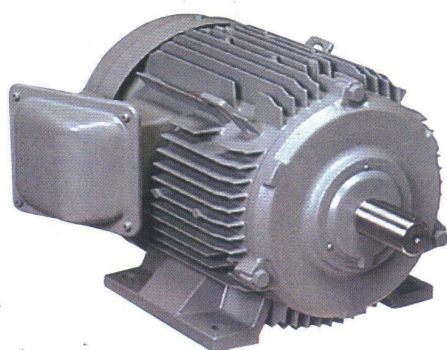


Three-Phase Induction Motors

Totally Enclosed Fan-Cooled Type (TEFC)

IP55 Series / Foot Mount Type [TFO-K(KK)]

1/7~180HP (0.1~132kW) / Left terminal box position (upto 180M)



Model:

xxHP or kW TFO-K(KK) xP IP55 TML

Output

No of pole

Item		Specifications
Motor Output		1/7~180HP (0.1~132kW)
Rating		Continuous [S1]
Number of pole		2, 4, 6 pole
Insulation Class		F type
Enclosure		IP55 (Outdoor use)
Voltage, Frequency		Consult to nearest representative
Number of Cable		~5 HP 6 Wires (Direct starting 220V or 380V)
		7.5 HP ~ 6 Wires (Star Δ - Δ Delta Starting)
	2 pole 30 HP ~	12 Wires (Star Δ - Δ Delta Starting)
	4 pole 40 HP ~	
Color	6 pole 50 HP ~	
		Alcron gray (MUNSAELL 8.9Y5.1/0.3)
Rotation		CCW (View from motor drive end)
Environment	Temperature	-30 ~ 40 °C
	Humidity	Enclosed type Max 95% RH
	Altitude	Max 1,000 m

Type From	Frame size	Output (HP)			Insulation	Fig. No	Dimension in mm										
		2 Pole	4 Pole	6 Pole			L	R	A	B	D	KL	KD	K	J	H	C
TO-K	63M	-	1/7	-	B	1	212	103	109	78.5	116	125	PF1/2	25	25	134.5	63 ± 0.5
	63M	-	1/4	-	B	1	212	103	109	78.5	116	125	PF1/2	25	25	134.5	63 ± 0.5
TFO-K	71M	1/2	1/2	-	B	2	236	120	116	87	145	158	PF3/4	25	30	164	71 ± 0.5
	80M	1	1	1/2	B	2	268.5	140	128.5	97	163	166	PF3/4	25	35	175	80 ± 0.5
	90L	$\frac{2}{3}$	2	1	B	3	315	168.5	146.5	116	180	168	PF3/4	49	35.5	180	90 ± 0.5
	100L	-	3	2	B	3	356	193	163	130.5	199	176	PF 1	51.5	45	199.5	100 ± 0.5
	112M	5	5	3	B	3	372	200	172	137.5	223	190	PF 1	51.5	45	223.5	112 ± 0.5
TFO-KK	132S	$\frac{7.5}{10}$	7.5	5	B	4	427.5	239	188.5	153	250	234	PF1 $\frac{1}{4}$	56	50	257	132 ± 0.5
	132M	-	10	7.5	B	4	465.5	258	207.5	172	250	234	PF1 $\frac{1}{4}$	56	50	257	132 ± 0.5
	160M	$\frac{15}{20}$	15	10	B	4	595	323	272	198	292	260	PF1 $\frac{1}{2}$	107	60	303.5	160 ± 0.5
	160L	25	20	15	B	4	595	345	250	220	292	260	PF1 $\frac{1}{2}$	107	60	303.5	160 ± 0.5
	180M	30	$\frac{25}{30}$	20	B	4	643	351.5	291.5	226.5	340	283	PF 2	75	90	350	180 ± 0.5
TFO-KK	180L	40	40	$\frac{25}{30}$	F	5	716	370.5	345.5	245.5	340	-	PF2 $\frac{1}{2}$	75	90	494	180 ± 0.5
	(200LB) 200L	50 60	50 60	40 50	F	(6) 5	(790) 820	(395.5) 425.5	394.5	(276.5) 270.5	391	-	PF2 $\frac{1}{2}$	85	110	541.5	200 ± 0.5
	(225SB) 225S	75	$\frac{75}{100}$	60	F	(6) 5	(826.5) 856.5	(402) 432	424.5	(283) 270.5	391	-	PF2 $\frac{1}{2}$	85	110	566.5	225 ± 0.5
	(250SD) 250S	100		75	F	6	(909) 939	(433.5) 463.5	475.5	(313.5) 312.5	490	-	PF2 $\frac{1}{2}$	-	100	735	250 ± 0.5
	(250MD) 250M	120	120	100	F	6	(909) 939	(452.5) 482.5	456.5	(332.5) 331.5	490	-	PF2 $\frac{1}{2}$	-	100	735	250 ± 0.5
	(280SD) 280S	150	150	120	F	6	(1008) 1068	(484) 544	524	(364) 363	550	-	PF 3	-	100	795	280 ± 1.0
	(280MD) 280M	180	180	150	F	6	(1008) 1068	(509.5) 569.5	498.5	(389.5) 388.5	550	-	PF 3	-	100	795	280 ± 1.0
	315S	-	-	180	F	6	1178	589	589	408	633	-	PF 3	-	125	865	315 ± 1.0

() : 2 pole Motor

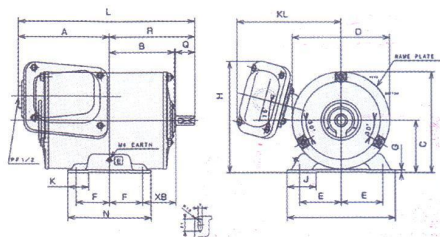


Fig.1

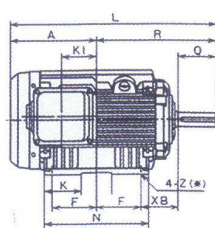


Fig.4

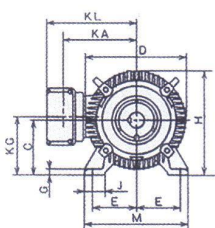


Fig.5

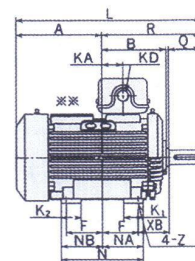


Fig.6

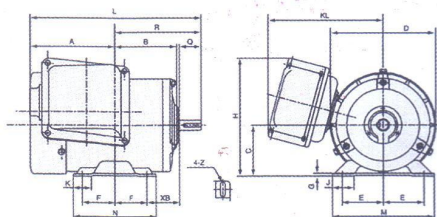


Fig.2

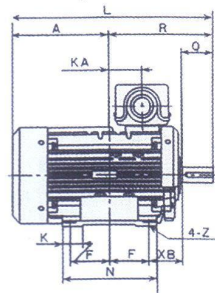
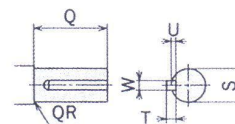
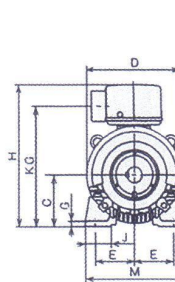


Fig.3



Shaft Dimension

Dimension in mm													Approx Weight (kg)			Approx Packing Dimension (cm)
F	E	N	M	G	Z	XB	S	W	U	T	Q	QR	2 Pole	4 Pole	6 Pole	H x W x L
40	50	100	130	3.2	7x21	40	11 ^{+0.011} _{-0.011}	—	1	—	23	1.5	8	8.5	—	
40	50	100	130	3.2	7x21	40	11 ^{+0.008} _{-0.003}	5	3	5	30	1.0	8	8.5	—	16 x 22 x 27
45	56	115	140	3.2	7x20	45	14 ^{+0.009} _{-0.004}	6	3.5	6	40	0.3	10	12	12	18 x 24 x 31
62.5	70	155	170	10	10	56	24 ^{+0.009} _{-0.004}	8	4	7	50	0.3	15	16	16	20 x 27 x 37
70	80	175	195	12.5	12	63	28 ^{+0.009} _{-0.004}	8	4	7	60	0.5	—	21	23	25 x 29 x 39
70	95	175	224	14	12	70	28 ^{+0.009} _{-0.004}	8	4	7	60	0.5	27.5	28	30	27 x 32 x 41
70	108	175	250	16	12	89	38 ^{+0.018} _{+0.002}	10	5	8	80	0.5	39	44	40	34.2 x 45.5 x 57.5
89	108	212	250	16	12	89	38 ^{+0.018} _{+0.002}	10	5	8	80	0.5	—	48	52	34.2 x 45.5 x 57.5
105	127	300	300	18	14.5	108	42 ^{+0.018} _{+0.002}	12	5	8	110	1	70	79	73	39 x 51 x 72.5
127	127	300	300	18	14.5	108	42 ^{+0.018} _{+0.002}	12	5	8	110	1	85	85	90	39 x 51 x 72.5
120.5	139.5	300	350	20	14.5	121	48 ^{+0.018} _{+0.002}	14	5.5	9	110	1.5	115	120	130	53 x 60 x 73
139.5	139.5	335	350	20	14.5	121	55 ^{+0.030} _{+0.011}	16	6	10	110	1.5	140	155	150	64 x 45 x 86
152.5	159	365	400	23	18.5	133	(55 ^{+0.030} _{+0.011}) 60 ^{+0.030} _{+0.011}	(16) 18	(6) 7	(10) 11	(110) 140	(—) 1.5	200 210	210 230	220 240	67 x 50 x 91
143	178	350	450	23	18.5	149	(55 ^{+0.030} _{+0.011}) 65 ^{+0.030} _{+0.011}	(16) 18	(6) 7	(10) 11	(110) 140	(—) 2.5	235	260	265	72 x 56 x 96
155.5	203	428	500	30	24	168	(55 ^{+0.030} _{+0.011}) 75 ^{+0.030} _{+0.011}	(16) 20	(6) 7.5	(10) 12	(110) 140	—	430	450	420	84 x 63 x 108
174.5	203	428	500	30	24	168	(55 ^{+0.030} _{+0.011}) 75 ^{+0.030} _{+0.011}	(16) 20	(6) 7.5	(10) 12	(110) 140	—	450	515	500	84 x 63 x 108
184	228.5	501	550	30	24	190	(55 ^{+0.030} _{+0.011}) 85 ^{+0.030} _{+0.011}	(16) 22	(6) 9	(10) 14	(110) 170	—	610	625	630	94 x 70 x 123
209.5	228.5	501	550	30	24	190	(55 ^{+0.030} _{+0.011}) 85 ^{+0.030} _{+0.011}	(16) 22	(6) 9	(10) 14	(110) 170	—	630	680	720	94 x 70 x 123
203	254	540	615	28	28	216	95 ^{+0.035} _{+0.013}	25	9	14	170	—	—	—	930	97 x 73 x 134