Aluminium Motors

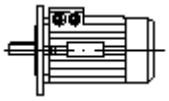
Série W

Frame size 56 to 132

Phase 3
Voltage 230/400 V – 50Hz
Voltage 265/460V – 60Hz

Types of mounting


B3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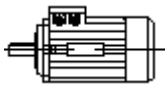
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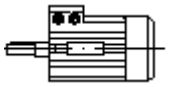
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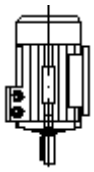
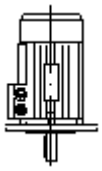
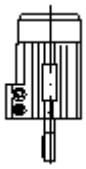

V5


V1

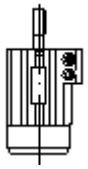

V18


V8

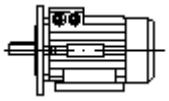

V6

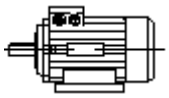

V3

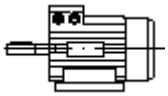

V19


V9


B6


B3 / B5


B3 / B14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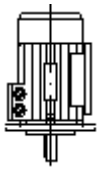
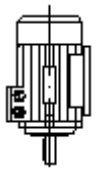
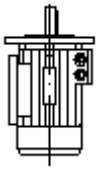
B7


V1 / V5


V18 / V5


B8


V3 / V6


V19 / V6

General characteristics

- IP 55. clf, with class b temp. rise (80° k)
- Windings insulated between phases
- Double impregnation (tropicalized 90 % h.r)
- Internal metallic parts with protection against rust treatment
- Mechanically balanced rotor
- Terminal box on top in aluminium
- Ball bearings skf 2rs or zz
- Doubled sealed bearings
- Paint ral 5010 blue; all parts sandblasted prior painting
- Steel fan cover
- Individual cartoon box
- Protection of the end shaft by a plastic cap
- Connection diagram inside of the terminal box

2 Poles 3000 rpm

Type	Power	Full load current			Speed	Power factor	Efficiency	Starting current	Starting torque	Max torque	Weight
		380V	400V	415V							
	KW	A	A	A	min-1	Cos	η %	Is/In	Ms/Mn	Mk/Mn	Kg
MS5612	0.09	0.39	0.37	0.35	2710	0.7	50	4	1.8	2	3.2
MS5622	0.12	0.47	0.45	0.43	2710	0.7	55	4	1.8	2	3.4
MS6312	0.18	0.58	0.55	0.52	2720	0.73	65	5.5	2.2	2.2	3.9
MS6322	0.25	0.76	0.72	0.69	2720	0.76	66	5.5	2.2	2.2	4.4
MS7112	0.37	0.99	0.94	0.9	2760	0.81	70	6.1	2.2	2.2	6.2
MS7122	0.55	1.4	1.33	1.26	2820	0.82	73	6.1	2.2	2.3	6.3
MS8012	0.75	1.83	1.74	1.66	2845	0.83	75	6.1	2.4	2.5	8.3
MS8022	1.1	2.58	2.45	2.33	2840	0.84	77	7	2.5	2.5	9
MS90S2	1.5	3.5	3.3	3.2	2840	0.84	79	7	2.7	2.8	12.5
MS90L2	2.2	4.9	4.7	4.5	2840	0.85	81	7	2.5	2.8	14
MS100L2	3	6.3	6	5.8	2870	0.87	83	7.5	2.2	2.5	20.5
MS112M2	4	8.1	7.7	7.4	2880	0.88	85	7.5	2.3	2.3	26
MS132SA2	5.5	11	10.5	10	2910	0.88	86	7.5	2.3	2.5	40
MS132SB2	7.5	14.9	14.1	13.6	2905	0.88	87	7.5	2.2	2.4	44

4 Poles 1500 rpm

Type	Power	Full load current			Speed	Power factor	Efficiency	Starting current	Sarting torque	Max torque	Weight
		380V	400V	415V							
	KW	A	A	A	min-1	Cos	η %	Is/In	Ms/Mn	Mk/Mn	Kg
MS5614	0.06	0.28	0.26	0.26	1330	0.65	50	4	1.4	2	3.2
MS5624	0.09	0.37	0.35	0.33	1330	0.73	50	4	1.8	2	3.4
MS6314	0.12	0.44	0.42	0.4	1340	0.72	57	4.4	1.8	2	4
MS6324	0.18	0.64	0.62	0.58	1340	0.73	58	4.4	1.8	2	4.5
MS7114	0.25	0.79	0.75	0.71	1345	0.74	65	5.2	2.1	2.2	6.1
MS7124	0.37	1.1	1.06	0.99	1340	0.75	67	5.2	2.1	2.2	6.7
MS8014	0.55	1.57	1.49	1.42	1390	0.75	71	5.3	2.2	2.5	8.9
MS8024	0.75	2.03	1.93	1.84	1380	0.76	73	5.3	2.3	2.5	9.6
MS90S4	1.1	3	2.9	2.7	1390	0.77	75	6	2.3	2.5	12.5
MS90L4	1.5	3.7	3.5	3.46	1390	0.79	78	6	2.3	2.5	15
MS100LA4	2.2	5	4.8	4.6	1415	0.81	80	7	2.3	2.5	19.2
MS100LB4	3	6.7	6.4	6.1	1415	0.82	82	7	2.3	2.5	23
MS112M4	4	8.7	8.3	7.9	1430	0.82	84	7	2.3	2.6	29
MS132S4	5.5	11.7	11.1	10.6	1445	0.83	85	7	2.3	2.5	43.5
MS132M4	7.5	15.5	14.8	14.1	1445	0.84	87	7	2.3	2.5	53.5

6 Poles 1000 rpm

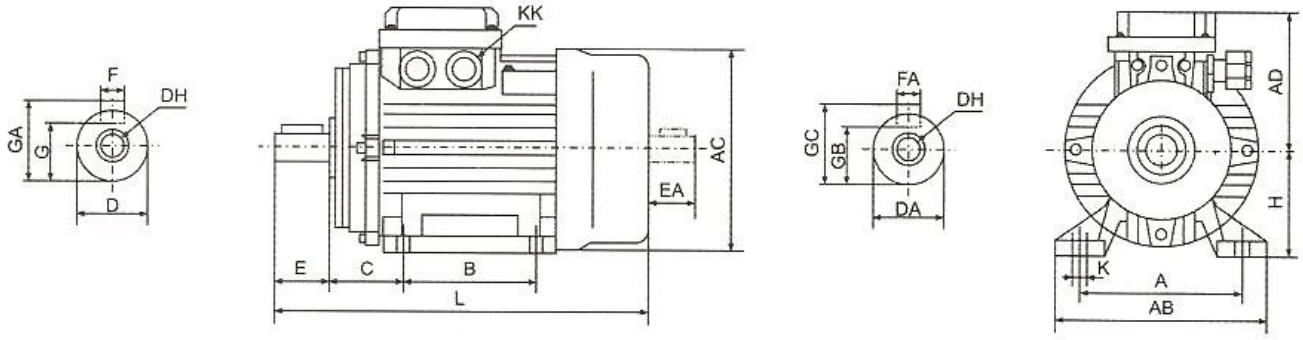
Type	Power	Full load current			Speed	Power factor	Efficiency	Starting current	Sarting torque	Max torque	Weight
		380V	400V	415V							
	KW	A	A	A	min-1	Cos	η %	Is/In	Ms/Mn	Mk/Mn	Kg
MS7116	0.18	0.74	0.7	0.67	860	0.66	56	4	1.9	2	6.4
MS7126	0.25	0.95	0.9	0.86	860	0.68	59	4	1.9	2	6.5
MS8016	0.37	1.29	1.23	1.2	885	0.7	62	4.7	2	2.1	8.5
MS8026	0.55	1.78	1.7	1.5	885	0.72	65	4.7	2	2.1	9.2
MS90S6	0.75	2.3	2.2	2.1	915	0.72	69	5.5	2	2.2	12
MS90L6	1.1	3.2	3.04	2.9	915	0.73	72	5.5	2	2.2	14
MS100L6	1.5	3.9	3.7	3.5	920	0.75	76	5.5	2.1	2.2	19.5
MS112M6	2.2	5.57	5.3	5.1	935	0.76	79	6.5	2.2	2.2	28
MS132S6	3	7.4	7	6.7	960	0.76	81	6.5	2.2	2.8	38
MS132MA6	4	9.8	9.3	8.9	960	0.76	82	6.5	2.4	2.9	45
MS132MB6	5.5	12.9	12.3	11.7	960	0.77	84	6.5	2.4	2.8	54

8 Poles 750 rpm

Type	Power	Full load current			Speed	Power factor	Efficiency	Starting current	Sarting torque	Max torque	Weight
		380V	400V	415V							
	KW	A	A	A	min-1	Cos	η %	Is/In	Ms/Mn	Mk/Mn	Kg
MS8018	0.18	0.88	0.84	0.81	645	0.61	51	2.9	1.8	2	8.3
MS8028	0.25	1.15	1.1	0.99	645	0.61	54	2.9	1.8	2	9
MS90S8	0.37	1.6	1.5	1.4	670	0.61	59	3.2	1.9	2.3	12
MS90L8	0.55	2.2	2.1	2	670	0.61	62	3.2	2	2.3	15
MS100LA8	0.75	2.4	2.3	2.2	685	0.67	70	4.7	1.8	2.2	19
MS100LB8	1.1	3.4	3.2	3	690	0.69	72	5	1.8	2.2	21.8
MS112M8	1.5	4.4	4.2	4.05	730	0.69	75	5	2	2.5	29
MS132S8	2.2	6	5.7	5.4	710	0.71	78	6	1.8	2.5	39
MS132M8	3	7.9	7.5	7.2	710	0.73	79	6	1.8	2.4	45

Mounting MS 56 - 132

B3



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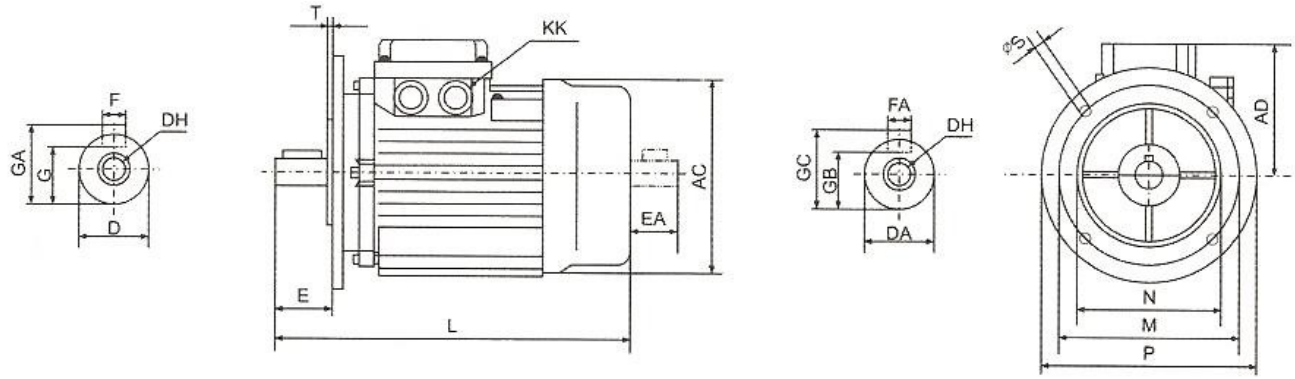

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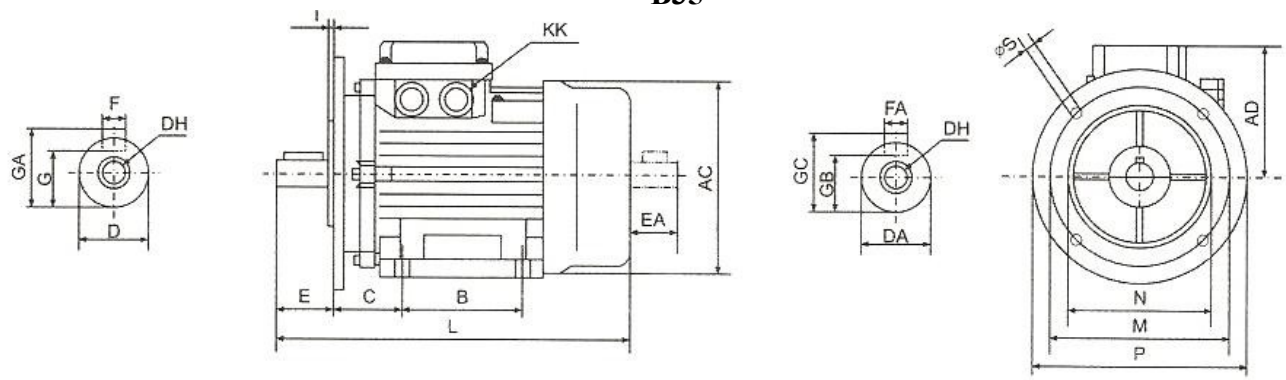
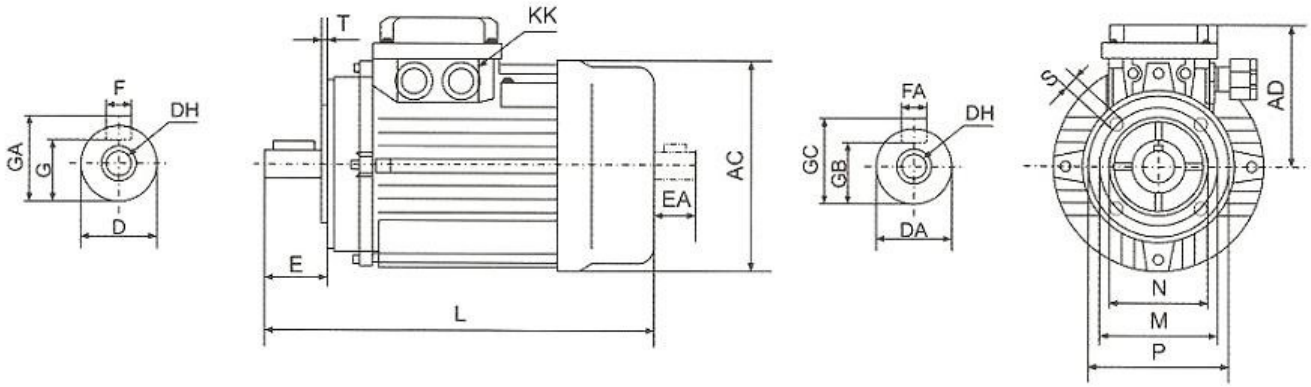


TYPE	A	AB	AC	AD	B	C	D	DH	E	F	G	H	K	KK	L	M	N	P	S	T	DA	EA	GC	GB	GA	FA
MS56	90	110	110	96	71	36	9	M4X12	20	3	7.2	56	7	2-M18X1.5	189	100	80	120	7	3	9	20	10.2	7.2	10.2	3
MS63	100	122	122	99	80	40	11	M4X12	23	4	8.5	63	7	2-M18X1.5	218	115	95	140	9	3	11	23	12.5	8.5	12.5	4
MS71	112	136	138	109	90	45	14	M5X12	30	5	11	71	7	2-M18X1.5	250	130	110	160	9	3.5	14	30	16	11	16	5
MS80	125	154	157	112	100	50	19	M6X16	40	6	15.5	80	10	2-M20X1.5	278	165	130	200	12	3.5	14	30	16	11	21.5	5
MS90S	140	174	175	120	100	56	24	M8X19	50	8	20	90	10	2-M20X1.5	335	165	130	200	12	3.5	19	40	21.5	15.5	27	6
MS90L	140	174	175	120	125	56	24	M8X19	50	8	20	90	10	2-M20X1.5	335	165	130	200	12	3.5	19	40	21.5	15.5	27	6
MS100L	160	194	196	139	140	63	28	M10X22	60	8	24	100	12	2-M20X1.5	377	215	180	250	15	4	28	60	31	24	31	8
MS112M	190	224	220	156	140	70	28	M10X22	60	8	24	112	12	2-M20X1.5	395	215	180	250	15	4	28	60	31	24	31	8
MS132S	216	256	260	185	140	89	38	M12X28	80	10	33	132	12	2-M25X1.5	472	265	230	300	15	4	38	80	41	33	41	10
MS132M	216	256	260	185	178	89	38	M12X28	80	10	33	132	12	2-M25X1.5	510	265	230	300	15	4	38	80	41	33	41	10

B14



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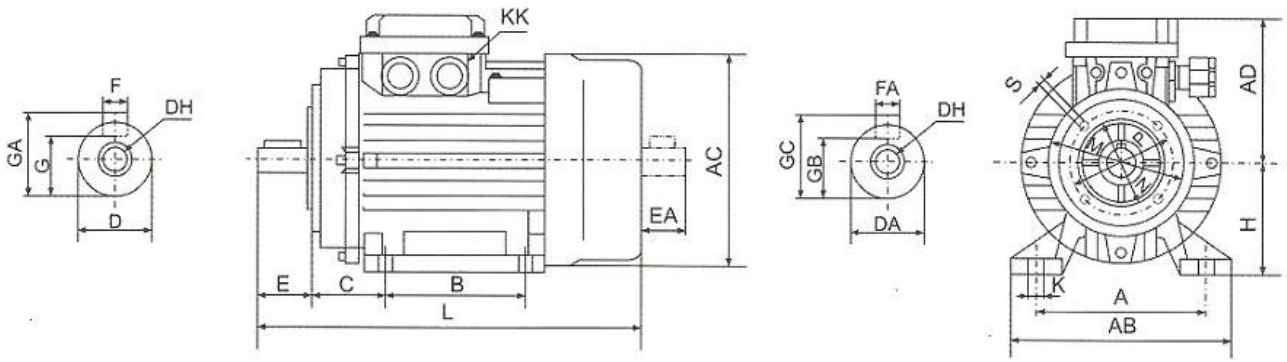
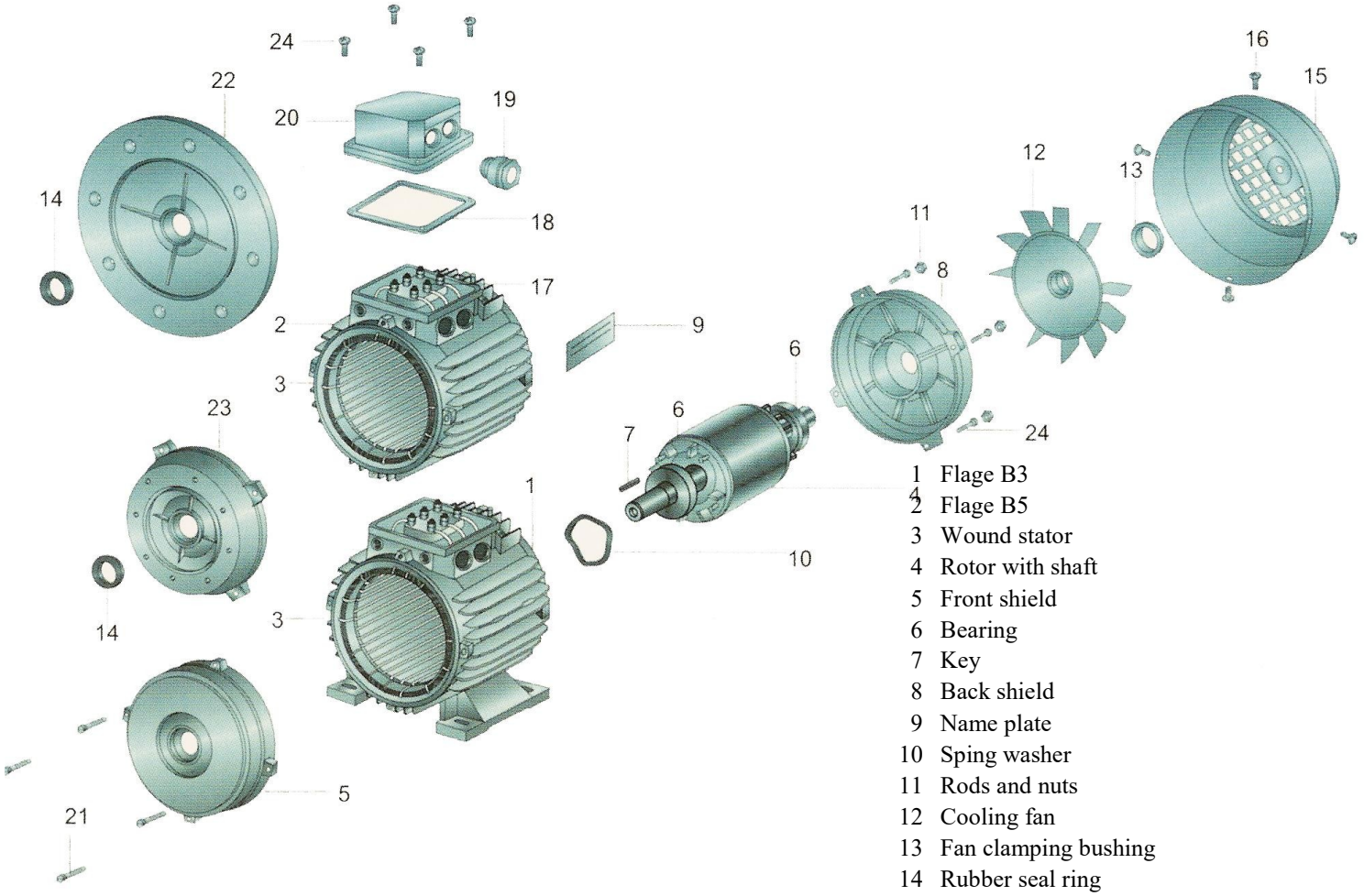


TYPE	A	AB	AC	AD	B	C	D	DH	E	F	G	H	K	KK	L	M	N	P	S	T	DA	EA	GC	GB	GA	FA
MS56	90	110	110	96	71	36	9	M4X12	20	3	7.2	56	7	2-M18X1.5	189	65	50	80	M5	3	9	20	10.2	7.2	10.2	3
MS63	100	122	122	99	80	40	11	M4X12	23	4	8.5	63	7	2-M18X1.5	218	75	60	90	M5	3	11	23	12.5	8.5	12.5	4
MS71	112	136	138	109	90	45	14	M5X12	30	5	11	71	7	2-M18X1.5	250	85	70	105	M6	3.5	14	30	16	11	16	5
MS80	125	154	157	112	100	50	19	M6X16	40	6	15.5	80	10	2-M20X1.5	278	100	80	120	M6	3.5	14	30	16	11	21.5	5
MS90S	140	174	175	120	100	56	24	M8X19	50	8	20	90	10	2-M20X1.5	335	115	95	140	M8	3.5	19	40	21.5	15.5	27	6
MS90L	140	174	175	120	125	56	24	M8X19	50	8	20	90	10	2-M20X1.5	335	115	95	140	M8	3.5	19	40	21.5	15.5	27	6
MS100L	160	194	196	139	140	63	28	M10X22	60	8	24	100	12	2-M20X1.5	377	130	110	160	M8	4	28	60	31	24	31	8
MS112M	190	224	220	156	140	70	28	M10X22	60	8	24	112	12	2-M20X1.5	395	130	110	160	M8	4	28	60	31	24	31	8
MS132S	216	256	260	185	140	89	38	M12X28	80	10	33	132	12	2-M25X1.5	472	165	130	200	M10	4	38	80	41	33	41	10
MS132M	216	256	260	185	178	89	38	M12X28	80	10	33	132	12	2-M25X1.5	510	165	130	200	M10	4	38	80	41	33	41	10

Bearings information

Frame size	Front ,back ball bearing	Oil seal
56	6201ZZ-C3	Ø 12 x Ø 22 x 5
63	6201ZZ-C3	Ø 12 x Ø 22 x 7
71	6202ZZ-C3	Ø 15 x Ø 25 x 7
80	6204ZZ-C3	Ø 20 x Ø 30 x 7
90	6205ZZ-C3	Ø 25 x Ø 37 x 7
100	6206ZZ-C3	Ø 30 x Ø 42 x 7
112	6206ZZ-C3	Ø 30 x Ø 42 x 7
132	6208ZZ-C3	Ø 40 x Ø 58 x 8

Specification



1 Flage B3
2 Flage B5
3 Wound stator
4 Rotor with shaft
5 Front shield
6 Bearing
7 Key
8 Back shield
9 Name plate
10 Sping washer
11 Rods and nuts
12 Cooling fan
13 Fan clamping bushing
14 Rubber seal ring
15 Fan cover
16 Self-threadingscrew for fan cover fixing
17 Terminal board complete with components
18 Terminal seal IP 55
19 Cable gland
20 Terminal box IP 55 (cover)
21 Rods and nuts
22 Flange B5
23 Flange B14
24 Screws for terminal box fixing IP 55