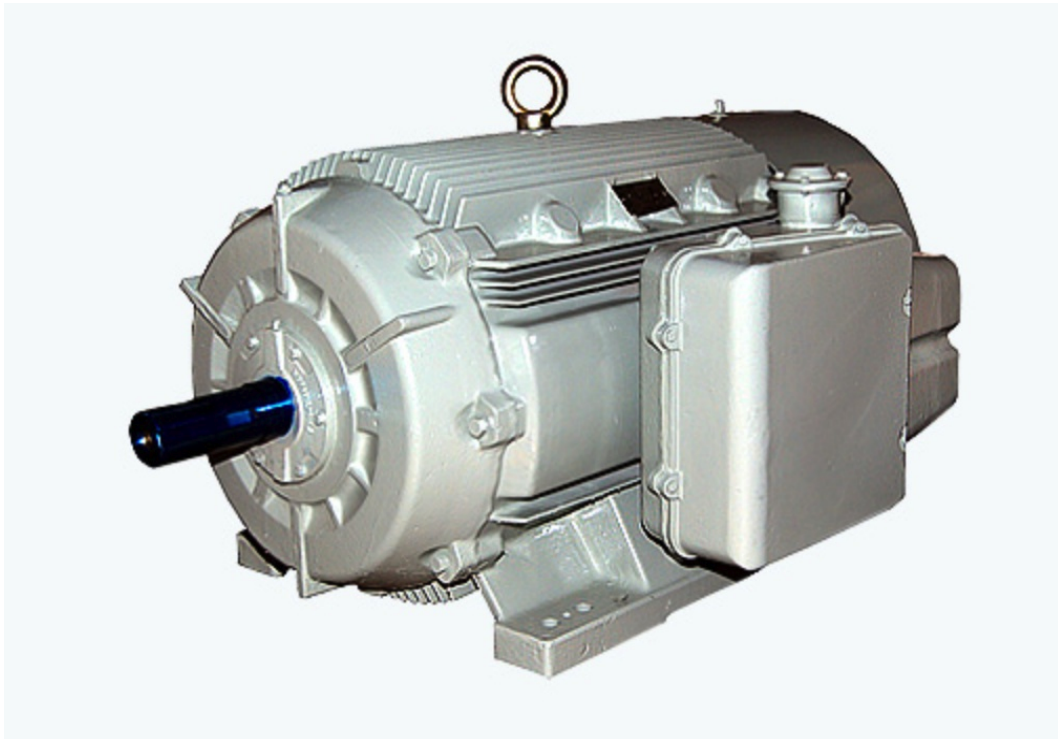




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PERFORMANCE FIGURES OF TEFC SCR MOTORS EFF LEVEL 2 FOR 50°/70°C

OUTPUT		P O L E	FRAME SIZE	FL RPM	FLC AMPS.	FLT Kg-m	EFFICIENCY (%)			POWER FACTOR			DOL STG.		POT % FLT	GD. ² KGM. ²	NET WT. KG
KW	HP						FL	3/4 LOAD	1/2 LOAD	FL	3/4 LOAD	1/2 LOAD	STG.T % FLT	STG.C % FLC			
0.18	0.25	2	SD63	2700	0.56	0.06	64.0	60.0	52.0	0.70	0.62	0.52	250	500	300	0.001	5.6
		4	SD63	1330	0.58	0.13	64.0	60.0	54.0	0.68	0.63	0.54	200	500	275	0.003	5.6
		6	SD71	900	0.64	0.19	60.0	55.0	48.0	0.65	0.55	0.45	170	400	225	0.004	7.0
0.25	0.33	2	SD63	2700	0.64	0.09	68.0	67.0	63.0	0.79	0.72	0.60	250	500	300	0.001	5.6
		4	SD71	1350	0.79	0.18	68.0	66.0	62.0	0.65	0.60	0.53	200	500	250	0.004	7.0
0.37	0.5	2	SD71	2820	1.00	0.13	70.5	66.0	60.0	0.73	0.70	0.63	275	500	300	0.002	7.0
		4	SD71	1400	1.20	0.26	68.0	66.0	62.0	0.63	0.58	0.51	200	500	275	0.004	7.0
0.55	0.75	2	SD71	2800	1.50	0.19	72.0	70.0	65.0	0.79	0.74	0.68	275	500	300	0.003	10
0.37	0.50	6	SD / ND80	910	1.13	0.40	65.0	63.0	59.0	0.70	0.63	0.50	200	400	250	0.011	17
		8	SD / ND90S	680	1.41	0.53	64.0	60.0	54.0	0.57	0.50	0.40	170	400	225	0.015	22
0.55	0.75	4	SD / ND80	1410	1.44	0.38	73.0	72.0	69.0	0.73	0.67	0.54	200	500	275	0.007	17
		6	SD / ND80	910	1.56	0.59	69.0	66.0	60.0	0.71	0.63	0.50	200	400	250	0.011	17
		8	SD / ND90L	680	1.79	0.79	68.0	65.0	60.0	0.63	0.54	0.40	150	400	225	0.021	22
0.75	1.00	2	SD / ND80	2820	1.72	0.26	75.0	73.0	68.0	0.81	0.73	0.60	250	600	300	0.003	17
		4	SD / ND80	1410	1.81	0.52	77.0	74.0	69.0	0.75	0.68	0.58	200	500	275	0.007	17
		6	SD / ND90S	935	1.99	0.78	73.0	71.0	65.0	0.72	0.65	0.55	200	500	250	0.015	22
		8	SD / ND100L	700	2.62	1.04	70.0	67.0	62.0	0.57	0.51	0.42	175	400	225	0.030	32
1.10	1.50	2	SD / ND80	2820	2.42	0.38	78.0	76.0	71.0	0.81	0.75	0.65	225	600	300	0.004	17
		4	SD / ND90S	1415	2.55	0.76	78.0	76.0	74.0	0.77	0.72	0.64	200	500	275	0.014	22
		6	SD / ND90L	935	2.80	1.15	76.0	73.0	67.0	0.72	0.66	0.54	200	500	250	0.021	25
		8	SD / ND100L	700	3.54	1.53	72.0	69.0	65.0	0.60	0.55	0.44	175	400	225	0.034	35
1.50	2.00	2	SD / ND90S	2830	3.18	0.52	80.0	79.0	77.0	0.82	0.77	0.70	250	600	300	0.006	22
		4	SD / ND90L	1415	3.30	1.03	80.0	79.0	77.0	0.79	0.75	0.68	200	550	275	0.019	25
		6	SD / ND100L	935	3.72	1.56	78.0	76.0	73.0	0.72	0.66	0.56	200	500	250	0.030	32
		8	SD / ND112M	700	4.04	2.09	76.0	74.0	71.0	0.68	0.60	0.48	190	400	225	0.057	45
2.20	3.00	2	SD / ND90L	2830	4.61	0.76	81.0	80.0	77.0	0.82	0.76	0.68	250	600	300	0.008	25
		4	SD / ND100L	1430	4.61	1.50	82.0	81.0	78.0	0.81	0.76	0.66	200	600	275	0.030	32
		6	SD / ND112M	935	5.10	2.29	80.0	79.0	75.0	0.75	0.68	0.58	200	500	250	0.048	45
		8	SD / ND132S	710	5.38	3.02	78.0	77.0	74.0	0.73	0.65	0.52	180	450	225	0.174	68
3.70	5.00	2	SD / ND100L	2840	7.25	1.27	84.5	83.5	82.0	0.84	0.80	0.74	250	600	300	0.022	36
		4	SD / ND112M	1430	7.39	2.52	85.0	85.0	83.0	0.82	0.77	0.68	200	600	275	0.052	45
		6	SD / ND132S	940	7.90	3.83	82.5	82.0	80.0	0.79	0.73	0.64	200	550	250	0.174	68
		8	SD / ND132M	710	8.59	5.08	81.0	80.0	78.0	0.74	0.67	0.56	180	450	225	0.214	79
5.50	7.50	2#	ND112M	2880	10.23	1.86	85.0	84.5	82.0	0.88	0.85	0.80	250	650	300	0.034	45
		2	SD / ND132S	2865	10.23	1.87	86.0	85.0	84.0	0.87	0.82	0.78	225	600	300	0.034	42
		4	SD / ND132S	1450	10.35	3.69	86.0	85.0	83.0	0.86	0.82	0.75	225	600	275	0.131	68
		6*	SD / ND132M	950	11.39	5.64	84.0	83.0	81.0	0.80	0.75	0.68	200	550	250	0.214	79
7.50	10.00	2	SD / ND132S	2880	13.55	2.54	87.5	87.0	86.0	0.88	0.85	0.80	250	650	300	0.062	68
		4	SD / ND132M	1455	13.79	5.02	87.0	86.0	84.0	0.87	0.84	0.76	225	600	275	0.161	79
9.30	12.50	2*	ND132M	2890	16.52	3.13	88.0	87.0	85.0	0.89	0.85	0.80	250	700	300	0.076	79.0
		4#	ND132M	1460	17.50	6.25	87.0	87.0	85.5	0.85	0.80	0.73	200	600	275	0.310	82.0

- NOTE :
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 - 2) ALL PERFORMANCE FIGURES ARE SUBJECT TO TOLERANCES AS PER IS 325 : 1996
 - * FOR 45 / 75 °C ONLY
 - ** 40/80 °C
 - # WITH CLASS F RISE (95°)

PERFORMANCE FIGURES OF TEFC SCR MOTORS FOR 50°/70°

OUTPUT		P O L E	FRAME SIZE	FL RPM	FLC AMPS.	FLT Kg-m	EFFICIENCY (%)			POWER FACTOR			DOL STG.		POT % FLT	GD. ² KGM. ²	NET WT. KG
kW	HP						FL	3/4 LOAD	1/2 LOAD	FL	3/4 LOAD	1/2 LOAD	STG.T % FLT	STG.C % FLC			
3.7	5.0	8	ND160M	710	8	5.08	83.0	83.0	81.0	0.74	0.70	0.62	150	500	225	0.46	120
5.5	7.5	6	ND160M	970	11	5.52	86.0	86.0	84.0	0.80	0.76	0.68	200	550	250	0.46	120
		8	ND160M	710	12	7.55	85.0	85.0	83.0	0.74	0.70	0.62	150	500	225	0.46	120
7.5	10.0	6	ND160M	970	15	7.53	87.5	87.0	85.0	0.80	0.76	0.68	175	500	225	0.46	120
		8	ND160L	710	16	10.29	85.0	85.0	83.0	0.76	0.72	0.64	150	500	225	0.64	146
9.3	12.5	2	ND160M	2920	17	3.10	88.0	87.0	85.0	0.88	0.86	0.78	250	600	300	0.13	125
		4	ND160M	1460	17	6.20	88.5	88.5	86.5	0.84	0.81	0.73	175	500	225	0.31	125
		6	ND160L	970	18	9.29	87.5	87.0	84.0	0.80	0.76	0.68	200	550	250	0.59	148
		8	ND180M	720	20	12.58	86.0	86.0	84.0	0.74	0.70	0.60	175	500	225	0.99	174
11	15	2	ND160M	2920	20	3.67	88.5	88.0	86.0	0.88	0.86	0.78	250	600	300	0.13	120
		4	ND160M	1460	21	7.34	89.0	89.0	86.0	0.82	0.79	0.70	200	500	250	0.36	120
		6	ND160L	975	22	10.99	88.0	87.5	86.0	0.80	0.76	0.68	200	550	250	0.64	146
		8	ND180L	720	24	14.88	87.0	87.0	85.0	0.74	0.70	0.60	175	500	225	1.16	205
15	20	2	ND160M	2920	26	5.00	89.5	89.5	87.5	0.88	0.86	0.79	250	650	300	0.17	120
		4*	ND160L	1460	27	10.01	90.0	90.0	88.0	0.85	0.83	0.75	200	500	250	0.47	146
		6	ND180L	975	29	14.98	90.0	90.0	88.0	0.79	0.73	0.66	250	600	300	1.16	205
		8	ND200L	725	33	20.15	88.5	88.5	86.5	0.71	0.65	0.55	225	500	275	2.14	270
18.5	25	2	ND160L	2920	32	6.17	90.0	90.0	88.0	0.88	0.86	0.79	250	650	300	0.21	146
		4	ND180M	1475	33	12.22	91.5	91.5	90.0	0.84	0.80	0.72	200	500	250	0.81	170
		6	ND200L	975	34	18.48	91.1	91.1	89.9	0.84	0.80	0.70	200	550	250	1.69	270
		8	ND225S	725	39	24.85	89.0	89.0	87.0	0.75	0.71	0.63	175	500	225	3.24	345
22	30	2	ND180M	2940	40	7.29	91.0	91.0	89.0	0.84	0.80	0.74	175	500	225	0.44	164
		4	ND180L	1475	40	14.53	92.0	92.0	90.0	0.84	0.80	0.72	200	500	250	0.95	205
		6	ND200L	975	40	21.98	91.5	91.5	90.1	0.84	0.80	0.70	200	500	250	2.04	270
		8	ND225M	725	46	29.56	89.0	89.0	87.0	0.75	0.71	0.63	175	500	225	3.61	375
30	40	2	ND200L	2950	52	9.91	91.5	91.0	89.0	0.87	0.84	0.80	200	600	250	0.80	270
		4	ND200L	1475	53	19.81	92.0	92.0	90.5	0.86	0.82	0.76	225	600	275	1.62	270
		6	ND225M	980	53	29.82	92.0	92.0	90.5	0.85	0.81	0.72	200	550	250	3.61	375
		8	ND250M	735	61	39.76	91.0	90.5	88.5	0.75	0.71	0.63	175	550	225	4.82	465
37	50	2	ND200L	2960	64	12.22	92.5	92.0	90.0	0.87	0.84	0.80	200	500	250	0.89	270
		4	ND225S	1475	63	24.43	92.5	92.5	91.6	0.89	0.86	0.78	200	600	250	2.64	345
		6	ND250M	980	66	36.77	93.0	93.0	92.0	0.84	0.80	0.72	225	600	275	4.82	465
		8	ND280S	735	75	49.03	91.5	91.5	89.5	0.75	0.71	0.63	200	500	250	8.01	600
45	60	2	ND225M	2955	72	14.83	92.5	92.0	90.0	0.94	0.92	0.88	225	650	275	1.87	375
		4	ND225M	1475	76	29.72	93.0	93.0	91.5	0.89	0.86	0.78	200	600	250	3.13	375
		6	ND280S	980	79	44.72	93.0	93.0	91.0	0.85	0.81	0.73	225	600	275	8.01	600
		8	ND280M	725	91	60.46	92.0	92.0	90.5	0.75	0.71	0.63	175	500	225	9.89	630
55	75	2	ND250M	2955	88	18.13	93.0	92.5	90.5	0.94	0.92	0.88	200	600	250	2.79	465
		4	ND250M	1475	92	36.32	93.5	93.5	92.0	0.89	0.86	0.82	200	600	250	3.45	465
		6	ND280M	980	95	54.66	93.5	93.5	92.0	0.86	0.82	0.74	200	650	250	9.89	630
		8	ND315S	740	113.0	72.39	93.0	93.0	91.5	0.73	0.66	0.56	200	550	250	14.1	900
75.0	100.0	2	ND280S	2970	124	24.55	93.6	93.5	92.0	0.90	0.86	0.78	200	600	250	7.14	600
		4	ND280S	1480	123	49.36	94.0	94.0	92.5	0.90	0.88	0.82	200	600	250	7.21	600
		6	ND315S	987	134.0	74.01	93.5	93.0	91.0	0.83	0.76	0.64	200	600	250	14.1	900
		8	ND315M	740	153.0	98.72	93.5	93.5	91.5	0.73	0.66	0.56	200	550	250	19.0	950

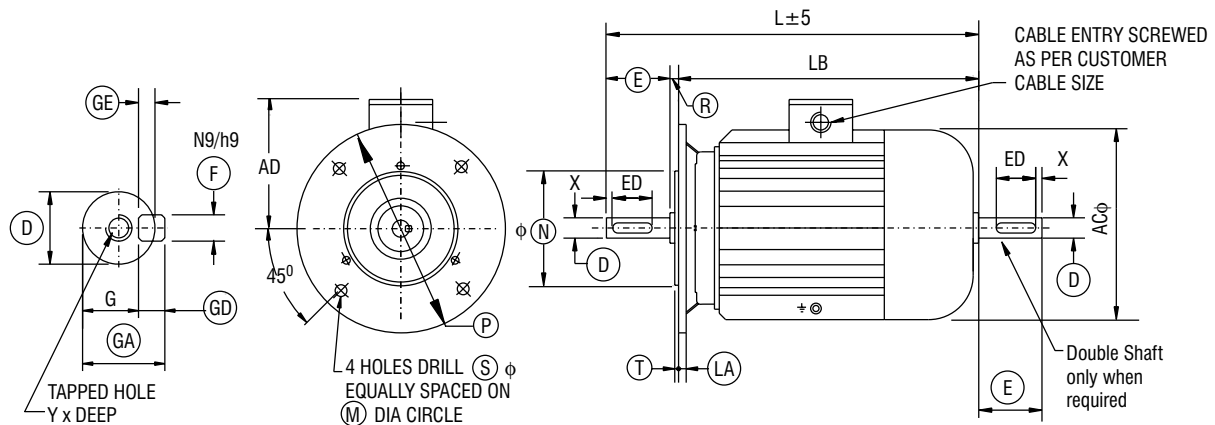
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 - * FOR 45 / 75 °C ONLY
 - ** 40/80 °C
 - # WITH CLASS F RISE (95°)

PERFORMANCE FIGURES OF TEFC SCR MOTORS FOR 50°/70°

OUTPUT		P O L E	FRAME SIZE	FL RPM	FLC AMPS.	FLT Kg-m	EFFICIENCY (%)			POWER FACTOR			DOL STG.		POT % FLT	GD. ² KGM. ²	NET WT. KG
KW	HP						FL	3/4 LOAD	1/2 LOAD	FL	3/4 LOAD	1/2 LOAD	STG.T % FLT	STG.C % FLC			
90	120	2	ND280M	2970	148	29.46	94.0	94.0	92.5	0.90	0.86	0.78	200	600	250	8.18	630
		4	ND280M	1480	147	59.21	94.5	94.5	92.5	0.90	0.88	0.82	225	600	275	8.26	630
		6	ND315M	987	156.0	88.79	94.2	94.2	92.5	0.85	0.80	0.70	200	600	250	17.0	950
		8	ND315L	740	180.0	118.43	94.0	94.0	92.0	0.74	0.70	0.60	150	500	225	25.3	1160
110	150	2	ND315S	2965	173.0	36.13	94.0	94.0	92.5	0.94	0.90	0.82	175	600	225	6.6	900
		4	ND315S	1485	176.0	72.13	94.5	94.5	92.0	0.92	0.88	0.80	225	600	275	11.6	900
		6	ND315M	987	188.0	108.52	94.5	94.5	93.0	0.86	0.82	0.74	200	600	250	19.0	950
		8	ND315LX	740	220.0	144.75	94.0	94.0	92.0	0.74	0.70	0.60	150	500	225	29.9	1160
132	180	2	ND315M	2965	207.0	43.35	94.5	94.5	92.5	0.94	0.90	0.82	175	600	225	8.0	950
		4	ND315M	1490	225.0	86.26	95.0	95.0	93.5	0.86	0.82	0.74	225	600	275	14.0	950
		6	ND315L	990	225.0	129.83	95.0	94.5	93.0	0.86	0.82	0.74	200	600	250	25.3	1160
		8	ND315LX	740	263.0	173.70	94.5	94.5	92.5	0.74	0.70	0.60	150	500	225	31.8	1160
150	200	4**	ND315M	1489	255	98.03	95.0	94.0	92.5	0.86	0.82	0.74	160	600	225	15.61	950
160	215	2	ND315LX	2975	249.0	52.37	95.0	94.5	92.5	0.94	0.92	0.90	175	600	225	12.4	1130
		4	ND315LX	1488	260.0	104.70	95.3	95.3	94.0	0.90	0.86	0.78	175	600	225	19.0	1160
		6	ND315LX	990	272.0	157.37	95.0	94.5	93.0	0.86	0.82	0.74	200	600	225	29.9	1160
		8	ND355LX	740	317.0	210.54	95.0	94.0	92.0	0.74	0.70	0.60	150	500	225	36.8	2140
180	240	2	ND315L	2975	280	58.92	95.0	94.5	92.5	0.94	0.92	0.88	225	650	275	13.90	1160
		4	ND315L	1488	292	117.79	95.3	94.8	93.8	0.90	0.88	0.84	175	600	225	21.10	1160
		6	ND355L	990	306	177.05	95.1	95.1	93.5	0.86	0.82	0.76	200	600	250	33.16	2150
		8	ND355LX	742	340	236.22	94.5	94.5	92.0	0.78	0.74	0.66	125	400	225	58.10	2100
200	270	2	ND315LX	2970	310	65.46	95.5	94.5	93.0	0.94	0.92	0.88	175	600	225	16.40	1160
		4	ND315LX	1488	324	130.88	95.5	95.2	94.0	0.90	0.88	0.84	175	600	225	25.00	1160
		6	ND355LX	990	349	196.72	95.0	95.0	93.5	0.84	0.81	0.72	130	500	225	29.70	2150
		8	ND355LX	742	377.0	262.47	94.5	94.5	92.5	0.78	0.74	0.66	125	400	225	58.1	2150
225	300	2**	ND355L	2970	349	73.79	95.5	94.8	93.3	0.94	0.92	0.88	225	600	275	18.40	2150
		4**	ND355L	1489	360	147.24	95.5	94.8	93.4	0.91	0.89	0.85	175	600	225	26.70	2150
		6	ND355LX	991	390	221.31	95.5	95.0	94.0	0.84	0.80	0.70	130	500	225	31.70	2150
		8**	ND355LX	742	423.0	295.28	94.8	94.5	92.5	0.78	0.74	0.66	125	400	225	58.1	2150
250	335	2	ND355LX	2970	387	81.97	95.5	94.8	93.3	0.94	0.92	0.88	150	650	225	27.70	2150
		4	ND355LX	1488	395	163.93	95.7	95.2	93.8	0.92	0.88	0.84	150	600	225	29.60	2150
		6	ND355LX	990	434	245.90	95.5	95.0	94.0	0.84	0.80	0.70	130	500	225	35.60	2150
		8	ND400LX	744	458	327.20	95.0	94.4	92.5	0.80	0.77	0.70	120	400	225	81.80	3200
275	370	2	ND355LX	2980	435	91.49	95.5	94.8	93.3	0.92	0.90	0.86	150	600	225	27.37	2150
		4	ND355LX	1490	440	183.60	95.5	95.0	93.3	0.91	0.88	0.81	140	650	225	31.56	2150
		6	ND355LX	990	477	275.41	95.5	95.0	94.0	0.84	0.80	0.74	160	500	225	39.52	2150
		8	ND400LX	744	503	367.05	95.0	94.4	93.4	0.80	0.77	0.69	120	400	225	81.80	3200
315	425	2	ND355LX	2980	499	102.93	95.5	94.8	92.5	0.92	0.90	0.86	175	600	225	29.60	2150
		4	ND355LX	1490	502	205.86	96.0	95.1	93.6	0.91	0.88	0.82	140	650	225	35.50	2150
		6	ND355LX	995	532	308.58	95.8	95.4	94.0	0.86	0.82	0.77	150	500	225	42.40	2150
		8*	ND400LX	744	588	412.28	95.5	95.0	94.0	0.78	0.75	0.66	120	400	225	97.60	3200
335	452	2**	ND355LX	2980	530	109.49	95.5	94.8	92.5	0.92	0.90	0.88	175	600	225	29.79	2150
		4	ND355LX	1493	534	218.55	96.0	95.4	93.8	0.91	0.88	0.82	150	600	200	38.06	2150
360	483	4	ND355LX	1492	567	235.01	96.0	95.6	94.0	0.92	0.90	0.88	150	600	225	38.06	2150
		6	ND400LX	995	609	352.40	95.6	94.6	93.1	0.86	0.82	0.72	140	550	225	81.80	3200

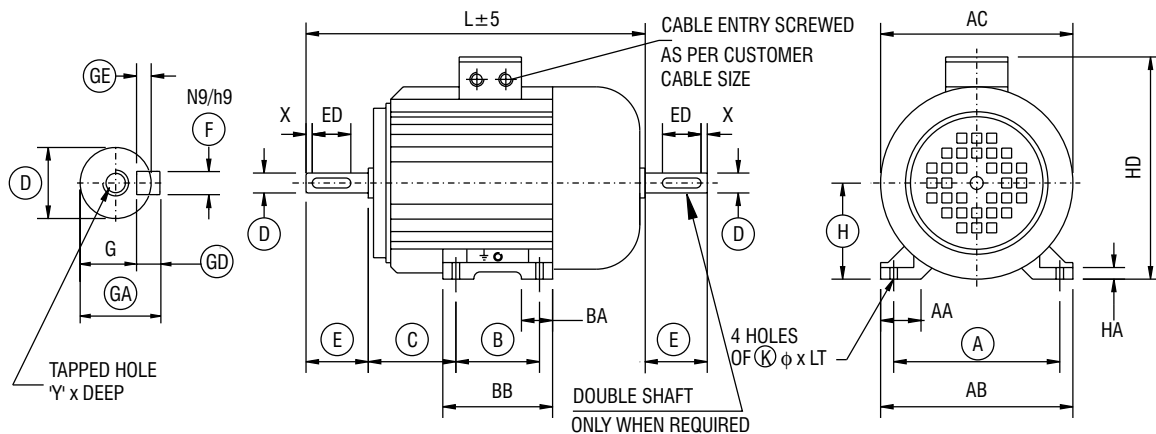
NOTE : 1) EFFICIENCY FIGURES ARE AS PER EFF2 CLASS OF IS 12615-2004
 2) ALL PERFORMANCE FIGURES ARE SUBJECT TO TOLERANCES AS PER IS 325 : 1996
 * FOR 45 / 75 °C ONLY
 ** 40/80 °C
 # WITH CLASS F RISE (95°)
Frame 450 under development. Refer enquiries to Division

OUTLINE DIMENSIONS OF AC SCR TEFC FLANGE MOUNTED ALUMINIUM BODY METRIC MOTORS



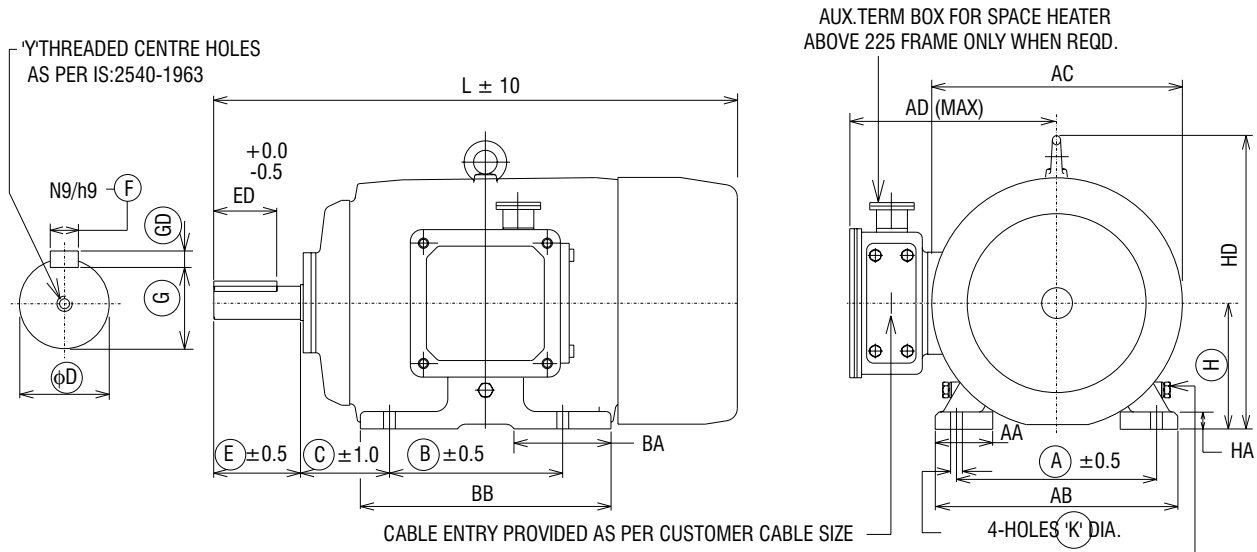
FRAME	FLANGE FIXING							SHAFT AND KEY									YxDEEP	OVERALL (MAX)			
	M	N	P	R	S	T	LA	D	E	ED	F	G	GA	GD	GE	X		AC	L	LB	AD
SD63	115	95	140	0	10	3	9	11	23	18	4	8.5	12.5	4	2.5	2.5	M4x10	125	220	197	100
SD71	130	110	160	0	10	3.5	9	14	30	25	5	11	16	5	3	2.5	M5x12.5	145	250	220	100
SD80	165	130	200	0	12	3.5	10	19	40	27	6	15.5	21.5	6	3.5	-	M6x16	165	285	245	120
SD90S	165	130	200	0	12	3.5	10	24	50	36	8	20	27	7	4	-	M8x19	180	310	260	140
SD90L																		335	285		
SD100L	215	180	250	0	15	4	11	28	60	44	8	24	31	7	4	-	M10x22	200	360	300	150
SD112M																		222	380	320	158
SD132S	265	230	300	0	15	4	10	19	40	27	6	15.5	21.5	6	3.5	-	M6x16	165	285	245	120
SD132M	165	130	200	0	15	4	10	19	40	27	6	15.5	21.5	6	3.5	-	M6x16	165	285	245	120

OUTLINE DIMENSIONS OF AC SCR TEFC FOOT MOUNTED ALUMINIUM BODY METRIC MOTORS



FRAME	FOOT FIXING											SHAFT AND KEY									YxDEEP	OVERALL (MAX)		
	A	B	C	H	AA	AB	BA	BB	HA	K	LT	D	E	ED	F	G	GA	GD	GE	X		AC	L	HD
SD63	100	80	40	63	25.5	122	30	96	9	7	-	11	23	18	4	8.5	12.5	4	2.5	2.5	M4 x 10	125	210	160
SD71	112	90	45	71	30	136	30	110	9	7	-	14	30	25	5	11	16	5	3	2.5	M5x12.5	145	250	170
SD80	125	100	50	80	28	152	35	125	11	10	14	19	40	27	6	15.5	21.5	6	3.5	-	M6x16	165	285	200
SD90S	140	100	56	90	40	170	30	126	13	10	15	24	50	36	8	20	27	7	4	-	M8x19	180	310	226
SD90L		125						151															335	
SD100L	160	140	63	100	48	192	35	170	13	12	16	28	60	44	8	24	31	7	4	-	M10x22	200	360	245
SD112M	190	140	70	112	50	222	35	170	13	12	16	28	60	44	8	24	31	7	4	-	M10x22	222	380	270
SD132S	216	140	89	132	52	252	55	178	13	12	16	38	80	60	10	33	41	8	5	-	M12x28	260	475	310
SD132M		178						216																

OUTLINE DIMENSION DRAWING FOR 3 PHASE SQUIRREL CAGE TEFC FOOT MOUNTED INDUCTION MOTORS (4 POLE & UP ALL FRAMES & 2 POLE & UP, UPTO ND200L FRAME)

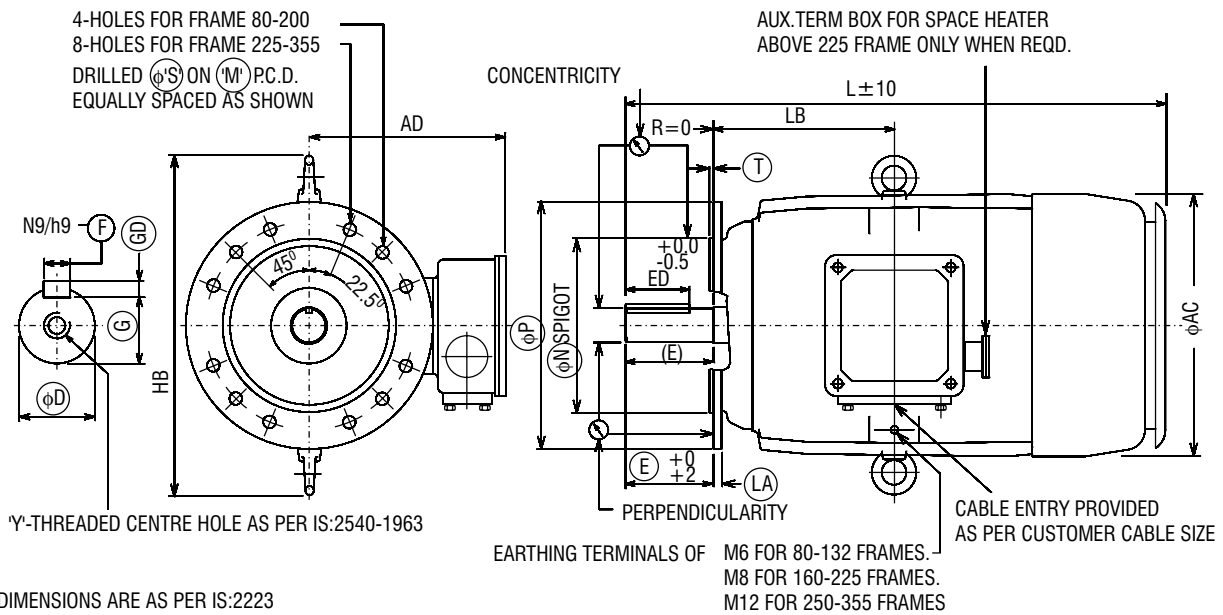


RINGED DIMENSIONS ARE AS PER IS:1231
ALL DIMENSIONS ARE IN mm

EARTHING TERMINALS OF M6 FOR 80-132 FRAMES.
M8 FOR 160-225 FRAMES.
M12 FOR 250-355 FRAMES

Frame	A	B	C	H	AA	AB	BA	BB	K	D	E	ED	F	GD	G	Y	AD	AC	L	HD	HA
ND80	125	100	50	80.0 / 79.7	35	152	45	124	10.0 / 10.5	19.009 / 18.996	40	27	6.00 / 5.97	6.00 / 5.91	15.5 / 15.3	M6X16	134	170	285	165	11
ND90S	140	100	56	90.0 / 89.7	35	168	40	127	10.0 / 10.5	24.009 / 23.996	50	36	8.00 / 7.964	7.00 / 6.91	20.0 / 19.8	M8X19	150	195	310	185	13
ND90L	140	125	56	90.0 / 89.7	35	168	52	152	10.0 / 10.5	24.009 / 23.996	50	36	8.00 / 7.964	7.00 / 6.91	20.0 / 19.8	M8X19	150	195	335	185	13
ND100L	160	140	63	100.0 / 99.7	36	192	45	170	12.0 / 12.5	28.009 / 27.996	60	44	8.00 / 7.957	7.0 / 6.91	24.0 / 23.8	M10X22	160	215	380	250	13
ND112M	190	140	70	112.0 / 111.7	36	222	60	170	12.0 / 12.5	28.009 / 27.996	60	44	8.00 / 7.957	7.0 / 6.91	24.0 / 23.8	M10X22	170	235	405	275	13
ND132S	216	140	89	132.0 / 131.7	48	254	54	178	12.0 / 12.5	38.018 / 38.002	80	60	10.0 / 9.957	8.0 / 7.91	33.0 / 32.8	M12X28	190	275	470	320	16
ND132M	216	178	89	132.0 / 131.7	48	254	54	216	12.0 / 12.5	38.018 / 38.002	80	60	10.0 / 9.957	8.0 / 7.91	33.0 / 32.8	M12X28	190	275	510	320	16
ND160M	254	210	108	160.0 / 159.5	73	308	76	254	15.5 / 15.0	42.018 / 42.002	110	80	12.00 / 11.957	8.00 / 7.91	37.0 / 36.8	M16X32	325	318	605	376	22
ND160L	254	254	108	160.0 / 159.5	73	308	101	298	15.5 / 15.0	42.018 / 42.002	110	80	12.00 / 11.957	8.00 / 7.91	37.0 / 36.8	M16X32	325	318	650	376	22
ND180M	279	241	121	180 / 179.5	84	348	85	286	15.5 / 15.0	48.018 / 48.002	110	80	14.00 / 13.957	9.00 / 8.91	42.5 / 42.3	M16X32	345	352	677	418	22
ND180L	279	279	121	180 / 179.5	84	348	106	323	15.5 / 15.0	48.018 / 48.002	110	80	14.00 / 13.957	9.00 / 8.91	42.5 / 42.3	M16X32	345	352	715	418	22
ND200L	318	305	133	200.0 / 199.5	66	381	115	356	19.5 / 19.0	55.030 / 55.011	110	80	16.00 / 15.957	10.00 / 9.91	49.0 / 48.8	M20X40	430	428	790	480	25
ND225S	356	286	149	225.0 / 224.5	70	425	102	340	19.5 / 19.0	60.030 / 60.011	140	110	18.00 / 17.957	11.00 / 10.91	53.0 / 52.8	M20X40	455	470	840	534	25
ND225M	356	311	149	225.0 / 224.5	70	425	102	375	19.5 / 19.0	60.030 / 60.011	140	110	18.00 / 17.957	11.00 / 10.91	53.0 / 52.8	M20X40	455	470	865	534	25
ND250S	406	311	168	250.0 / 249.5	80	483	140	419	24.5 / 24.0	65.030 / 65.011	140	110	18.00 / 17.957	11.00 / 10.91	58.0 / 57.8	M20X40	485	500	940	598	32
ND250M	406	349	168	250.0 / 249.5	80	483	140	419	24.5 / 24.0	65.030 / 65.011	140	110	18.00 / 17.957	11.00 / 10.91	58.0 / 57.8	M20X40	485	500	940	598	32
ND280S	457	368	190	280.0 / 279.0	100	538	137	440	24.5 / 24.0	75.030 / 75.011	140	110	20.00 / 19.948	12.00 / 11.91	67.5 / 67.3	M20X40	530	536	1035	642	35
ND280M	457	419	190	280.0 / 279.0	100	538	162	487	24.5 / 24.0	75.030 / 75.011	140	110	20.00 / 19.948	12.00 / 11.91	67.5 / 67.3	M20X40	530	536	1085	642	35
ND315S	508	406	216	315.0 / 314.0	110	597	138	485	28.5 / 28.0	80.030 / 80.011	170	140	22.00 / 21.948	14.00 / 13.91	71.0 / 70.8	M20X40	530	590	1180	725	35
ND315M	508	457	216	315.0 / 314.0	110	597	164	533	28.5 / 28.0	80.030 / 80.011	170	140	22.00 / 21.948	14.00 / 13.91	71.0 / 70.8	M20X40	530	590	1230	725	35
ND315L	508	508	216	315.0 / 314.0	110	610	204	655	28.5 / 28.0	90.035 / 90.013	170	140	25.00 / 24.948	14.00 / 13.91	81.0 / 80.8	M24X50	570	655	1295	755	38
ND315LX	508	508	216	315.0 / 314.0	110	610	235	740	28.5 / 28.0	90.035 / 90.013	170	140	25.00 / 24.948	14.00 / 13.91	81.0 / 80.8	M24X50	570	655	1390	755	38
ND355S	610	510	254	355.0 / 354.0	110	710	253	745	28.5 / 28.0	100.035 / 100.013	210	160	28.00 / 27.948	16.00 / 15.89	90.0 / 89.8	M24X50	560	672	1513	780	40
ND355M	610	560	254	355.0 / 354.0	110	710	253	745	28.5 / 28.0	100.035 / 100.013	210	160	28.00 / 27.948	16.00 / 15.89	90.0 / 89.8	M24X50	560	672	1513	780	40
ND355L	610	630	254	355.0 / 354.0	110	710	253	745	28.5 / 28.0	100.035 / 100.013	210	160	28.00 / 27.948	16.00 / 15.89	90.0 / 89.8	M24X50	560	672	1513	780	40

OUTLINE DIMENSION DRAWING FOR 3 PHASE SQUIRREL CAGE TEFC FLANGE MOUNTED INDUCTION MOTORS (4 POLE & UP ALL FRAMES & 2 POLE & UP, UPTO ND200L FRAME)



RINGED DIMENSIONS ARE AS PER IS:2223
ALL DIMENSIONS ARE IN mm

Frame	D	E	ED	F	GD	G	Y	AD	AC	L	MTol	NTol	P	S	T	LA	LB	HB
ND80	19.009 / 18.996	40	27	6.00 / 5.97	6.00 / 5.91	15.5 / 15.3	M6X16	134	170	325	165.3 / 164.7	130.014 / 129.989	200	12	3.5	10	100	260
ND90S	24.009 / 23.996	50	36	8.00 / 7.964	7.00 / 6.91	20.0 / 19.8	M8X19	150	195	375	165.3 / 164.7	130.014 / 129.989	200	12	3.5	10	122	280
ND90L	24.009 / 23.996	50	36	8.00 / 7.964	7.00 / 6.91	20.0 / 19.8	M8X19	150	195	400	165.3 / 164.7	130.014 / 129.989	200	12	3.5	10	137	280
ND100L	28.009 / 27.996	60	44	8.00 / 7.957	7.0 / 6.91	24.0 / 23.8	M10X22	160	215	440	215.3 / 214.7	180.016 / 179.987	250	15	4	11	137	300
ND112M	28.009 / 27.996	60	44	8.00 / 7.957	7.0 / 6.91	24.0 / 23.8	M10X22	170	235	465	215.3 / 214.7	180.016 / 179.987	250	15	4	11	140	320
ND132S	38.018 / 38.002	80	60	10.0 / 9.957	8.0 / 7.91	33.0 / 32.8	M12X28	190	275	542	265.3 / 264.7	230.016 / 229.987	300	15	4	14	158	380
ND132M	38.018 / 38.002	80	60	10.0 / 9.957	8.0 / 7.91	33.0 / 32.8	M12X28	190	275	580	265.3 / 264.7	230.016 / 229.987	300	15	4	14	177	380
ND160M	42.018 / 42.002	110	80	12.00 / 11.957	8.00 / 7.91	37.0 / 36.8	M16X32	325	318	660	300.5 / 299.5	250.016 / 249.987	350	19	5	18	213	421
ND160L	42.018 / 42.002	110	80	12.00 / 11.957	8.00 / 7.91	37.0 / 36.8	M16X32	325	318	705	300.5 / 299.5	250.016 / 249.987	350	19	5	18	235	421
ND180M	48.018 / 48.002	110	80	14.00 / 13.957	9.00 / 8.91	42.5 / 42.3	M16X32	345	352	750	300.5 / 299.5	250.016 / 249.987	350	19	5	18	242	478
ND180L	48.018 / 48.002	110	80	14.00 / 13.957	9.00 / 8.91	42.5 / 42.3	M16X32	345	352	790	300.5 / 299.5	250.016 / 249.987	350	19	5	18	260	478
ND200L	55.030 / 55.011	110	80	16.00 / 15.957	10.00 / 9.91	49.0 / 48.8	M20X40	430	428	830	350.5 / 349.5	300.018 / 299.982	400	19	5	18	285	557
ND225S	60.030 / 60.011	140	110	18.00 / 17.957	11.00 / 10.91	53.0 / 52.8	M20X40	455	470	895	400.5 / 399.5	350.018 / 349.982	450	19	5	19	305	618
ND225M	60.030 / 60.011	140	110	18.00 / 17.957	11.00 / 10.91	53.0 / 52.8	M20X40	455	470	895	400.5 / 399.5	350.018 / 349.982	450	19	5	19	305	618
ND250S	65.030 / 65.011	140	110	18.00 / 17.957	11.00 / 10.91	58.0 / 57.8	M20X40	485	500	1020	500.5 / 499.5	450.020 / 449.980	550	19	5	22	342	688
ND250M	60.030 / 60.011	140	110	18.00 / 17.957	11.00 / 10.91	58.0 / 57.8	M20X40	485	500	1020	500.5 / 499.5	450.020 / 449.980	550	19	5	22	342	688
ND280S	75.030 / 75.011	140	110	20.00 / 19.948	12.00 / 11.91	67.5 / 67.3	M20X40	530	536	1170	500.5 / 499.5	450.020 / 449.980	550	19	5	22	400	722
ND280M	75.030 / 75.011	140	110	20.00 / 19.948	12.00 / 11.91	67.5 / 67.3	M20X40	530	536	1170	500.5 / 499.5	450.020 / 449.980	550	19	5	22	400	722
ND315S	80.030 / 80.011	170	140	22.00 / 21.948	14.00 / 13.91	71.0 / 70.8	M20X40	530	590	1325	601.0 / 599.0	550.022 / 549.978	660	24	6	25	445	812
ND315M	80.030 / 80.011	170	140	22.00 / 21.948	14.00 / 13.91	71.0 / 70.8	M20X40	530	590	1325	601.0 / 599.0	550.022 / 549.978	660	24	6	25	445	812
ND315L	90.035 / 90.013	170	140	25.00 / 24.948	14.00 / 13.91	81.0 / 80.8	M24X50	570	655	1495	601.0 / 599.0	550.022 / 549.978	660	24	6	25	531	880
ND315LX	90.035 / 90.013	170	140	25.00 / 24.948	14.00 / 13.91	81.0 / 80.8	M24X50	570	655	1495	601.0 / 599.0	550.022 / 549.978	660	24	6	25	531	880
ND355S	100.035 / 100.013	210	160	28.00 / 27.948	16.00 / 15.89	90.0 / 89.8	M24X50	570	672	1650	741.0 / 739.0	680.025 / 679.975	800	24	6	28	570	900
ND355M	100.035 / 100.013	210	160	28.00 / 27.948	16.00 / 15.89	90.0 / 89.8	M24X50	570	672	1650	741.0 / 739.0	680.025 / 679.975	800	24	6	28	570	900
ND355L	100.035 / 100.013	210	160	28.00 / 27.948	16.00 / 15.89	90.0 / 89.8	M24X50	570	672	1650	741.0 / 739.0	680.025 / 679.975	800	24	6	28	570	900