

41. MGE model H/I

MGE 71, MGE 80, MGE 90

50/60 Hz

Antenna, external

Pos.	Description / Kit No	98271482
291	Antenna with cable gland	1

Bearing

Description	Type	Kit No
Ball bearing	6204 + 6204	98330603
	6304 + 6204	98330604
	6305 + 6204	98330605
	6306 + 6204	98330606
Hybrid ball bearing	6204 + 6204	98330608
	6304 + 6204	98330609
	6305 + 6204	98330610
	6306 + 6204	98330611

Content

Pos.	Description	Quantity
153	Drive end	1
154	Non-drive end	1
156d	Gasket	1
156c	Seal ring for drive end and non-drive end	2
158	Corrugated spring washer	1
158a	O-ring	1

Blanking plug

Pos.	Description / Kit No	98334761
-	Blanking plug	4

Cable glands

Pos.	Description	Kit No
293	1 x D7-14 & 2 x D5	98337336
	1 x D7-14 & 4 x D5	98337337
	1 x D7-14 & 6 x D5	98337338
	10 x D7-14	98337339
	10 x D5 single entry	98337340
	10 x D5 double entry	98337341

Cable glands, adapter

Pos.	Description	Kit No
252a	1/2" & 3/4" NPT & Gland D7-14	98345796

Connector

Pos.	Description	Kit No
266	Connector set	98403113

Control box, complete*

Description			Kit No
Functional module	Control panel	Power board	
FM200	HMI100	PB111	98406660
		PB121	98406661
		PB311	98406664
	HMI200	PB321	98406665
		PB111	98406627
		PB121	98406628
FM300	HMI200	PB311	98406651
		PB321	98406652
		PB111	98406653
	HMI300	PB113	98406655
		PB121	98406654
		PB123	98406657
		PB311	98406658
		PB321	98406659

*All motorers are delivered without CIM modul

Control box, lower part with power board

Description	Kit No
1 x 90-240 VAC / 30-300 VDC	
PB113 (0.25 - 0.75 kW)	98330612
PB123 (1.1 - 1.5 kW)	98330613
1 x 200-240 VAC	
PB111 (0.25 - 0.75 kW)	98330614
PB121 (1.1 - 1.5 kW)	98330615
PB112 (0.25 - 0.75 kW IT)	98330616
PB122 (1.1 - 1.5 kW IT)	98330617
3 x 380-500 VAC	
PB311 (0.25 - 1.1 kW)	98330618
PB321 (1.5 - 2.2 kW)	98330619
PB312 (0.25 - 1.1 kW IT)	98330620
PB322 (1.5 - 2.2 kW IT)	98330621

Content

Pos.	Description	Quantity
178	Screw	4
251	Power board	1
275a	Pin header	1
277	Isolation cover	1
277a	Screw	1

Control box, upper part

Description	Kit No
HMI 100 / 101 (Blind 1 ph)	98334762
HMI 100 / 101 (Blind 3 ph)	98334763
HMI 200 / 201 (Standard 1 ph)	98334764
HMI 200 / 201 (Standard 3ph)	98334765
HMI 250 / 251 (HomeBooster 1 ph)	98334766
HMI 250 / 251 (HomeBooster 3 ph)	98334767
HMI 300 / 301 (Graphical 1 ph)	98334768
HMI 300 / 301 (Graphical 3 ph)	98334769

Content

Pos.	Description	Quantity
251b	Control box	1
251d	Screw	4

Cover for CIM

Pos.	Description	Kit No
287	Cover	98330622

Fan

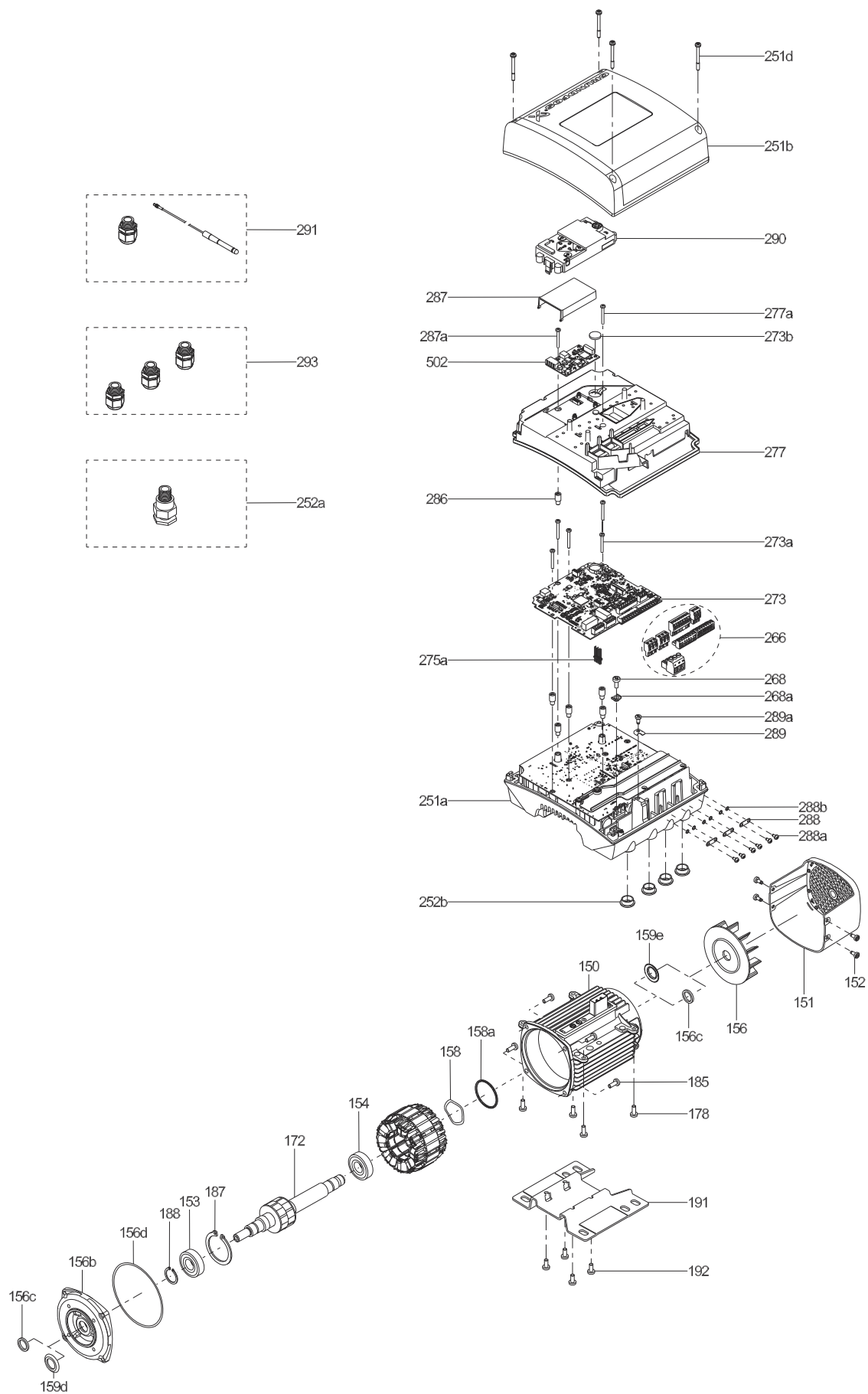
Pos.	RPM	kW	Diameter	Kit No
	1500 - 2000	all	Ø88	98290123
152	2900 - 4000	≤ 1.1	Ø88	98290123
156		> 1.1	Ø108	98290124
	4000 - 5900	all	Ø88	98290123

* Some custom-made motors are fitted with an oversize fan.
The table is according the standard range.

Fan cover

Pos.	Description	Kit No
151, 152	Cover for fan, with screw	98330566

MGE model H/I



Flange

Standard	Type	Description	Model	Kit No
IEC	B3	MGE71/80	End-shield	98330550
		MGE90	End-shield	98330551
		MGE71	FF130	98290129
	B5	MGE80	FF165	98330547
		MGE90	FF165	98330548
		MGE71	FT85	98290125
	B14	MGE80	FT100	98290126
	V18	MGE80	FT100 / 6304 bearing	98290127
	B34	MGE80	FT100 / 6304 bearing	98290127
		MGE90	FT115	98290128
NEMA	56C	MLE71/80	-	98330554
		MLE90	-	98330555
	182TC	MLE90	-	98330556
CME	CMS1D	MGE71/80	Discharge S 1" Rp	98330558
	CMS1C	MGE71/80	Discharge S 1" NPT	98330564
	CMS1B	MGE71/80	Small	98330559
	CMS2A	MGE90	Small	98330561
	CML1A	MGE71/80	Large	98330562
	CML2A	MGE90	Large	98330563

Content

Pos.	Description	Quantity
156b	Flange	1
156d	Gasket	1
185	Screw	4
188	Locking ring (only on NEMA & IEC MGE90)	1

Functional module

Description	Kit No
FM100 (Basic)	98334775
FM200 (Standard)	98334776
FM300 (Advanced)	98334777

Content

Pos.	Description	Quantity
273	Functional module	1
273a	Screw	5
275a	Pin header	1
286	Spacer	1

Foot plate

Pos.	Colour	Size	Kit No
191, 192	Black	71	98330597
		80	98330598
		71, 80, 90 NEMA 56C	98330600
		90	98330599

Foot plate, CM(E) pump

Pos.	Colour	Size	Kit No
191, 192	Black	SmCM ≤ 1.1 kW	98330601
		SmCM > 1.1 kW	98330599
		LaCM ≤ 1.1 kW	98330602
		LaCM > 1.1 kW	98374278
	Grey	SmCM ≤ 1.1 kW	98430950
		SmCM > 1.1 kW	98430951
		LaCM ≤ 1.1 kW	98430954
		LaCM > 1.1 kW	98430955

Isolation cover for power board

Description	Kit No
1 Single-phase	98330624
3 Three-phase	98330625

Content

Pos.	Description	Quantity
277	Isolation cover	1
277a	Screw	1

HMI - control panel

Pos.	Description	Kit No
290	HMI 300 (Graphical with radio)	98334770
	HMI 301 (Graphical without radio)	98365944
	HMI 100 (Blind with radio)	98334772
	HMI 200 (Standard with radio)	
	HMI 250 (Homebooster with radio)	
	HMI 101 (Blind without radio)	
	HMI 201 (Standard without radio)	98365945
	HMI 251 (Homebooster without radio)	

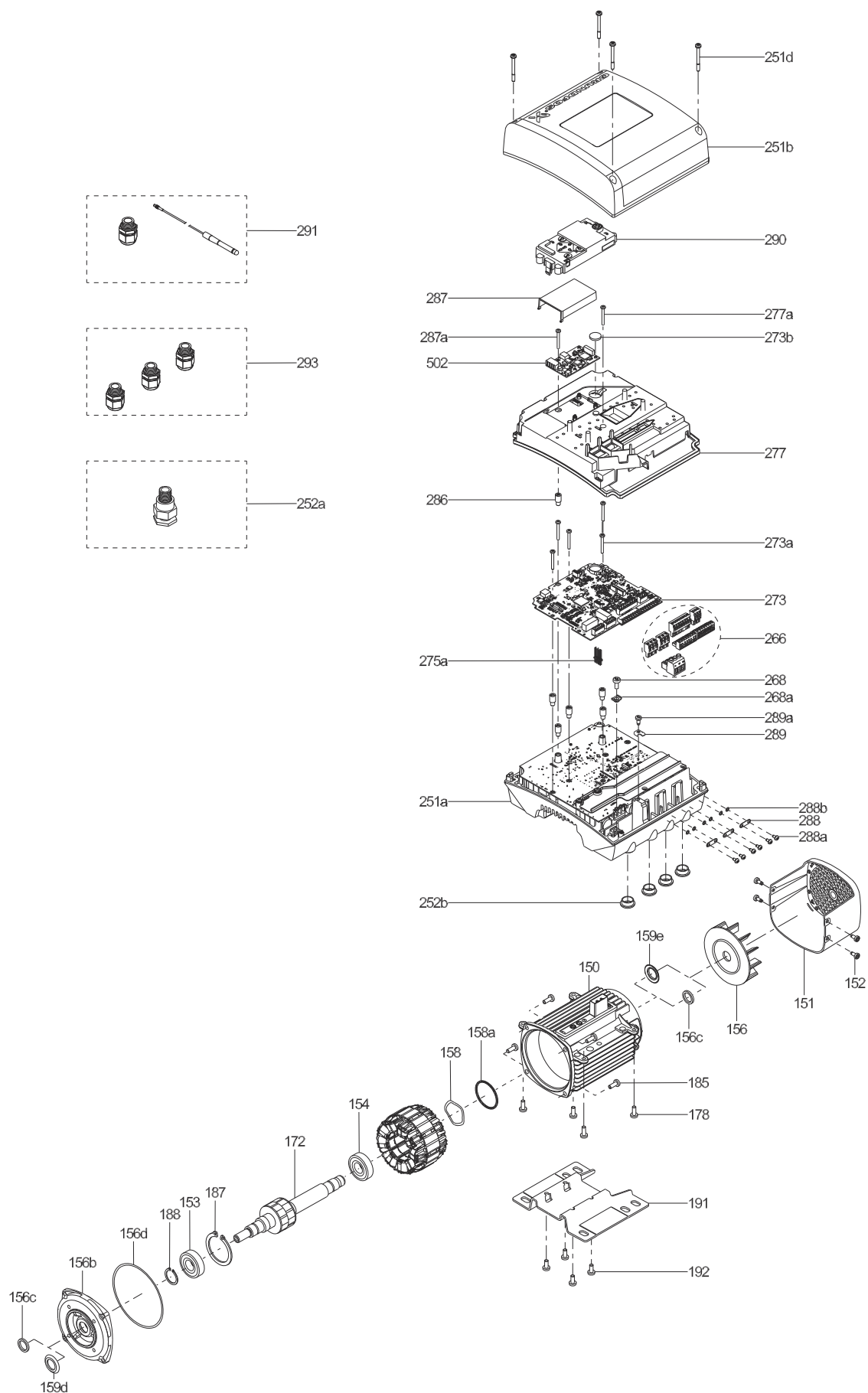
Screws including wire clamps and PE washer

Pos.	Description / Kit No	98330627
268	Wire clamp	1
268a	Screw	1
288	Wire clamp	3
288a	Screw	6
288b	Washer	6
289	Base for earth screw	1
289a	Screw	1

Seal (gamma ring)

Pos.	Description	Kit No
159d 159e	MGE71/80, MLE71/80	98334779
	MGE90	98334780
	MLE90	98334781

MGE model H/I



Replacement motor (without control box, frequency converter and foot)

TM05 7026 0813

IEC, 1-phase 230 V, frame size 71

Power [kW]	Mounting designation	Max. speed	Shaft	Length of stator	Class	Kit No
0.37	B3	-4	Keyway	A	IP55	98293691
				B	IP66	98293913
			Smooth	A	IP55	98293689
				B	IP66	98293911
			Keyway	A	IP55	98293711
				B	IP66	98293933
	B5	-4	Keyway	A	IP55	98293710
				B	IP66	98293932
			Smooth	A	IP55	98293690
				B	IP66	98293912
			Keyway	A	IP55	98293912
				B	IP66	98293912
0.55	B3	-2	Keyway	A	IP55	98293687
				B	IP66	98293909
			Smooth	A	IP55	98293685
				B	IP66	98293907
			Keyway	A	IP55	98293695
				B	IP66	98293917
	B5	-1	Keyway	A	IP55	98293693
				B	IP66	98293915
			Smooth	A	IP55	98293709
				B	IP66	98293931
			Keyway	A	IP55	98293708
				B	IP66	98293930
0.75	B3	-1	Keyway	A	IP55	98293712
				B	IP66	98293934
			Smooth	A	IP55	98293686
				B	IP66	98293908
			Keyway	A	IP55	98293684
				B	IP66	98293906
	B5	-2	Keyway	A	IP55	98293694
				B	IP66	98293916
			Smooth	A	IP55	98293692
				B	IP66	98293914

IEC, 1-phase 230 V, frame size 80

Power [kW]	Mounting designation	Max. speed	Shaft	Length of stator	Class	Kit No
0.55	B3	-4	Keyway	B	IP55	98293757
				B	IP66	98293979
			Smooth	B	IP55	98293755
				B	IP66	98293977
			Keyway	B	IP55	98293792
				B	IP66	98294014
	B5	-4	Keyway	B	IP55	98293791
				B	IP66	98294013
			Smooth	B	IP55	98293756
				B	IP66	98293978
			Keyway	B	IP55	98293754
				B	IP66	98293976
0.75	B3	-4	Keyway	C	IP55	98293761
				C	IP66	98293983
			Smooth	C	IP55	98293759
				C	IP66	98293981
			Keyway	A	IP55	98293747
				A	IP66	98293969
	B5	-2	Keyway	A	IP55	98293745
				A	IP66	98293967
			Smooth	A	IP55	98293794
				A	IP66	98294016
			Keyway	C	IP55	98293793
				C	IP66	98294015
1.1	B3	-4	Keyway	A	IP55	98293786
				A	IP66	98294008
			Smooth	A	IP55	98293785
				A	IP66	98294007
			Keyway	C	IP55	98293760
				C	IP66	98293982
	B5	-4	Keyway	C	IP55	98293758
				C	IP66	98293980
			Smooth	C	IP55	98293746
				C	IP66	98293968
			Keyway	A	IP55	98293744
				A	IP66	98293966
1.5	B3	-2	Keyway	A	IP55	98293720*
				A	IP66	98293942*
			Smooth	A	IP55	98293752
				A	IP66	98293974
			Keyway	B	IP55	98293733
				B	IP66	98293955
	B5	-1	Keyway	A	IP55	98293725
				A	IP66	98293947
			Smooth	A	IP55	98293790
				A	IP66	98294012
			Keyway	B	IP55	98293789
				B	IP66	98294011
2.2	B3	-1	Keyway	A	IP55	98293788
				A	IP66	98294010
			Smooth	A	IP55	98293787
				A	IP66	98294009
			Keyway	B	IP55	98293751
				B	IP66	98293973
	B5	-2	Keyway	B	IP55	98293749
				B	IP66	98293971
			Smooth	B	IP55	98293753*
				B	IP66	98293975*
			Keyway	A	IP55	98360068
				A	IP66	98360070
3.0	B3	-1	Keyway	A	IP55	98360067
				A	IP66	98360069
			Smooth	A	IP55	98293748*
				A	IP66	98293970*

*) with oversize bearing

IEC, 1-phase 230 V, frame size 90

Power [kW]	Mounting designation	Max. speed	Shaft	Length of stator	Class	Kit No
1.5	B3	-2	Keyway	C	IP55	98293846
					IP66	98294068
			Smooth	C	IP55	98293843
					IP66	98294065
		-1	Keyway	B	IP55	98293840
					IP66	98294062
	B5		Smooth	B	IP55	98293837
					IP66	98294059
		-2	Keyway	C	IP55	98293845
					IP66	98294067
			Smooth	C	IP55	98293842
					IP66	98294064
	B14		Keyway	B	IP55	98293839
					IP66	98294061
		-1	Smooth	B	IP55	98293836
					IP66	98294058
		-2	Keyway	C	IP55	98293844
					IP66	98294066
			Smooth	C	IP55	98293841
					IP66	98294063
		-1	Keyway	B	IP55	98293838
					IP66	98294060
			Smooth	B	IP55	98293835
					IP66	98294057

IEC, 3-phase 430 V, frame size 71

Power [kW]	Mounting designation	Max. speed	Shaft	Length of stator	Class	Kit No
0.37	B3		Keyway	A	IP55	98293703
					IP66	98293925
			Smooth	B	IP66	98444544
					IP55	98293701
		-1	Keyway	A	IP66	98293923
					IP66	98444542
	B5		Smooth	B	IP66	98444542
					IP55	98293717
		-2	Keyway	A	IP55	98293939
					IP66	98444548
			Smooth	A	IP55	98293716
					IP66	98293938
	B14		Smooth	B	IP66	98444547
					IP55	98293702
		-1	Keyway	A	IP66	98293924
					IP66	98444543
			Smooth	A	IP55	98293700
					IP66	98293922
	B3		Keyway	A	IP55	98293699
					IP66	98293921
		-2	Smooth	A	IP55	98293697
					IP66	98293919
		-1	Keyway	A	IP55	98293707
					IP66	98293929
	B5		Smooth	A	IP55	98293705
					IP66	98293927
		-2	Keyway	A	IP55	98293715
					IP66	98293937
			Smooth	A	IP55	98293714
					IP66	98293936
	B14		Keyway	A	IP55	98293719
					IP66	98293941
		-1	Smooth	A	IP55	98293718
					IP66	98293940
		-2	Keyway	A	IP55	98293698
					IP66	98293920
0.55	B5		Smooth	A	IP55	98293696
					IP66	98293918
		-1	Keyway	A	IP55	98293706
					IP66	98293928
			Smooth	A	IP55	98293704
					IP66	98293926

IEC, 3-phase 430 V, frame size 80

Power [kW]	Mounting designation	Max. speed	Shaft	Length of stator	Class	Kit No
0.55	B3	-4	Keyway	B	IP55	98293780
					IP66	98294002
			Smooth	B	IP55	98293778
					IP66	98294000
	B5	-4	keyway	B	IP55	98293802
					IP66	98294024
			Smooth	B	IP55	98293801
					IP66	98294023
	B14	-4	Keyway	B	IP55	98293779
					IP66	98294001
			Smooth	B	IP55	98293777
					IP66	98293999
0.75	B3	-4	Keyway	C	IP55	98293784
					IP66	98294006
			Smooth	C	IP55	98293782
					IP66	98294004
		-2	Keyway	A	IP55	98293765
					IP66	98293987
			Smooth	A	IP55	98293763
					IP66	98293985
	B5	-4	Keyway	C	IP55	98293804
					IP66	98294026
			Smooth	C	IP55	98293803
					IP66	98294025
		-2	Keyway	A	IP55	98293796
					IP66	98294018
			Smooth	A	IP55	98293795
					IP66	98294017
	B14	-4	Keyway	C	IP55	98293783
					IP66	98294005
			Smooth	C	IP55	98293781
					IP66	98294003
		-2	Keyway	A	IP55	98293764
					IP66	98293986
			Smooth	A	IP55	98293762
					IP66	98293984
	B3	-2			IP55	98293766*
					IP66	98293988*
			Keyway	B	IP55	98293775
					IP66	98293997
		-1	Smooth	B	IP55	98293773
					IP66	98293995
1.1	B3	-2	Keyway	A	IP55	98293770
					IP66	98293992
			Smooth	A	IP55	98293768
					IP66	98293990
		-1	keyway	B	IP55	98293800
					IP66	98294022
	B5	-2	Smooth	B	IP55	98293799
					IP66	98294021
			Smooth	A	IP55	98293797
		-1			IP66	98294019
			Keyway	A	IP55	98293798
					IP66	98294020
	B14	-2	Keyway	B	IP55	98293774
					IP66	98293996
			Smooth	B	IP55	98293772
		-1			IP66	98293994
			Smooth	A	IP55	98293776*
					IP66	98293998*
	B3	-2	Keyway	A	IP55	98293769
					IP66	98293991
			Smooth	A	IP55	98293767
		-1			IP66	98293989
			Smooth	A	IP55	98293771*
					IP66	98293993*

*) with oversize bearing

IEC, 1-phase 430 V, frame size 90

Power [kW]	Mounting designation	Max. speed	Shaft	Length of stator	Class	Kit No
1.1	B3		Keyway	D	IP55	98293876
					IP66	98294098
			Smooth	D	IP55	98293873
					IP66	98294095
	B5	-4	Keyway	D	IP55	98293875
					IP66	98294097
			Smooth	D	IP55	98293872
					IP66	98294094
	B14		Keyway	D	IP55	98293874
					IP66	98294096
			Smooth	D	IP55	98293871
					IP66	98294093
1.5	B3	-2	Keyway	C	IP55	98293858
					IP66	98294080
			Smooth	C	IP55	98293855
					IP66	98294077
		-1	Keyway	B	IP55	98293852
					IP66	98294074
			Smooth	B	IP55	98293849
					IP66	98294071
	B5	-2	Keyway	C	IP55	98293857
					IP66	98294079
			Smooth	C	IP55	98293854
					IP66	98294076
		-1	Keyway	B	IP55	98293851
					IP66	98294073
			Smooth	B	IP55	98293848
					IP66	98294070
	B14	-2	Keyway	C	IP55	98293856
					IP66	98294078
			Smooth	C	IP55	98293853
					IP66	98294075
		-1	Keyway	B	IP55	98293850
					IP66	98294072
			Smooth	B	IP55	98293847
					IP66	98294069
2.2	B3	-2	Keyway	D	IP55	98293870
					IP66	98294092
			Smooth	D	IP55	98293867
					IP66	98294089
		-1	Keyway	C	IP55	98293864
					IP66	98294086
			Smooth	C	IP55	98293861
					IP66	98294083
	B5	-2	Keyway	D	IP55	98293869
					IP66	98294091
			Smooth	D	IP55	98293866
					IP66	98294088
		-1	Keyway	C	IP55	98293863
					IP66	98294085
			Smooth	C	IP55	98293860
					IP66	98294082
	B14	-2	Keyway	D	IP55	98293868
					IP66	98294090
			Smooth	D	IP55	98293865
					IP66	98294087
		-1	Keyway	C	IP55	98293862
					IP66	98294084
			Smooth	C	IP55	98293859
					IP66	98294081

NEMA, 1-phase 240 V, frame size 71

Mounting designation	Power [hp]	Max. speed	Shaft	Length of stator	Class	Kit No
56 C	0.5	-4	Keyway	A	IP55	98293724
					IP66	98293946
			Smooth	A	IP55	98293723
					IP66	98293945

NEMA, 1-phase 240 V, frame size 80

Mounting designation	Power [hp]	Max. speed	Shaft	Length of stator	Class	Kit No
56 C	1	-4	Keyway	C	IP55	98293811
					IP66	98294033
			Smooth	C	IP55	98293810
					IP66	98294032
		-2	Keyway	A	IP55	98293721
					IP66	98293943
			Smooth	A	IP55	98293722
					IP66	98293944
		-4	Keyway	B	IP55	98293809
					IP66	98294031
			Smooth	B	IP55	98293808
					IP66	98294030
	1.5	-2	Keyway	B	IP55	98293806
					IP66	98294028
			Smooth	B	IP55	98293807
					IP66	98294029
		-1	Keyway	A	IP55	98293726
					IP66	98293948
			Smooth	A	IP55	98293727
					IP66	98293949
		-2	Keyway	C	IP55	98293881
					IP66	98294102
			Smooth	C	IP55	98293880
					IP66	98294101
	2	-1	Keyway	B	IP55	98293879
					IP66	98294100
			Smooth	B	IP55	98293878
					IP66	98294099

NEMA, 3-phase 460V, frame size 71

Mounting designation	Power [hp]	Max. speed	Shaft	Length of stator	Class	Kit No
56 C	0.5	-4	Keyway	A	IP55	98293732
					IP66	98293954
			Smooth	A	IP55	98293731
					IP66	98293953
		-4	Keyway	B	IP55	98293816
					IP66	98294038
			Smooth	B	IP55	98293815
					IP66	98294037
	1	-4	Keyway	C	IP55	98293818
					IP66	98294040
			Smooth	C	IP55	98293817
					IP66	98294039
		-2	Keyway	A	IP55	98293729
					IP66	98293951
			Smooth	A	IP55	98293730
					IP66	98293952
	1.5	-4	Keyway	D	IP55	98293891
					IP66	98294112
			Smooth	D	IP55	98293890
					IP66	98294111
		-2	Keyway	B	IP55	98293813
					IP66	98294035
			Smooth	B	IP55	98293814
					IP66	98294036
182 TC	3	-1	Keyway	A	IP55	98293734
					IP66	98293956
			Smooth	A	IP55	98293735
					IP66	98293957
		-2	Keyway	C	IP55	98293885
					IP66	98294106
			Smooth	C	IP55	98293884
					IP66	98294105
	3	-1	Keyway	B	IP55	98293883
					IP66	98294104
			Smooth	B	IP55	98293882
					IP66	98294103
		-2	Keyway	D	IP55	98293889
					IP66	98294110
			Smooth	D	IP55	98293888
					IP66	98294109
182 TC	3	-2	Keyway	C	IP55	98293887
					IP66	98294108
			Smooth	C	IP55	98293886
					IP66	98294107
	1.5	-4	Keyway	D	IP55	98293895
					IP66	98294117
			Smooth	D	IP55	98293894
					IP66	98294115
182 TC	3	-2	Keyway	D	IP55	98293893
					IP66	98294114
			Smooth	D	IP55	98293892
					IP66	98294113