

# ***Open Advantage***

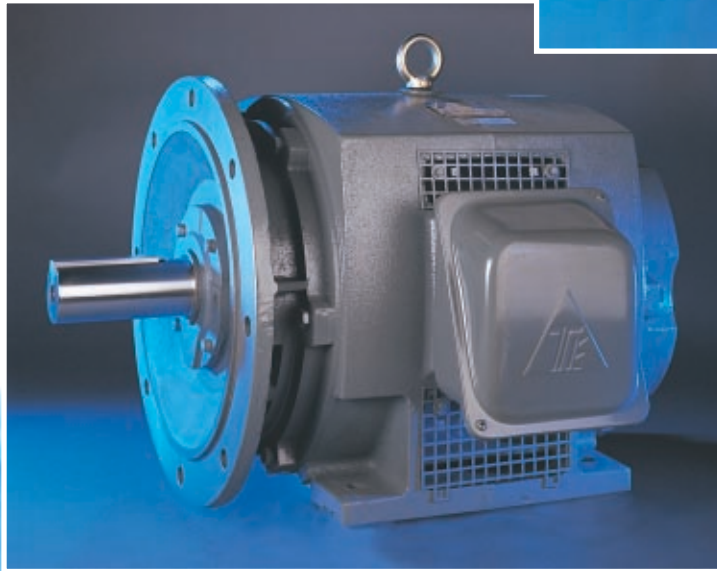
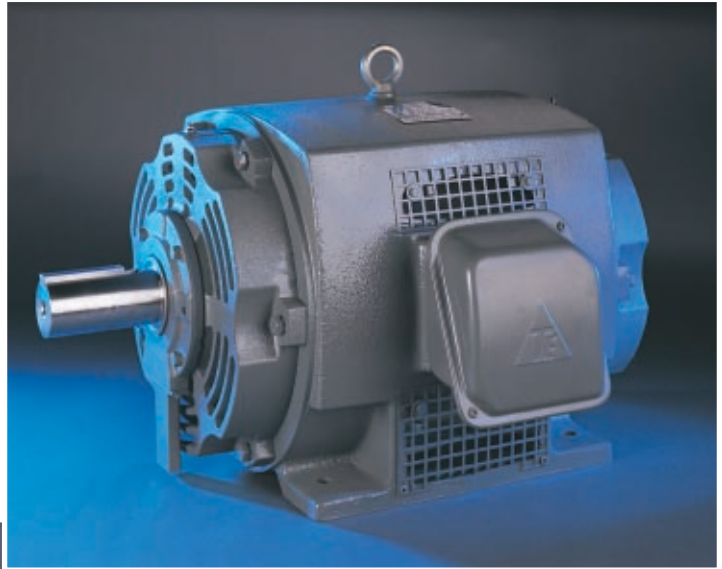
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British EN Standards 400 volt 3 phase 50Hz

Frames C160 to C315 Open Drip proof enclosure IP23

Horizontal Shaft, Foot Mounting also Foot and Flange Mounting

Ranging from 11kW up to 220kW in 2 and 4 pole



## **A Global Force**



**TECO**

**Westinghouse**



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TECO ELECTRIC EUROPE LIMITED

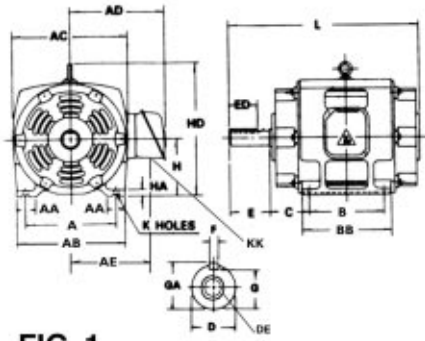


FIG. 1

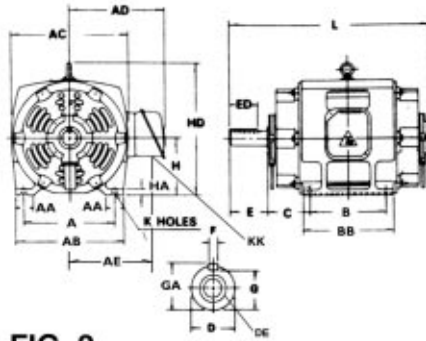


FIG. 2

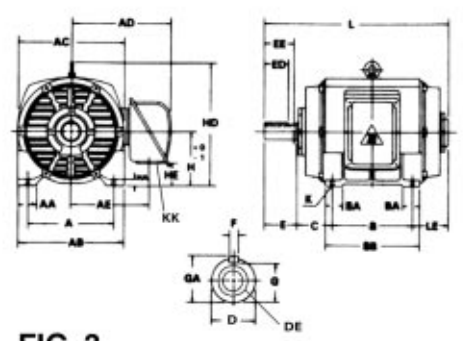


FIG. 3

Dimensions in mm

2P	Output (kW)				Frame No.	Fig. No.	A	AA	AB	AC	AD	AE	B	BA	BB	C	H	HA	HD	HE	K	KK
	4P	6P	8P																			
11/15	11	7.5	-	C160M	1	254	50	300	323	262.5	218	210	-	250	108	160	18	375	96	14.5	M32xP1.5	
18.5/22	15/18.5	11	-	C160L		254	50	300	323	262.5	218	254	-	300	108	160	18	375	96	14.5	M32xP1.5	
30	-	-	-	C180MA	2	279	75	355	369	306.5	250	241	-	293	121	180	20	415	104	14.5	M32xP1.5	
-	22	15	-	C180MC		279	75	355	369	306.5	250	241	-	293	121	180	20	415	104	14.5	M32xP1.5	
37	-	-	-	C180LA		279	75	355	369	306.5	250	279	-	331	121	180	20	415	104	14.5	M32xP1.5	
-	30	18.5	-	C180LC		279	75	355	369	306.5	250	279	-	331	121	180	20	415	104	14.5	M32xP1.5	
45	-	-	-	C200MA		318	80	400	409	340.5	279	267	-	325	133	200	25	464	112	18.5	1.5inchxB531	
-	37	22	-	C200MC		318	80	400	409	340.5	279	267	-	325	133	200	25	464	112	18.5	1.5inchxB531	
55	-	-	-	C200LA		318	80	400	409	340.5	279	305	-	365	133	200	25	464	112	18.5	1.5inchxB531	
-	45	30	-	C200LC		318	80	400	409	340.5	279	305	-	365	133	200	25	464	112	18.5	1.5inchxB531	
75	-	-	-	C225MA		356	90	430	444	378.5	307	311	-	380	149	225	30	522	137	18.5	2inchxB531	
-	55	37	-	C225MC		356	90	430	444	378.5	307	311	-	380	149	225	30	522	137	18.5	2inchxB531	
*90	-	-	-	C250SA	406	95	500	500	479	364	311	-	398	168	250	32	573	-	24	M63xP1.5		
-	75	45	37	C250SC	406	95	500	500	479	364	311	-	398	168	250	32	573	-	24	M63xP1.5		
*110	-	-	-	C250MA	406	95	500	500	479	364	349	-	436	168	250	32	573	-	24	M63xP1.5		
-	90	55	45	C250MC	406	95	500	500	479	364	349	-	436	168	250	32	573	-	24	M63xP1.5		
*132,150	-	-	-	C280SA	457	100	560	560	509	-	368	95	450	190	280	36	653	-	24	M63xP1.5		
-	110	75	55	C280SC	457	100	560	560	509	-	368	95	450	190	280	36	653	-	24	M63xP1.5		
*185	-	-	-	C280MA	457	100	560	560	509	-	419	95	500	190	280	36	653	-	24	M63xP1.5		
-	132,150	90	75	C280MC	457	100	560	560	509	-	419	95	500	190	280	36	653	-	24	M63xP1.5		
220	-	-	-	C315SA	508	110	610	610	534	-	406	110	490	216	315	40	733	-	28	M63xP1.5		
-	*185	110	90	C315SB/SC	508	110	610	610	534	-	406	110	490	216	315	40	733	-	28	M63xP1.5		
*250	-	-	-	C315MA	508	110	610	610	534	-	457	110	540	216	315	40	733	-	28	M63xP1.5		
-	*220	132,150	110	C315MB/MC	508	110	610	610	534	-	457	110	540	216	315	40	733	-	28	M63xP1.5		

Frame No.	Fig. No.	Shaft Extension										Bearings		Approx. Weight Kgs	DE
		L	LE	D	E	ED	EE	F	G	GA	Drive End	Opposite Drive End			
C160M	1	528	100	48	110	80	-	14	42.5	51.5	6310zz	6309zz	105	M16x32	
C160L		572	100	48	110	80	-	14	42.5	51.5	6310zz	6309zz	132	M16x32	
C180MA	2	602	130	55	110	80	-	16	49.0	59.0	6212C3	6211C3	180	M20x40	
C180MC		602	130	55	110	80	-	16	49.0	59.0	NU213	6211	175	M20x40	
C180LA		640	130	55	110	80	-	16	49.0	59.0	6212C3	6211C3	200	M20x40	
C180LC		640	130	55	110	80	-	16	49.0	59.0	NU213	6211	195	M20x40	
C200MA		682	142	60	140	110	-	18	53.0	64.0	6213C3	6213C3	240	M20x40	
C200MC		682	142	60	140	110	-	18	53.0	64.0	NU213	6213	247	M20x40	
C200LA		720	142	60	140	110	-	18	53.0	64.0	6213C3	6213C3	266	M20x40	
C200LC		720	142	60	140	110	-	18	53.0	64.0	NU213	6213	273	M20x40	
C225MA		751	151	60	140	110	-	18	53.0	64.0	6313C3	6213C3	310	M20x40	
C225MC		751	151	65	140	110	-	18	58.0	69.0	6314	6213	350	M20x40	
C250SA	781.5	163	65	140	110	-	18	58.0	69.0	6214C3	6214C3	500	M20x40		
C250SC	781.5	163	75	140	110	-	20	67.5	79.5	NU217	6214	520	M20x40		
C250MA	819.5	163	65	140	110	-	18	58.0	69.0	6214C3	6214C3	580	M20x40		
C250MC	819.5	163	75	140	110	-	20	67.5	79.5	NU217	6214	620	M20x40		
C280SA	3	891	193	65	140	110	134	18	58.0	69.0	6314C3	6314C3	740	M20x40	
C280SC		926	198	85	170	140	157	22	76.0	90.0	NU318	6316	760	M20x40	
C280MA		942	193	65	140	110	134	18	58.0	69.0	6314C3	6314C3	790	M20x40	
C280MC		977	198	85	170	140	157	22	76.0	90.0	NU318	6316	850	M20x40	
C315SA		989	227	70	140	110	134	20	62.5	74.5	6315C3	6315C3	900	M20x40	
C315SB/SC		1019	227	90	170	140	157	25	81.0	95.0	NU320	6318	940	M24x48	
C315MA		1040	227	70	140	110	134	20	62.5	74.5	6315C3	6315C3	1000	M20x40	
C315MB/MC		1070	227	90	170	140	157	25	81.0	95.0	NU320	6318	1150	M24x48	

Note: 1. Tolerance of shaft end diameter D:

- ø48 & below: k6
- ø55 & above: m6

2. Tolerance of shaft Center Height:

- +0-0.5 Fr 160-250
- +0-1 Fr 280-315

\*3. Couple service only.

4. Dimension EE is the length of straight part of the shaft.

5. All data is subject to change without prior notification. Not to be used for installation purposes without referring to TEE.

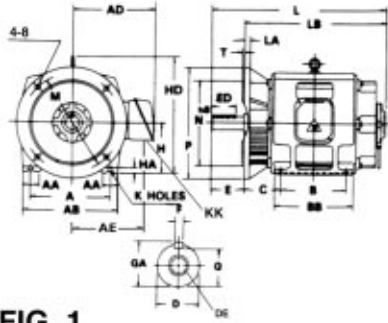


FIG. 1

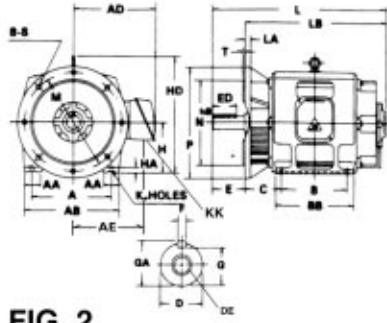


FIG. 2

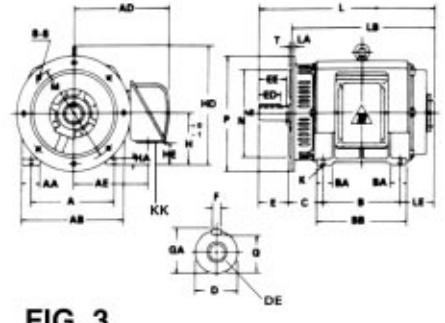


FIG. 3

Dimensions in mm

2P	Output (kW)			Frame No.	Fig. No.	Dimensions																			
	4P	6P	8P			A	AA	AB	AD	AE	B	BA	BB	C	H	HA	HD	HE	K	L	LA	DE	KK		
11/15	11	7.5	-	C160M	1	254	50	300	262.5	218	210	-	250	108	160	18	375	108	14.5	528	20	M16x32	M32xP1.5		
18.5/22	15/18.5	11	-	C160L		254	50	300	262.5	218	254	-	300	108	160	18	375	108	14.5	572	20	M16x32	M32xP1.5		
30	-	-	-	C180MA		279	75	355	306.5	250	241	-	297	121	180	20	415	118	14.5	602	20	M20x40	M32xP1.5		
-	22	15	-	C180MC		279	75	355	306.5	250	241	-	297	121	180	20	415	118	14.5	602	20	M20x40	M32xP1.5		
37	-	-	-	C180LA		279	75	355	306.5	250	279	-	355	121	180	20	415	118	14.5	640	20	M20x40	M32xP1.5		
-	30	18.5	-	C180LC	279	75	355	306.5	250	279	-	355	121	180	20	415	118	14.5	640	20	M20x40	M32xP1.5			
45	-	-	-	C200MA	2	318	80	400	341	279	267	-	325	133	200	25	464	128	18.5	682	20	M20x40	1.5inch x B531		
-	37	22	-	C200MC		318	80	400	341	279	267	-	325	133	200	25	464	128	18.5	682	20	M20x40	1.5inch x B531		
55	-	-	-	C200LA		318	80	400	341	279	305	-	365	133	200	25	464	128	18.5	720	20	M20x40	1.5inch x B531		
-	45	30	-	C200LC		318	80	400	341	279	305	-	365	133	200	25	464	128	18.5	720	20	M20x40	1.5inch x B531		
75	-	-	-	C225MA		356	90	430	378.5	307	311	-	380	149	225	30	522	153	18.5	751	20	M20x40	2inch x B531		
-	55	37	-	C225MC		356	90	430	377	307	311	-	380	149	225	30	522	153	18.5	751	20	M20x40	2inch x B531		
*90	-	-	-	C250SA		406	95	500	479	364	311	-	398	168	250	32	573	139	24	781.5	22	M20x40	M63xP1.5		
-	75	45	37	C250SC		406	95	500	479	364	311	-	398	168	250	32	573	139	24	781.5	22	M20x40	M63xP1.5		
*110	-	-	-	C250MA		406	95	500	479	364	349	-	436	168	250	32	573	139	24	819.5	22	M20x40	M63xP1.5		
-	90	55	45	C250MC		406	95	500	479	364	349	-	436	168	250	32	573	139	24	819.5	22	M20x40	M63xP1.5		
*132,150	-	-	-	C280SA	3	457	100	560	509	-	368	95	450	190	280	36	653	-	24	891	22	M20x40	M63xP1.5		
-	110	75	55	C280SC		457	100	560	509	-	368	95	450	190	280	36	653	-	24	926	22	M20x40	M63xP1.5		
*185	-	-	-	C280MA		457	100	560	509	-	419	95	500	190	280	36	653	-	24	942	22	M20x40	M63xP1.5		
-	132,150	90	75	C280MC		457	100	560	509	-	419	95	500	190	280	36	653	-	24	977	22	M20x40	M63xP1.5		
220	-	-	-	C315SA		508	110	610	534	-	406	110	490	216	315	40	733	-	28	989	22	M20x40	M63xP1.5		
-	*185	110	90	C315SB/SC		508	110	610	565	-	406	110	490	216	315	40	733	-	28	1019	22	M24x48	M63xP1.5		
*250	-	-	-	C315MA		508	110	610	534	-	457	110	540	216	315	40	733	-	28	1040	22	M20x40	M63xP1.5		
-	*220	132,150	110	C315MB/MC		508	110	610	565	-	457	110	540	216	315	40	733	-	28	1070	22	M24x48	M63xP1.5		

Frame No.	Fig. No.	LB	LE	Shaft Extension													Bearings	
				M	N	P	S	T	D	E	ED	EE	F	G	GA	Drive End	Opposite Drive End	
C160M	1	-	-	350	300	400	18.5	5	48	110	80	-	14	42.5	51.5	6310zz	6309zz	
C160L		-	-	350	300	400	18.5	5	48	110	80	-	14	42.5	51.5	6310zz	6309zz	
C180MA		-	-	350	300	400	18.5	5	55	110	80	-	16	49.0	59.0	6212C3	6211C3	
C180MC		-	-	350	300	400	18.5	5	55	110	80	-	16	49.0	59.0	NU213	6211	
C180LA		-	-	350	300	400	18.5	5	55	110	80	-	16	49.0	59.0	6212C3	6211C3	
C180LC		-	-	350	300	400	18.5	5	55	110	80	-	16	49.0	59.0	NU213	6211	
C200MA	2	-	-	400	350	450	18.5	5	60	140	110	-	18	53.0	64.0	6213C3	6213C3	
C200MC		-	-	400	350	450	18.5	5	60	140	110	-	18	53.0	64.0	NU213	6213	
C200LA		-	-	400	350	450	18.5	5	60	140	110	-	18	53.0	64.0	6213C3	6213C3	
C200LC		-	-	400	350	450	18.5	5	60	140	110	-	18	53.0	64.0	NU213	6213	
C225MA		-	-	500	450	550	18.5	5	60	140	110	-	18	53.0	64.0	6313C3	6213C3	
C225MC		-	-	500	450	550	18.5	5	65	140	110	-	18	58.0	69.0	6314	6213	
C250SA		641.5	162.5	600	550	660	24	6	65	140	110	-	18	58.0	69.0	6214C3	6214C3	
C250SC		641.5	162.5	600	550	660	24	6	75	140	110	-	20	67.5	79.5	NU217	6214	
C250MA		679.5	162.5	600	550	660	24	6	65	140	110	-	18	58.0	69.0	6214C3	6214C3	
C250MC		679.5	162.5	600	550	660	24	6	75	140	110	-	20	67.5	79.5	NU217	6214	
C280SA	3	751	193	600	550	660	24	6	65	140	110	134	18	58.0	69.0	6314C3	6314C3	
C280SC		757	198	600	550	660	24	6	85	170	140	157	22	76.0	90.0	NU318	6316	
C280MA		802	193	600	550	660	24	6	65	140	110	134	18	58.0	69.0	6314C3	6314C3	
C280MC		807	198	600	550	660	24	6	85	170	140	157	22	76.0	90.0	NU318	6316	
C315SA		849	227	740	680	800	24	6	70	140	110	134	20	62.5	74.5	6315C3	6315C3	
C315SB/SC		849	227	740	680	800	24	6	90	170	140	157	25	81.0	95.0	NU320	6318	
C315MA		890	227	740	680	800	24	6	70	140	110	134	20	62.5	74.5	6315C3	6315C3	
C315MB/MC		900	227	740	680	800	24	6	90	170	140	157	25	81.0	95.0	NU320	6318	

Note: 1. Tolerance of shaft end diameter D:

ø48 & below: k6

ø55 & above: m6

2. Tolerance of shaft Center Height:

+0-0.5 Fr 160-250

+0-1 Fr 280-315

\*3. Couple service only.

4. Dimension EE is the length of straight part of the shaft.

5. All data is subject to change without prior notification. Not to be used for installation purposes without referring to TEE.

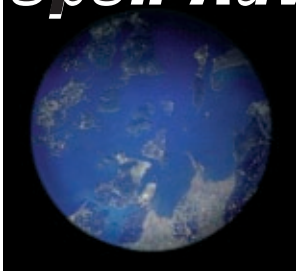
# Open Advantage

400 Volt 3 phase 50Hz class F Drip proof enclosure squirrel cage motors. The data given below is subject to BS specification tolerances.

Full Load Output kW	Full Load Speed (RPM)	Frame No.	Current @415V (AMP)	Efficiency%			Power Factor%			D.O.L. Start Current (%FLC)	D.O.L. Start Torque (%FLT)	Minimum Run-Up Torque (%FLT)	Pull Out Torque (%FLT)	Rotor Inertia G.D. <sup>2</sup> (Kgm <sup>2</sup> )
				100% Load	75% Load	50% Load	100% Load COS $\phi$	75% Load COS $\phi$	50% Load COS $\phi$					
7.5	960	160M	15.10	86.2	86.2	84.3	80.1	70.1	64.8	596	210	175	230	0.299
11	2920	160M	19.80	87.2	86.2	83.8	88.6	81.9	73.4	657	200	160	240	0.113
	1465	160M	21.00	89.1	88.6	86.5	81.9	75.8	64.8	667	210	170	250	0.277
	960	160L	21.30	87.7	87.2	84.8	81.9	76.3	67.7	657	220	175	240	0.407
15	2920	160M	27.50	88.6	89.1	87.7	85.8	81.9	78.2	655	210	170	240	0.140
	1460	160L	27.40	90.5	90.5	89.6	84.3	78.6	68.7	657	210	170	240	0.321
	970	180M	29.40	88.6	88.6	87.2	80.0	77.2	70.6	612	210	170	220	0.845
18.5	2915	160L	31.90	89.1	89.1	86.7	90.5	87.7	83.8	690	210	170	240	0.164
	1465	160L	33.30	90.0	90.0	89.6	85.8	79.6	66.8	661	210	170	230	0.394
	975	180L	35.90	89.6	89.1	87.7	80.0	74.8	72.0	641	220	170	230	1.170
22	2920	160L	37.70	90.5	91.0	90.0	89.6	87.7	83.4	663	200	170	230	0.191
	1465	180M	40.40	90.5	90.5	89.1	83.8	78.6	65.8	619	210	170	210	0.624
	975	200M	40.90	91.4	91.4	91.0	81.9	78.2	70.6	611	210	170	230	1.639
30	2925	180M	52.60	91.0	91.0	90.0	87.2	85.3	77.2	608	200	170	230	0.262
	1455	180L	53.20	91.4	91.9	91.4	85.8	81.0	71.5	602	210	170	210	0.762
	975	200L	56.40	91.4	91.4	90.0	81.0	76.3	67.2	594	220	170	230	1.952
37	2925	180L	63.20	91.9	92.4	91.4	88.6	87.2	82.4	601	200	165	230	0.314
	1465	220M	65.30	91.4	91.9	91.0	86.2	82.4	72.4	628	220	175	220	1.197
	975	225MC	69.20	91.9	91.4	90.5	81.0	77.2	65.8	607	200	160	200	2.728
	715	250SC	71.70	91.5	92.1	90.1	79.0	74.0	66.0	572	150	120	220	3.700
45	2940	200M	76.50	92.9	92.4	92.4	88.1	86.7	83.8	549	150	120	210	0.543
	1465	200L	79.90	91.9	91.9	91.4	85.3	81.9	74.3	626	220	175	230	1.357
	955	250SC	82.40	92.1	92.8	90.7	83.0	80.0	74.0	601	150	120	225	3.700
	715	250MC	85.00	92.1	92.8	90.1	80.0	76.0	66.0	582	145	115	220	4.280
55	2940	200L	92.60	93.3	93.3	92.9	86.6	85.5	80.0	540	160	120	200	0.627
	1470	225MC	99.50	93.3	93.3	92.4	82.4	79.1	70.6	593	180	150	210	1.862
	955	250MC	101.00	92.1	92.8	90.7	83.0	80.0	74.0	614	150	120	220	4.280
	715	280SC	104.00	92.1	92.8	90.1	80.0	76.0	66.0	596	145	115	215	7.470
75	2950	225MA	126.10	92.9	92.9	92.4	89.1	86.7	81.0	595	150	120	200	1.117
	1455	250SC	131.00	92.8	93.3	91.5	85.0	83.0	74.0	641	140	115	225	3.430
	960	280SC	134.00	92.8	93.3	91.5	84.0	82.0	76.0	627	145	115	220	7.330
	715	280MC	139.00	92.8	93.3	91.5	82.0	77.0	68.0	601	140	115	215	9.370
90	2940	250SA	155.00	92.1	92.8	90.7	88.0	85.0	79.0	655	130	110	230	1.490
	1455	250MC	159.00	92.8	93.3	91.5	87.0	84.0	80.0	638	140	115	225	4.050
	960	280MC	165.00	92.8	93.3	90.7	84.0	82.0	76.0	612	140	115	215	8.660
	720	315SC	167.00	92.8	93.3	90.7	83.0	79.0	68.0	605	130	110	210	19.100
110	2940	250MA	188.00	92.1	92.8	90.7	90.0	88.0	84.0	628	130	110	230	1.690
	1455	280SC	193.00	92.8	93.3	91.5	89.0	88.0	82.0	611	130	110	220	6.410
	965	315SC	195.00	92.8	93.3	90.7	86.0	83.0	77.0	603	140	115	215	13.300
	720	315MC	202.00	92.8	93.3	90.7	83.0	79.0	68.0	582	130	110	210	22.700
132	2940	280SA	222.00	92.8	93.3	92.5	90.0	88.0	84.0	635	180	150	220	2.480
	1455	280MC	226.00	93.3	93.9	92.1	88.0	86.0	82.0	624	130	110	220	7.430
	965	315MC	231.00	93.3	93.9	92.1	86.0	83.0	77.0	608	130	110	210	15.700
150	2945	280SA	250.00	92.8	93.3	91.5	90.0	89.0	86.0	656	220	190	250	2.700
	1460	280MC	256.00	93.3	93.9	92.1	88.0	86.0	83.0	641	125	110	210	7.150
	965	315MC	262.00	93.3	93.9	92.1	86.0	83.0	77.0	624	125	110	210	17.600
185	2945	280MA	304.00	93.3	93.9	92.1	91.0	90.0	87.0	655	220	190	250	3.200
	1460	315SB	311.00	93.9	94.4	92.8	89.0	87.0	83.0	640	125	110	210	10.000
220	2945	315SA	362.00	93.3	93.9	92.1	93.0	93.0	92.0	700	180	160	240	5.260
	1460	315MB	369.00	93.9	94.4	92.8	89.0	87.0	83.0	642	120	105	200	12.000
250	2945	315MA	411.00	93.3	93.9	92.1	91.0	90.0	87.0	655	115	105	200	6.140

- Note: 1. Test Method BS 4999.  
2. Tolerance: BS 4999.  
3. All data is subject to change without prior notification. Not to be used for installation purposes without referring to TEE.

# Open Advantage



**Teco Open Advantage Drip proof Squirrel-Cage Induction Motors are designed, manufactured and tested to meet or exceed latest BS and other international standards, suitable for all general applications, where the use of open machines is acceptable. Teco's unique design and versatile engineering background makes Teco Motors longer running and less costly.**

## RATINGS AND STANDARDS

### Electric Supply:

400 volt, 3-phase, 50Hz, and other voltages up to 690 can be made on request.

### Enclosure:

Open Ventilated Drip proof IP23 IC01 cooling method to BS4999.

### Time Rating:

Continuous rating S1 duty to BS EN 60034-1 : 1995.

### Ambient:

Standard motors are designed to operate in an ambient temperature of  $-10^{\circ}\text{C}$  to  $40^{\circ}\text{C}$  ( $104^{\circ}\text{F}$ ).

### Altitude:

Standard motors are designed for operation at an altitude not exceeding 1000 meters above sea level.

### Performance:

All standard motors are designed to meet BS Design performance requirements.

### Mounting:

Motors for direct coupling are available in the following arrangement

Foot – IM 1001, 1011, 1031, 1051, 1071.

Foot and flange – IM 2001.

To BS EN 60034-7 : 1993.

### Direction of Rotation:

All standard motors are suitable for operation in either direction of rotation.

## CONSTRUCTION

### Frames and Endshields:

Stator frames and endshields are cast out of high grade pig-iron for exceptional corrosion resistance and long motor life; precisely machined to close tolerance and jig drilled to ensure rigid alignment, minimum vibration and interchangeability of parts.

### Cooling System:

Internal fans draw cooling air into the motor through each end frame and exhausts out through openings in the stator frame.

### Bearings and Lubrication System:

Oversized bearings are made from vacuum degassed steels. Anti-friction double shielded, pre-packed with lithium base Multemp SRL are used on frames C160. Frames C180 to C315 have grease nipples and grease relief valves and are greased with Unirex Lithium N3 grease.

### Rotor Assembly:

Squirrel cage rotor bars are pressure die-cast of high conductivity aluminum and cast integrally with end rings and wafer fan blades. All rotor assemblies are dynamically balanced and the surface is treated with a corrosion-free coating. Shafts are of ANSI 1040 or 1045 steel.

### Stator, Windings and Insulation System:

Stator laminations are built of high-grade, insulated, cold-rolled electromagnetic steel for high efficiency.

Heavy coated, heat and moisture resistant polyester enameled copper wire is used for the stator winding.

A Class F, non-hygroscopic insulation system meeting and exceeding BS standards is employed in all motors. Stator and coils are dipped with moisture-free varnish and then baked.

### Terminal Box:

Rotatable in 90 degree increments oversized terminal boxes are made to exceed BS requirements. Boxes are gasketed between frame box and cover for better protection against dust. Boxes are of pressed steel. Cast iron boxes are available on request. An earth terminal is located in the terminal box.

### Nameplate :

Nameplates are made of corrosion-free stainless steel.

### Hardware:

All hardware is electric-zinc-plated for better corrosion resistance.

### Finish:

All inside exposed surfaces are cleaned and applied with a rust-proofing coating. The exterior is painted with a phenolic rustproof base followed by a lacquer finish.

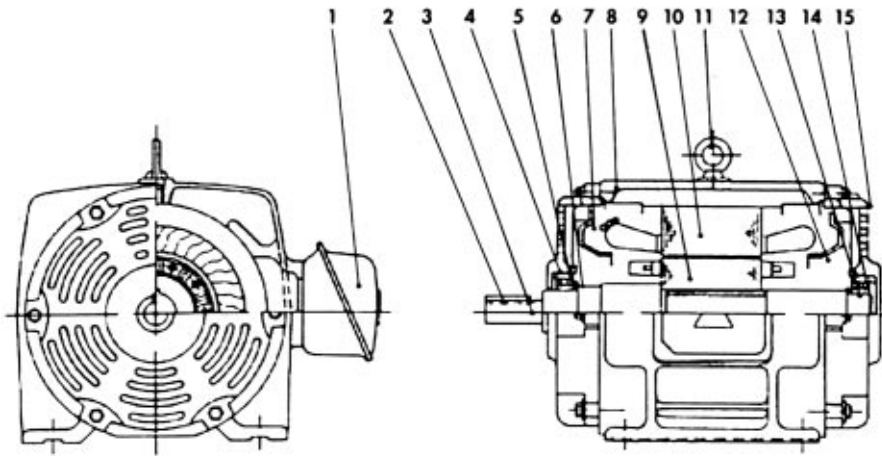
### Colour:

Blue-Gray (Munsell 7.5BG4/2).

### Test:

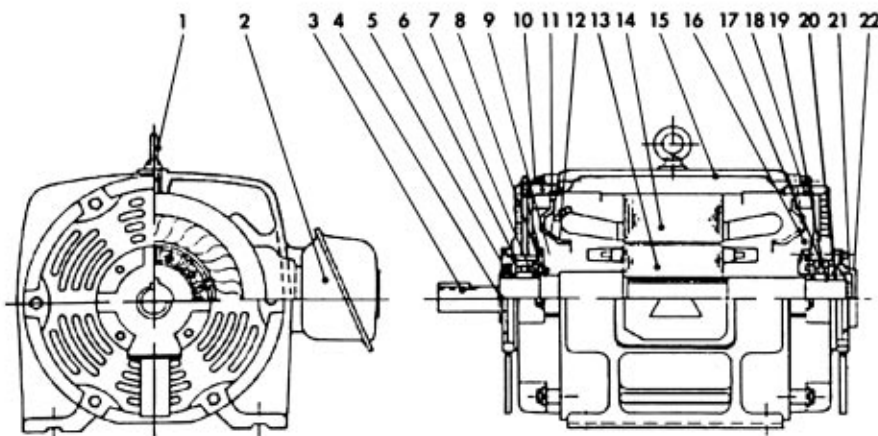
On-line routine tests and complete tests are made according to BS 4999.

## Up to C160 Frame



ITEM	NAME
1	Terminal Box
2	Key
3	Shaft
4	End Bracket
5	Bearing
6	Stop-ring bearing
7	Air guide
8	Frame
9	Rotor
10	Stator
11	Eye bolt
12	Air guide
13	Stop-ring bearing
14	Bearing
15	End bracket

## C180 Frame and above



ITEM	NAME
1	Eye bolt
2	Terminal box
3	Key
4	Shaft
5	Grease finger
6	Bearing cover-outer
7	Bearing
8	Stop-ring Bearing
9	Bearing cover-inner
10	Grease nipple
11	End bracket
12	Air guide
13	Rotor
14	Stator
15	Frame
16	Air Guide
17	Bearing-cover inner
18	End bracket
19	Stop ring-bearing
20	Bearing
21	Grease finger
22	Bearing cover-outer

### Ordering Information

- Application
- Motor type
- Voltage, frequency, output, number of poles
- Across-the-line or reduced-voltage start
- Direct drive, or V-belt drive (Sheave diameter, width and weight, type of V-belts)
- With or without slide rails or soleplates
- Type, size and diameter of power lead
- Indoor or outdoor use
- Environmental conditions (Ambient temperature, explosive or corrosive gas, if exists)
- Load inertia  $GD^2$
- Load characteristics



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