

TECHNICAL SHEET

Model	PSM
Capacity	0-1000 m ³ /h
Head	0-164 m
DN	32-150 mm
Speed	2900 rpm
T max	120 °C
Power	1.5-315 kW
Casing	Grey cast iron
Impeller	AISI 304/Brass
Shaft	AISI 304
Shaft seal	Mechanical Seal
Bearing	Grease lubrication rolling bearing

Electric

 Electric pump to primarily provide flow and pressure in the system



Seperate coupled type



PS

NEW

DESCRIPTION

-  According to NFPA20, centrifugal pump shall be of the overhung impeller design with close or separate coupled end suction type
- ♦ Pump capacities are based on the calculated system demand
- ♦ Fire pump shutoff head should not exceed 140% of the nominal value
- ♦ Recommended the maximum system demand flow correlate to a point on pump curve between 90% to 140% of the pump capacity

MODEL CODE

For example

PS (PSM) 50 - 250 / 220

→ **220**=Rated power(kw)x10

→ **250**=Nominal impeller size(mm)

250H=High flow type

→ **50**=Discharge

→ **PSM**=End suction pump with motor&base

PSBM=End suction pump with motor&base
(in type B bearing house)

→ **PS**=End suction pump only

PSB=End suction pump only
(in type B bearing house)



TECHNICAL DATA

50Hz n=2900 r/min

MODEL	DN	Implr dia.	Power		Q=DELIVERY														
					us	25	50	75	100	120	150	200	250	300	350	400	450	500	600
					l/min	95	190	283	383	450	567	750	950	1133	1317	1517	1700	1900	2267
					m³/h	0	5.7	11.4	17	23	27	34	45	57	68	79	91	102	114
mm	mm	kw	hp	H=Head (m)															
PSM 32-250/55	50x32	208	5.5	7.5	60	60	58	52	39	-	-	-	-	-	-	-	-	-	
PSM 32-250/75	50x32	230	7.5	10	69.5	69.5	68	64	56	-	-	-	-	-	-	-	-	-	
PSM 32-250/92	50x32	237	9.2	12.5	75	75	73.5	70	61	-	-	-	-	-	-	-	-	-	
PSM 32-250/110	50x32	250	11	15	90	89	86	80	69	-	-	-	-	-	-	-	-	-	
PSM 32-250/150	50x32	258	15	20	97	96.8	94	88	76	-	-	-	-	-	-	-	-	-	
PSM 40-250/110	65x40	230	11	15	72	-	-	68	66	63.5	59	50	-	-	-	-	-	-	
PSM 40-250/150	65x40	250	15	20	84.5	-	-	79.5	77.5	75.2	71.5	63	-	-	-	-	-	-	
PSM 40-250/185	65x40	258	18.5	25	90	-	-	86	83.5	80.7	77	68	-	-	-	-	-	-	
PSM 50-250/150	65x50	228	15	20	68.5	-	-	-	-	65	62	58	53	45	-	-	-	-	
PSM 50-250/185	65x50	235	18.5	25	79	-	-	-	-	77	74	71	66	59	47	-	-	-	
PSM 50-250/220	65x50	250	22	30	89.5	-	-	-	-	88	85	81.5	76	68	57	-	-	-	
PSM 50-250/300	65x50	258	30	40	95.5	-	-	-	-	92	90	87	81	74	63	-	-	-	
PSM 65-250/220	80x65	225	22	30	64.8	-	-	-	-	-	-	63.5	62	61	58.5	56	52.5	-	
PSM 65-250/300	80x65	244	30	40	80	-	-	-	-	-	-	79	78	77	74.5	72	70	59	
PSM 65-250/370	80x65	258	37	50	92	-	-	-	-	-	-	89.5	88.5	87	85	83	80	69	

MODEL	DN	Implr dia.	Power		Q=DELIVERY																	
					us	250	400	500	600	750	850	950	1000	1250	1350	1500	1750	2000	2500	3000	3500	4500
					gpm	950	1517	1900	2267	2833	3217	3600	3783	4733	5100	5683	6617	7567	9467	11350	13250	17033
					l/min	57	91	114	136	170	193	216	227	284	306	341	397	454	568	681	795	1022
	m³/h	H=Head (m)																				
mm	mm	kw	hp																			
PSM 65-315/450	80x65	262	45	60	102	98	94.5	90	83	-	-	-	-	-	-	-	-	-	-			
PSM 65-315/550	80x65	290	55	75	122	120	114.5	111	104	85	-	-	-	-	-	-	-	-	-			
PSM 65-315/750	80x65	317	75	100	141	141	134.5	132	123	105	86	64	-	-	-	-	-	-	-			
PSM 65-315/900	80x65	328	90	125	151	150	144.5	141	133	115	95	74	-	-	-	-	-	-	-			
PSM 80-250/450	100x80	240	45	60	88	86.7	86	84	80	72	62	49	-	-	-	-	-	-	-			
PSM 80-250/550	100x80	258	55	75	94.5	94.5	94.5	92	89	82	76	66	-	-	-	-	-	-	-			
PSM 80-250/750	100x80	276	75	100	108.5	108.5	108.5	106	103	96.5	90	80	-	-	-	-	-	-	-			
PSM 80-315/550	100x80	270	55	75	98	97	95.6	95	92	86	78	67	-	-	-	-	-	-	-			
PSM 80-315/750	100x80	295	75	100	124	123	121.6	119	116	110	103	94.5	89	-	-	-	-	-	-			
PSM 80-315/900	100x80	320	90	125	144	143	141.6	140	137	130	122	114	108	-	-	-	-	-	-			
PSM 80-315/1100	100x80	328	110	150	153	152	150.6	149	146	140	132	123	118	-	-	-	-	-	-			
PSM 100-250/550	125x100	240	55	75	77	76	75.5	76	75	73	72	70	70	62.3	59	-	-	-	-			
PSM 100-250/750	125x100	257	75	100	91	91	90.5	89.7	88	86	84	82	81	71.7	68.5	56	-	-	-			
PSM 100-250/900	125x100	270	90	125	100	100	99.5	98	97	95	93	91	90	80.7	77.5	65	-	-	-			
PSM 100-315/1100	125x100	300	110	150	118	-	-	116	115.5	114	112	111	110	104	102	95	-	-	-			
PSM 100-315/1320	125x100	315	132	180	129	-	-	127	126	124	123	122	121	115	112	105	-	-	-			
PSM 100-315/1600	125x100	328	160	220	148	-	-	146	145	144	142	141	140	134	132	125	-	-	-			
PSM 125-250/750	150x125	255	75	100	80	-	-	77	76	74.5	73	72	71	67	65	60	-	-	-			
PSM 125-250/900	150x125	265	90	125	87	-	-	84	83	81.5	80	78.5	78	73.5	71.5	67.5	60	-	-			
PSM 125-250/1100	150x125	274	110	150	97	-	-	94	93	92	90.5	89	88	84	83.5	78.5	71	-	-			
PSM 125-250H/1100	150x125	240	110	150	74	-	-	74.5	74	74	73	73	72.5	70.8	70.4	69	66	62.5	53			
PSM 125-250H/1320	150x125	260	132	180	84	-	-	84	84	83.5	83	82.5	82	80.8	80.4	78.5	76	72	63			
PSM 125-250H/1600	150x125	280	160	220	98	-	-	97.5	97.5	97.5	97	97	96.5	94.8	94.4	93	90	87	78			
PSM 125-315/1320	150x125	280	132	180	96	-	-	-	-	-	-	96	96	94	93.5	92	88.5	84	65			
PSM 125-315/1600	150x125	295	160	220	112	-	-	-	-	-	-	111.5	111	110	109.5	108	106	102	88			
PSM 125-315/1850	150x125	310	185	250	125	-	-	-	-	-	-	125	124.7	123	122.5	121.5	119	113	98			
PSM 125-315/2000	150x125	328	200	270	136	-	-	-	-	-	-	136	135.5	135	133.5	133	130	125	110			
PSM 150-250/1320	200x150	265	132	180	80.2	-	-	-	-	-	-	-	-	-	78	75	73.5	71	67			
PSM 150-250/1600	200x150	280	160	220	90	-	-	-	-	-	-	-	-	-	88	87	85	84	79			
PSM 150-250/2000	200x150	295	200	270	100	-	-	-	-	-	-	-	-	-	97	96	95	93	89			
PSM 150-315/1850	200x150	287	185	250	92	-	-	-	-	-	-	-	-	-	90	89	87.2	85	80			
PSM 150-315/2500	200x150	305	250	340	111	-	-	-	-	-	-	-	-	-	110	108	106	104	98			
PSM 150-315/2800	200x150	315	280	380	124	-	-	-	-	-	-	-	-	-	121	120	118	116	111			
PSM 150-315/3150	200x150	327	315	430	135	-	-	-	-	-	-	-	-	-	134	133	132	130	124			





YE3 Electric Motor for Pumps



PSM

PSM Centrifugal Pump Coupled with Electric Motor

YE-3 Electric Motor for Pumps

Technical Specifications

- ✧ Can be offered separately
- ✧ YE3 high efficient motor with protection IP55 class F
- ✧ Pump case with Anti-corrosive coating
- ✧ With quality NSK bearings, wear resistance mechanical seal
- ✧ Easy Installation

USING LIMITS

- ✧ Liquid temperature between -10°C and +120°C
- ✧ Ambient temperature up to +50°C
- ✧ Max. working pressure 16 bar
- ✧ Continuous service S1

TECHNICAL DATA

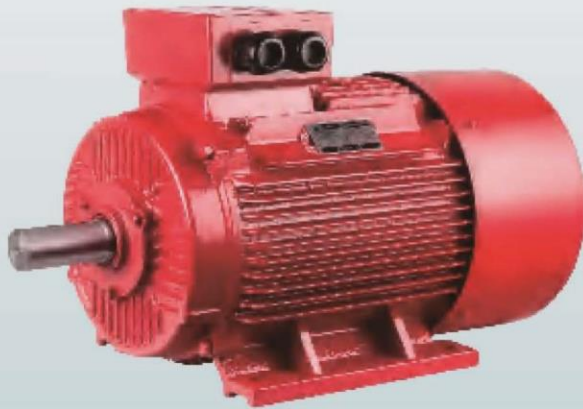
50 Hz n=2900 1/min

MODEL	Power		RPM	η			$\cos \Phi$	A			Nm	Ts/Tn	Tmax/Tn	Is/In	dB(A)	Kgs
	kw	hp		%	75%	50%		380V	400V	415V						
YE3-801-2	0.75	1	2880	80.7	80.7	79.1	0.82	1.72	1.64	1.58	2.49	2.3	2.3	7	73	18.1
YE3-802-2	1.1	1.5	2880	82.7	82.7	81	0.83	2.43	2.31	2.23	3.65	2.2	2.3	7.3	73	19.5
YE3-90S-2	1.5	2	2895	84.2	84.2	82.5	0.84	3.22	3.06	2.95	4.95	2.2	2.3	7.6	76	23.3
YE3-90L-2	2.2	3	2895	85.9	85.9	84.2	0.85	4.58	4.35	4.19	7.26	2.2	2.3	7.6	77	27.1
YE3-100L-2	3	4	2895	87.1	87.1	85.4	0.87	6.02	5.71	5.51	9.9	2.2	2.3	7.8	79	38.8
YE3-112M-2	4	5.5	2905	88.1	88.1	86.3	0.88	7.84	7.45	7.18	13.1	2.2	2.3	8.3	80	48.3
YE3-132S1-2	5.5	7.5	2930	89.2	89.2	87.4	0.88	10.6	10.1	9.75	17.9	2	2.3	8.3	83	55.1
YE3-132S2-2	7.5	10	2930	90.1	90.1	88.3	0.88	14.4	13.7	13.2	24.4	2	2.3	7.9	84	69.2
YE3-160M1-2	11	15	2945	91.2	91.2	89.4	0.89	20.6	19.6	18.9	35.7	2	2.3	8.1	87	113
YE3-160M2-2	15	20	2945	91.9	91.9	90.1	0.89	27.9	26.5	25.5	48.6	2	2.3	8.1	87	123
YE3-160L-2	18.5	25	2940	92.4	92.4	90.6	0.89	34.2	32.5	31.3	60.1	2	2.3	8.2	90	142
YE3-180M-2	22	30	2955	92.7	92.7	90.8	0.89	45.5	38.5	37.1	71.1	2	2.3	8.2	90	182
YE3-200L1-2	30	40	2960	93.3	93.3	91.4	0.89	58.9	52.1	50.3	96.8	2	2.3	7.6	91	246
YE3-200L2-2	37	50	2960	93.7	93.7	91.8	0.89	67.4	64	61.7	119.4	2	2.3	7.6	91	265
YE3-225M-2	45	60	2965	94	94	92.1	0.9	87.8	76.8	74	144.9	2	2.3	7.7	93	323
YE3-250M-2	55	75	2970	94.3	94.3	92.4	0.9	112	93.5	90.2	176.9	2	2.3	7.7	93	413
YE3-280S-2	75	100	2975	94.7	94.7	92.8	0.9	144	127	122	240.8	1.8	2.3	7.1	94	546
YE3-280M-2	90	125	2975	95	95	93.1	0.9	170	152	146	288.9	1.8	2.3	7.1	94	569
YE3-315S-2	110	150	2978	95.2	95.2	93.3	0.9	209	185	179	352.8	1.8	2.3	7.1	94	897
YE3-315M-2	132	180	2978	95.4	95.4	93.5	0.9	244	222	214	423.3	1.8	2.3	7.1	95	1029
YE3-315L1-2	160	220	2980	95.6	95.6	93.7	0.91	279	265	256	512.8	1.8	2.3	7.2	95	1067
YE3-315L2-2	200	270	2980	95.8	95.8	93.9	0.91	349	331	319	640.9	1.8	2.2	7.2	95	1194
YE3-355M-2	250	340	2982	95.8	95.8	93.9	0.91	436	414	399	800.6	1.6	2.2	7.2	103	1685
YE3-355L-2	315	430	2982	95.8	95.8	93.9	0.91	549	522	503	1009	1.6	2.2	7.2	103	1734



YE3

Electric motor TEFC type



NEW

DESCRIPTION



- ◆ Design according to IEC60034 standard
- ◆ TOTAL ENCLOSED FAN COOLING TYPE motor
- ◆ YE3 high efficient motor
- ◆ Protection IP55 class F
- ◆ Quality NSK bearing
- ◆ Continuous duty S1
- ◆ Reliable used for fire fighting system etc.
- ◆ Ambient temperature up to +50°C
- ◆ Cooling type : IC411

MODEL CODE

For example

YE3 - 160 (S/M/L) 2/1-2/4

2=2 poles motor 2900rpm

4=4 poles motor 1450rpm

Stator size code

2=Longer size

1=Long size

Blank:Standard size

Frame length code

S=Short size/Talla corta/Taille courte

M=Middle size/Tamaño medio/Taille moyenne

L=Long size/Talla larga/Taille longue

160=Motor frame size(mm)

YE3=YE3 high efficient motor



TECHNICAL DATA

50 Hz n=2900 1/min

MODEL	Power		RPM	η	η	η	$\cos \Phi$	A			Nm	Ts/Tn	Tmax/Tn	Is/In	dB(A)	Kgs
	kw	hp						380V	400V	415V						
YE3-801-2	0.75	1	2880	80.7	80.7	79.1	0.82	1.72	1.64	1.58	2.49	2.3	2.3	7	73	18.1
YE3-802-2	1.1	1.5	2880	82.7	82.7	81	0.83	2.43	2.31	2.23	3.65	2.2	2.3	7.3	73	19.5
YE3-90S-2	1.5	2	2895	84.2	84.2	82.5	0.84	3.22	3.06	2.95	4.95	2.2	2.3	7.6	76	23.3
YE3-90L-2	2.2	3	2895	85.9	85.9	84.2	0.85	4.58	4.35	4.19	7.26	2.2	2.3	7.6	77	27.1
YE3-100L-2	3	4	2895	87.1	87.1	85.4	0.87	6.02	5.71	5.51	9.9	2.2	2.3	7.8	79	38.8
YE3-112M-2	4	5.5	2905	88.1	88.1	86.3	0.88	7.84	7.45	7.18	13.1	2.2	2.3	8.3	80	48.3
YE3-132S1-2	5.5	7.5	2930	89.2	89.2	87.4	0.88	10.6	10.1	9.75	17.9	2	2.3	8.3	83	55.1
YE3-132S2-2	7.5	10	2930	90.1	90.1	88.3	0.88	14.4	13.7	13.2	24.4	2	2.3	7.9	84	69.2
YE3-160M1-2	11	15	2945	91.2	91.2	89.4	0.89	20.6	19.6	18.9	35.7	2	2.3	8.1	87	113
YE3-160M2-2	15	20	2945	91.9	91.9	90.1	0.89	27.9	26.5	25.5	48.6	2	2.3	8.1	87	123
YE3-160L-2	18.5	25	2940	92.4	92.4	90.6	0.89	34.2	32.5	31.3	60.1	2	2.3	8.2	90	142
YE3-180M-2	22	30	2955	92.7	92.7	90.8	0.89	45.5	38.5	37.1	71.1	2	2.3	8.2	90	182
YE3-200L1-2	30	40	2960	93.3	93.3	91.4	0.89	58.9	52.1	50.3	96.8	2	2.3	7.6	91	246
YE3-200L2-2	37	50	2960	93.7	93.7	91.8	0.89	67.4	64	61.7	119.4	2	2.3	7.6	91	265
YE3-225M-2	45	60	2965	94	94	92.1	0.9	87.8	76.8	74	144.9	2	2.3	7.7	93	323
YE3-250M-2	55	75	2970	94.3	94.3	92.4	0.9	112	93.5	90.2	176.9	2	2.3	7.7	93	413
YE3-280S-2	75	100	2975	94.7	94.7	92.8	0.9	144	127	122	240.8	1.8	2.3	7.1	94	546
YE3-280M-2	90	125	2975	95	95	93.1	0.9	170	152	146	288.9	1.8	2.3	7.1	94	569
YE3-315S-2	110	150	2978	95.2	95.2	93.3	0.9	209	185	179	352.8	1.8	2.3	7.1	94	897
YE3-315M-2	132	180	2978	95.4	95.4	93.5	0.9	244	222	214	423.3	1.8	2.3	7.1	95	1029
YE3-315L1-2	160	220	2980	95.6	95.6	93.7	0.91	279	265	256	512.8	1.8	2.3	7.2	95	1067
YE3-315L2-2	200	270	2980	95.8	95.8	93.9	0.91	349	331	319	640.9	1.8	2.2	7.2	95	1194
YE3-355M-2	250	340	2982	95.8	95.8	93.9	0.91	436	414	399	800.6	1.6	2.2	7.2	103	1685
YE3-355L-2	315	430	2982	95.8	95.8	93.9	0.91	549	522	503	1009	1.6	2.2	7.2	103	1734

50 Hz n=1450 1/min

MODEL	Power		RPM	η	η	η	$\cos \Phi$	A			Nm	Ts/Tn	Tmax/Tn	Is/In	dB(A)	Kgs
	kw	hp						380V	400V	415V						
YE3-801-4	0.55	0.75	1400	80.8	80.8	79.2	0.75	1.38	1.31	1.26	3.75	2.4	2.3	5.2	63	17.6
YE3-802-4	0.75	1	1420	82.5	82.5	80.9	0.75	1.84	1.75	1.69	5.04	2.3	2.3	6.6	63	18.4
YE3-90S-4	1.1	1.5	1445	84.1	84.1	82.4	0.76	2.61	2.48	2.39	7.27	2.3	2.3	6.8	66	24.2
YE3-90L-4	1.5	2	1445	85.3	85.3	83.6	0.77	3.47	3.3	3.18	9.91	2.3	2.3	7	66	29.7
YE3-100L1-4	2.2	3	1450	86.7	86.7	85	0.81	4.76	4.52	4.36	14.6	2.3	2.3	7.6	68	41.5
YE3-100L2-4	3	4	1450	87.7	87.7	85.9	0.82	6.34	6.02	5.8	20	2.3	2.3	7.6	68	46
YE3-112M-4	4	5.5	1450	88.6	88.6	86.8	0.82	8.37	7.95	7.66	26.5	2.2	2.3	7.8	72	63.2
YE3-132S-4	5.5	7.5	1460	89.6	89.6	87.8	0.83	11.2	10.7	10.3	36	2	2.3	7.9	74	71.2
YE3-132M-4	7.5	10	1460	90.4	90.4	88.6	0.84	15	14.3	13.7	49.1	2	2.3	7.5	77	85.1
YE3-160M-4	11	15	1465	91.4	91.4	89.6	0.85	21.5	20.4	19.7	71.7	2.2	2.3	7.7	78	121
YE3-160L-4	15	20	1465	92.1	92.1	90.3	0.86	28.8	27.3	26.3	97.8	2.2	2.3	7.8	82	142
YE3-180M-4	18.5	25	1470	92.6	92.6	90.7	0.86	35.3	33.5	32.3	120.2	2	2.3	7.8	82	181
YE3-180L-4	22	30	1470	93	93	91.1	0.86	41.8	39.7	38.3	142.9	2	2.3	7.8	82	209
YE3-200L-4	30	40	1475	93.6	93.6	91.7	0.86	56.6	53.8	51.8	194.2	2	2.3	7.3	84	284
YE3-225S-4	37	50	1485	93.9	93.9	92	0.86	69.6	66.1	63.7	237.9	2	2.3	7.4	85	328
YE3-225M-4	45	60	1485	94.2	94.2	92.3	0.86	84.4	80.2	77.3	289.4	2	2.3	7.4	86	363
YE3-250M-4	55	75	1485	94.6	94.6	92.7	0.86	103	97.6	94.1	353.7	2.2	2.3	7.4	86	442
YE3-280S-4	75	100	1486	95	95	93.1	0.88	136	139	125	482	2	2.3	6.9	89	569
YE3-280M-4	90	125	1486	95.2	95.2	93.3	0.88	163	155	149	578.4	2	2.3	6.9	89	639
YE3-315S-4	110	150	1488	95.4	95.4	93.5	0.89	197	187	180	706	2	2.2	7	89	939
YE3-315M-4	132	180	1488	95.6	95.6	93.7	0.89	236	224	216	847.2	2	2.2	7	92	1033
YE3-315L1-4	160	220	1488	95.8	95.8	93.9	0.89	285	271	261	1027	2	2.2	7.1	92	1126
YE3-315L2-4	200	270	1490	96	96	94.1	0.9	352	334	322	1282	2	2.2	7.1	92	1238
YE3-355M-4	250	340	1490	96	96	94.1	0.9	440	418	403	1602	2	2.2	7.1	101	1830
YE3-355L-4	315	430	1490	96	96	94.1	0.9	554	526	507	2019	2	2.2	7.1	101	1950

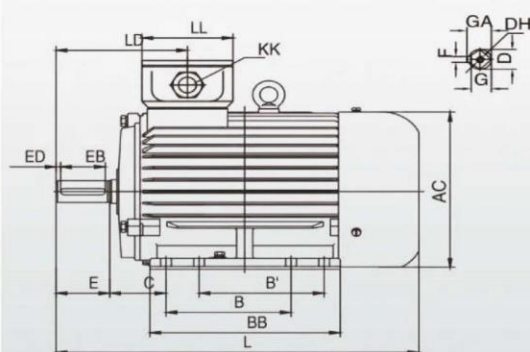


This exploded view diagram illustrates the assembly of a motor. The components are numbered 1 through 24. The main motor body (5) is the central component. To its left is the fan assembly, including the fan (1), fan frame (2), and fan cover (3). The motor is mounted on a base (4). To the right of the motor body is the terminal box assembly, which includes the terminal box (12), terminal box cover (13), and terminal box mounting bracket (14). The terminal box is connected to the motor body via a terminal box mounting bracket (15). The terminal box cover is secured with screws (16). The terminal box mounting bracket is secured with screws (17). The terminal box is secured with screws (18). The terminal box cover is secured with screws (19). The terminal box mounting bracket is secured with screws (20). The terminal box is secured with screws (21). The terminal box cover is secured with screws (22). The terminal box mounting bracket is secured with screws (23). The terminal box is secured with screws (24).

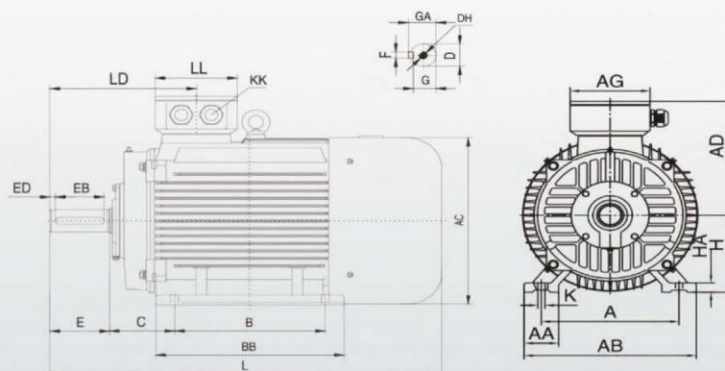
No.	Description	Material	No.	Description	Material	No.	Description	Material
1	Fan cover	Iron	9	Shaft	45# Steel	17	Screw	Steel
2	Fan	Plastic	10	Front endshield	Cast iron	18	Gasket	Rubber
3	Rear endshield	Cast iron	11	Bearing cap	Cast iron	19	Terminal box cover	Aluminum
4	Rear bearing	Ball Bearing	12	Seal	Rubber	20	Terminal board	Plastic
5	Frame	Cast iron	13	Bolt	Steel	21	Terminal box	Aluminum
6	Wound Stator	Silicon Steel/Copper	14	Front bearing	Ball Bearing	22	Terminal box plug	Plastic
7	Rotor	Silicon Steel	15	Internal bearing cap	Cast iron	23	Nameplate	Aluminum
8	Key	Iron	16	Gasket	Rubber	24	Seal	Rubber



DIMENSIONS



80-132



160-355

MODEL	DIMENSIONS														mm										
	A	AA	AB	AC	AD	AG	B	BB	C	D	DH	E	EB	ED	F	G	GA	H	HA	K	KK	L	LD	LL	
80	125	34	160	167	147	102	100	150	50	19	M6X16	40	30	2.5	6	15.5	21.5	80	10	4-Φ10	1-M25X1.5	304	119	102	
90S	140	36	176	182.4	154.5	102	100	161	56	24	M8X19	50	40	5	8	20	27	90	12	4-Φ10	1-M25X1.5	336	143	102	
90L	140	36	176	182.4	154.5	102	125	186	56	24	M8X19	50	40	5	8	20	27	90	12	4-Φ10	1-M25X1.5	361	143	102	
100L	160	40	200	205.4	166	102	140	213	63	28	M10X22	60	50	5	8	24	31	100	14	4-Φ12	1-M32X1.5	406	147	102	
112M	190	50	240	230	188	118	140	188	70	28	M10X22	60	50	5	8	24	31	112	15	4-Φ12	2-M32X1.5	394	147	110	
132S	216	55	265	258.4	203	118	140	186	89	38	M12X28	80	65	5	10	33	41	132	18	4-Φ12	2-M32X1.5	438	172	110	
132M	216	55	265	258.4	203	118	178	224	89	38	M12X28	80	65	7.5	10	33	41	132	18	4-Φ12	2-M32X1.5	476	172	110	
160M	254	65	314	314	251	162	210	260	108	42	M16X36	110	90	7.5	12	37	45	160	20	4-Φ14.5	2-M40X1.5	608	256	152	
160L	254	65	314	314	251	162	254	304	108	42	M16X36	110	90	10	12	37	45	160	20	4-Φ14.5	2-M40X1.5	652	256	152	
180M	279	70	349	355	267	162	241	311	121	48	M16X36	110	90	10	14	42.5	51.5	180	22	4-Φ14.5	2-M40X1.5	688	271	152	
180L	279	70	349	355	267	162	279	349	121	48	M16X36	110	90	10	14	42.5	51.5	180	22	4-Φ14.5	2-M40X1.5	726	271	152	
200L	318	70	388	397	299	210	305	369	133	55	M20X42	110	100	10	16	49	59	200	25	4-Φ18.5	2-M50X1.5	779	296	190	
225S	356	75	431	446	322	210	286	368	149	60	M20X42	140	125	5	18	53	64	225	28	4-Φ18.5	2-M50X1.5	824	329	190	
225M	356	75	431	446	322	210	311	393	149	55	M20X42	110	100	7.5	16	49	59	225	28	4-Φ18.5	2-M50X1.5	819	299	190	
250M	406	80	484	485	358	248	349	445	168	60	M20X42	140	125	7.5	18	53	64	250	30	4-Φ24	2-M63X1.5	910	347	218	
280S	457	85	542	547	387	248	368	485	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Φ24	2-M63X1.5	982	355.5	218	
280M	457	85	542	547	387	248	419	536	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Φ24	2-M63X1.5	1033	355.5	218	
315S	508	120	628	620	527	320	406	570	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	2-M63X1.5	1194	397	280	
315M	508	120	628	620	527	320	457	680	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	2-M63X1.5	1304	397	280	
315L	508	120	628	620	527	320	508	680	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	2-M63X1.5	1304	397	280	
355M	610	116	726	698	642	380	560	750	254	75	M20X42	140	130	5	20	67.5	79.5	355	52	6-Φ28	2-M63X1.5	1486	414	330	
355L	610	116	726	698	642	380	630	750	254	75	M20X42	140	130	5	20	67.5	79.5	355	52	6-Φ28	2-M63X1.5	1486	414	330	

