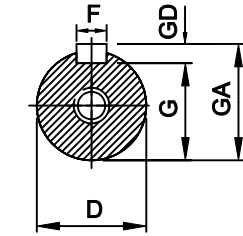
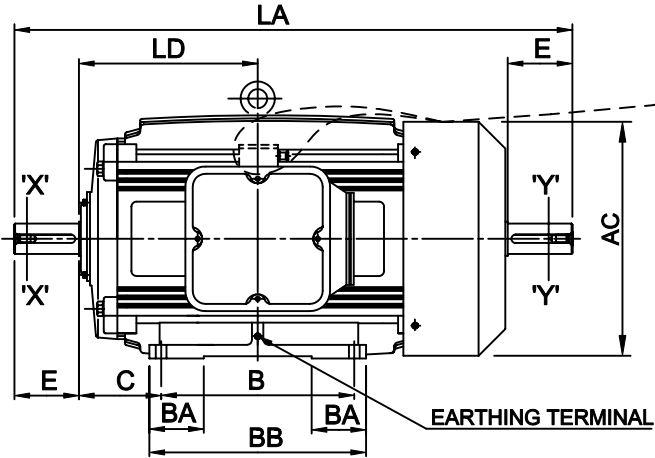
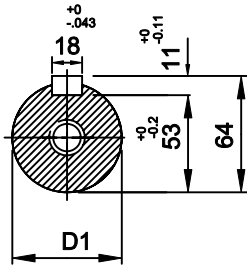


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AUX. TERMINAL BOX
FOR SPACE HEATER
WITH D/COMPRESSION
CABLE GLAND SIZE-1X2CX2.5mm²
IS OPTIONAL-WILL BE PROVIDED
WHEN SPACE HEATER IS CALLED FOR

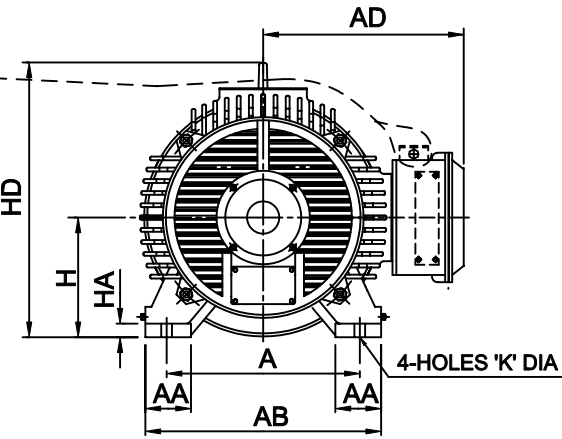


SECTION ON 'X'-'X'



SECTION ON 'Y'-'Y'

D1 = D FOR PART. NO. 1 - 10
D1 = 60 FOR PART. NO. 11



11	12-D250M	4-8	250	+0 -0.5	65	+0.030 +0.011	140	64	18	+0 -0.043	11	+0 -0.11	58	+0 -0.2	406	349	168	24	508	108	420	100	42	540	459	425	342.5	1067	T 20	1X3CX150mm ² / 2x3CX95mm ²
10	12-D250M	2	250	+0 -0.5	60	+0.030 +0.011	140	64	18	+0 -0.043	11	+0 -0.11	53	+0 -0.2	406	349	168	24	508	108	420	100	42	540	459	425	342.5	1067	T 20	1X3CX150mm ² / 2x3CX95mm ²
9	12-D225M	4-8	225	+0 -0.5	60	+0.030 +0.011	140	64	18	+0 -0.043	11	+0 -0.11	53	+0 -0.2	356	311	149	19	444	88	375	95	40	517	459	425	304.5	1000	T 20	1X3CX70mm ² / 2x3CX50mm ²
8	12-D225M	2	225	+0 -0.5	55	+0.030 +0.011	110	59	16	+0 -0.043	10	+0 -0.090	49	+0 -0.2	356	311	149	19	444	88	375	95	40	517	459	425	304.5	940	T 20	1X3CX70mm ² / 2x3CX50mm ²
7	12-D225S	4-8	225	+0 -0.5	60	+0.030 +0.011	140	64	18	+0 -0.043	11	+0 -0.11	53	+0 -0.2	356	286	149	19	444	88	375	95	35	485	390	395	304.5	994	T 20	1X3CX70mm ² / 2x3CX50mm ²
6	12-D225S	2	225	+0 -0.5	55	+0.030 +0.011	110	59	16	+0 -0.043	10	+0 -0.090	49	+0 -0.2	356	286	149	19	444	88	375	95	35	485	390	395	304.5	934	T 20	1X3CX70mm ² / 2x3CX50mm ²
5	12-D200L	2-8	200	+0 -0.5	55	+0.030 +0.011	110	59	16	+0 -0.043	10	+0 -0.090	49	+0 -0.2	318	305	133	19	390	80	356	88	35	460	390	395	285.5	916	T 20	1X3CX70mm ² / 2x3CX50mm ²
4	12-D180L	2-8	180	+0 -0.5	48	+0.018 +0.002	110	51.5	14	+0 -0.043	9	+0 -0.090	42.5	+0 -0.2	279	279	121	15	344	65	330	90	25	422	345	315	260.5	850	T 16	1X3CX50mm ²
3	12-D180M	2-8	180	+0 -0.5	48	+0.018 +0.002	110	51.5	14	+0 -0.043	9	+0 -0.090	42.5	+0 -0.2	279	241	121	15	344	65	330	90	25	422	345	315	260.5	850	T 16	1X3CX50mm ²
2	12-D160L	2-8	160	+0 -0.5	42	+0.018 +0.002	110	45	12	+0 -0.043	8	+0 -0.090	37	+0 -0.2	254	254	108	15	300	60	300	100	20	381	316	300	235	770	T 16	1X3CX50mm ²
1	12-D160M	2-8	160	+0 -0.5	42	+0.018 +0.002	110	45	12	+0 -0.043	8	+0 -0.090	37	+0 -0.2	254	210	108	15	300	60	300	100	20	381	316	300	235	770	T 16	1X3CX50mm ²
PART NO.	FRAME SIZE	NO.OF POLE	NOM	TOL	NOM	TOL	E SHAFT EXTN.	GA	NOM	TOL	NOM	TOL	NOM	TOL	A	B	C	K	AB	AA	BB	BA	HA	HD	AC	AD	LD	LA	TAPPED CENTER HOLE AT SHAFT END (AS PER IS: 2540)	MAX. CABLE SIZE
			H CENTRE HEIGHT		D SHAFT DIA				F		GD		G		FIXING DIMENSIONS															

08	24.08.09	HA' DIMENSION FOR D160M & L CHANGED TO '20' mm. WAS '25' mm.		
07	08.09.08	AUX.T/BOX FOR SP. HEATER ADDED		
06	14.12.07	COMPANY NAME AND LOGO CHANGED		
05	07.03.07	PT. NO. 10, 11 ADDED & DIM. 'L', 'CA' DELETED DIM. 'LD' & T/BOX OPENING CHANGED		
04	30.03.03	FOR PART 8,9 'AD' DIMENSION CHANGED FROM 410 TO 425 & FOR PART 5,6,7 380 CHANGED TO 395		
03	22.10.02	'HA' DIMENSION CHANGED		
02	12.07.2000	160 M&L FRAME 'AD' DIMENSIONS CHANGED 300 WAS 285		
01	23.09.99	THREADED CENTRE HOLE ADDED.	BB	BN
REV.	DATE	DETAIL OF REVISION	DONE BY	APPRVD

NOTE:
1.0 ALL DIMENSIONS ARE IN mm EXCEPT OTHERWISE SPECIFIED.
2.0 FOR TOLERANCES OF DEMENSIONS(NOT MENTIONED) REFER TO IS:2102.
3.0 DIMENSIONS MARKED * ARE MAXIMUM VALUES.



Marathon Electric Motors (India) Limited
Paharpur Works, 58 Taratala Road.
Kolkata - 700024 , INDIA

TITLE		OUTLINE DIMENSIONAL DRAWING FOR D160 TO D250 TEFC-SC DOUBLE CYLINDRICAL MOTOR (CHALLENGER SERIS) AS PER IS:1231										DRAWING NO.		REV.
DRAWN	S.BHOWMICK		25.06.01									CM2013		08
CHECKED	S.BHOWMICK													
APPRVD.	R.RANJAN										SCALE IF ANY			
			SIGN	DATE							N.T.S			