thermistors (3 in series), 150°C, in stator winding.	M	M	M	M	M	M	S	S	S	S
437 PTC - thermistors (3 in series), 170°C, in stator winding.	M	M	M	M	M	M	M	M	P	P
439 PTC - thermistors (2x3 in series), 150°C, in stator winding.	M	M	M	P	P	P	P	P	P	P
441 PTC - thermistors (3 in series, 130°C & 3 in series, 150°C), in stator winding.	M	M	P	M	P	P	P	P	P	P

#### Terminal box

015 Motor supplied in D connection.	M	M	NA	NA	NA	NA	NA	NA	NA	NA
016 9 terminals in terminal box	P	P	P	P	P	P	NA	NA	NA	NA
017 Motor supplied in Y connection.	M	M	NA	NA	NA	NA	NA	NA	NA	M
018 D connection in terminal box (reconnection from Y), single phase Steinmetz.	M	M	NA	NA	NA	NA	NA	NA	NA	NA
019 Larger than standard terminal box	NA	NA	NA	NA	P	P	P	NA	NA	NA
021 Terminal box LHS (seen from D-end).	P	P	NA	NA	NA	NA	NA	P	P	P
112 Mounting of plug-in contact	NA	M	NA	NA	NA	NA	NA	NA	NA	NA
136 Extended cable connection, standard terminal box.	M	M	NA	NA	NA	NA	NA	NA	NA	NA
137 Extended cable connection, low terminal box, "Flying leads".	P	P	P	P	P	P	NA	NA	NA	NA
180 Terminal box RHS (seen from D-end).	P	P	P	NA	NA	NA	P	M	P	P
230 Standard metal cable glands.	M	M	M	M	M	M	M	M	M	M
375 Standard plastic cable gland	M	M	M	M	M	M	M	M	M	M
376 Two standard plastic cable glands	M	M	M	M	NA	NA	M	M	M	M
418 Separate terminal box for auxiliaries, std. material	NA	NA	NA	NA	NA	P	NA	P	NA	NA
731 Two standard metal cable glands.	M	M	M	M	M	M	M	M	M	M

#### Testing

145 Type test report from a catalogue motor, 400V 50Hz.	M	M	M	M	M	M	M	M	M	M
146 Type test with report for motor from specific delivery batch.	M	M	M	M	M	M	M	M	M	M
147 Type test with report for motor from specific delivery batch, customer witnessed.	M	M	M	M	M	M	M	M	M	M
148 Routine test report.	M	M	M	M	M	M	M	M	M	M
149 Test according to separate test specification.	M	M	M	M	M	M	M	M	M	M
153 Reduced test for classification society.	M	M	M	M	M	M	M	M	M	P
221 Type test and multi-point load test with report for motor from specific delivery batch.	M	M	M	M	M	M	M	M	M	M
222 Torque/speed curve, type test and multi-point load test with report for motor from specific delivery batch.	M	M	M	M	M	M	M	M	M	M
760 Vibration level test	M	M	M	M	M	M	NA	NA	NA	NA
762 Noise level test.	M	M	M	M	M	M	NA	NA	NA	NA

#### Variable speed drives

704 EMC cable gland.	P	P	P	P	P	P	P	P	P	P
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#### Y/D starting

118 Terminals for Y/D start at high speed (two speed windings).	P	P	P	P	P	P	P	P	P	P
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# Increased safety cast iron motors - Variant codes

Code <sup>1)</sup> / Variant	80	90	100	112	132	160	180	200	225	250	280	315	355	400
<b>Balancing</b>														
052	Vibration acc. to Grade A (IEC 60034-14).													
417	Vibration acc. to Grade B (IEC 60034-14).													
424	Full key balancing.													
<b>Bearings and Lubrication</b>														
036	Transport lock for bearings.													
037	Roller bearing at D-end.													
040	Heat resistant grease.													
041	Bearings regreasable via grease nipples.													
043	SPM nipples.													
058	Angular contact bearing at D-end, shaft force away from bearing.													
107	Pt100 2-wire in bearings													
130	Pt100 3-wire in bearings													
194	2Z bearings greased for life at both ends													
433	Outlet grease collector													
796	Grease nipples JIS B 1575 PT 1/8 Type A													
797	Stainless steel SPM Nipples													
798	Stainless steel grease nipples													
<b>Brakes</b>														
412	Built-on brake.													
<b>Branch standard designs</b>														
178	Stainless steel / acid proof bolts.													
204	Jacking bolts for foot mounted motors													
209	Non-standard voltage or frequency, (special winding).													
425	Corrosion protected stator and rotor core.													
786	Special design shaft upwards (V3, V36, V6) for outdoor mounting.													
<b>Cooling system</b>														
044	Unidirectional fan, clockwise seen from D-end. 2-pole motors only.													
045	Unidirectional fan, counter clockwise seen from D-end. 2-pole motors only.													
068	Metal fan.													
183	Separate motor cooling (fan axial, N-end).													
422	Separate motor cooling (fan top or side, N-end).													
791	Stainless steel fan cover													
<b>Coupling</b>														
035	Assembly of customer supplied coupling-half.													
<b>Documentation</b>														
141	Binding dimension drawing.													
<b>Drain holes</b>														
065	Plugged existing drain holes.													
448	Draining holes with metal plugs.													

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<b>Hazardous Environments</b>														
272	Ex e II acc. to ATEX directive 94/9/EC , temp. class T2		NA	NA	NA	NA	NA	P	P	P	P	P	P	P
<b>Heating elements</b>														
450	Heating element, 100-120V.		P	P	P	P	P	P	P	P	P	P	P	P
451	Heating element, 200-240V.		P	P	P	P	P	P	P	P	P	P	P	P
<b>Mounting arrangements</b>														
008	IM 2101 foot/flange mounted, IEC flange, from IM 1001 (B34 from B3).		P	P	P	P	P	NA	NA	NA	NA	NA	NA	NA
009	IM 2001 foot/flange mounted, IEC flange, from IM 1001 (B35 from B3).		P	P	P	P	P	P	P	P	P	P	P	P
047	IM 3601 flange mounted, IEC flange, from IM 3001 (B14 from B5).		P	P	P	P	P	NA	NA	NA	NA	NA	NA	NA
066	Modified for non-standard mounting position (please specify IM xxxx), (must be ordered for all mounting arrangements excluding IM B3 (1001) and IM B5 (3001)).		P	P	P	P	P	P	P	P	P	P	P	P
228	Flange FF 130.		P	P	P	P	NA	NA	NA	NA	NA	NA	NA	NA
229	Flange FT 130.		P	P	P	P	NA	NA	NA	NA	NA	NA	NA	NA
235	Flange FF 165.		NA	NA	NA	NA	P	NA	NA	NA	NA	NA	NA	NA
236	Flange FT 165.		NA	NA	NA	NA	P	NA	NA	NA	NA	NA	NA	NA
245	Flange FF 215.		NA	NA	P	P	P	NA	NA	NA	NA	NA	NA	NA
246	Flange FT 215.		NA	NA	P	P	P	NA	NA	NA	NA	NA	NA	NA
255	Flange FF 265.		NA	NA	NA	NA	P	NA	NA	NA	NA	NA	NA	NA
256	Flange FT 265.		NA	NA	NA	NA	P	NA	NA	NA	NA	NA	NA	NA
257	Flange FF 100.		P	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
258	Flange FT 100.		P	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
259	Flange FF 115.		P	P	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
260	Flange FT 115.		P	P	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
305	Additional lifting lugs.		NA	NA	NA	NA	NA	NA	NA	NA	NA	P	P	P
306	IM 1001 foot mounted, from IM 3601 (B3 from B14).		P	P	P	P	P	NA	NA	NA	NA	NA	NA	NA
309	IM 1001 foot mounted, from IM 3001 (B3 from B5).		P	P	P	P	P	NA	NA	NA	NA	NA	NA	NA
<b>Painting</b>														
106	Paint thickness = 80 µm.		S	S	S	S	S	S	S	S	S	S	S	S
109	Paint thickness = 120 µm.		P	P	P	P	P	P	P	P	P	P	P	P
110	Paint thickness = 160 µm.		P	P	P	P	P	P	P	P	P	P	P	P
111	Offshore two-pack polyamide cured epoxy paint 160 µm.		P	P	P	P	P	P	P	P	P	P	P	P
114	Special paint colour, standard grade.		P	P	P	P	P	P	P	P	P	P	P	P
115	Offshore zink primer painting.		P	P	P	P	P	P	P	P	P	P	P	P
179	Special paint specification.		R	R	R	R	R	R	R	R	R	R	R	R
<b>Protection</b>														
005	Metal protective roof, vertical motor, shaft down.		P	P	P	P	P	P	P	P	P	P	P	P
072	Radial seal at D-end.		P	P	P	P	P	P	P	P	P	P	NA	NA
073	Sealed against oil at D-end.		P	P	P	P	P	P	P	P	P	P	P	P
158	Degree of protection IP65.		P	P	P	P	P	P	P	P	P	P	P	P
211	Weather protected, IP xx W		R	R	R	R	R	R	R	R	R	R	R	R
403	Degree of protection IP56.		P	P	P	P	P	P	P	P	P	P	P	P
434	Degree of protection IP56, open deck.		NA	NA	NA	NA	NA	P	P	P	P	P	P	P
783	Labyrinth sealing at D-end.		P	P	P	P	P	P	P	P	P	P	S	S

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Code <sup>1)</sup> / Variant		80	90	100	112	132	160	180	200	225	250	280	315	355	400
<b>Rating &amp; instruction plates</b>															
002	Restamping voltage, frequency and output, continuous duty.	R	R	R	R	R	P	P	P	P	P	P	P	P	P
135	Mounting of additional identification plate, stainless.	P	P	P	P	P	P	P	P	P	P	P	P	P	P
139	Additional identification plate delivered loose.	P	P	P	P	P	P	P	P	P	P	P	P	P	P
161	Additional rating plate delivered loose.	P	P	P	P	P	P	P	P	P	P	P	P	P	P
<b>Shaft &amp; rotor</b>															
069	Two shaft extensions as per basic catalogue.	R	R	R	R	R	P	P	P	P	P	P	P	P	P
070	One or two special shaft extensions, standard shaft material.	P	P	P	P	P	P	P	P	P	P	P	P	P	P
164	Shaft extension with closed key-way.	S	S	S	S	S	S	S	S	S	S	R	R	R	R
165	Shaft extension with open key-way.	P	P	P	P	P	R	R	R	R	R	S	S	S	S
410	Stainless steel shaft (standard or non-standard design).	R	R	R	R	R	R	R	R	R	R	P	P	P	P
<b>Standards and Regulations</b>															
421	VIK design (Verband der industriellen Energie- und Kraftwirtschaft e.V.)	P	P	P	P	P	P	P	P	P	P	P	P	P	P
773	EEMUA No 132 1988 design	R	R	R	R	R	R	R	R	R	R	R	R	R	R
774	Design according to NORSOK (Norwegian Territorial Waters).	P	P	P	P	P	P	P	P	P	P	P	P	P	P
775	Design according to SHELL DEP 33.66.05.31-Gen. January 1999 design.	P	P	P	P	P	P	P	P	P	P	P	P	P	P
<b>Stator winding temperature sensors</b>															
435	PTC - thermistors (3 in series), 130°C, in stator winding.	S	S	S	S	S	S	S	S	S	S	S	S	S	S
440	PTC - thermistors (3 in series, 110°C & 3 in series, 130°C), in stator winding.	P	P	P	P	P	P	P	P	P	P	P	P	P	P
445	Pt-100 2-wire in stator winding, 1 per phase	P	P	P	P	P	P	P	P	P	P	P	P	P	P
446	Pt-100 2-wire in stator winding, 2 per phase	NA	NA	NA	NA	NA	P	P	P	P	P	P	P	P	P
502	Pt-100 3-wire in stator winding, 1 per phase	P	P	P	P	P	P	P	P	P	P	P	P	P	P
503	Pt-100 3-wire in stator winding, 2 per phase	NA	NA	NA	NA	NA	P	P	P	P	P	P	P	P	P
<b>Terminal box</b>															
021	Terminal box LHS (seen from D-end).	NA	NA	NA	NA	NA	P	P	P	P	P	P	P	P	P
137	Extended cable connection, low terminal box, "Flying leads".	NA	NA	NA	NA	NA	P	P	P	P	P	P	P	P	P
157	Terminal box degree of protection IP65.	P	P	P	P	P	P	P	P	P	P	P	P	P	P
180	Terminal box RHS (seen from D-end).	NA	NA	NA	NA	NA	P	P	P	P	P	P	P	P	P
187	Cable glands of non-standard design.	NA	NA	NA	NA	NA	R	R	R	R	R	R	R	R	R
380	Separate terminal box for temperature detectors, std. material	NA	NA	NA	NA	NA	P	P	P	P	P	P	P	P	P
400	4 x 90 degr turnable terminal box	S	S	S	S	S	P	P	S	S	S	S	S	S	S
402	Terminal box adapted for AI cables.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	S	S	S	S
413	Extended cable connection, no terminal box.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	P	P	P	P
418	Separate terminal box for auxiliaries, std. material	NA	NA	NA	NA	NA	P	P	P	P	P	P	P	P	P
466	Terminal box at N-end.	NA	NA	NA	NA	NA	R	R	P	P	P	P	P	P	P
468	Cable entry from D-end.	P	P	P	P	P	P	P	P	P	P	P	P	P	P
469	Cable entry from N-end.	P	P	P	P	P	P	P	P	P	P	P	P	P	P
567	Separate terminal box material: Cast Iron	NA	NA	NA	NA	NA	P	P	P	P	P	P	P	P	P
568	Separate terminal box for heating elements, std. material	NA	NA	NA	NA	NA	P	P	P	P	P	P	P	P	P
569	Separate terminal box for brakes	NA	NA	NA	NA	NA	P	P	P	P	P	P	P	P	P

<sup>1)</sup> Certain variant codes cannot be used simultaneously.

S = Included as standard.  
M = On modification of a stocked motor, or on new manufacture, the number per order may be limited.

P = New manufacture only.  
R = On request.  
NA = Not applicable.