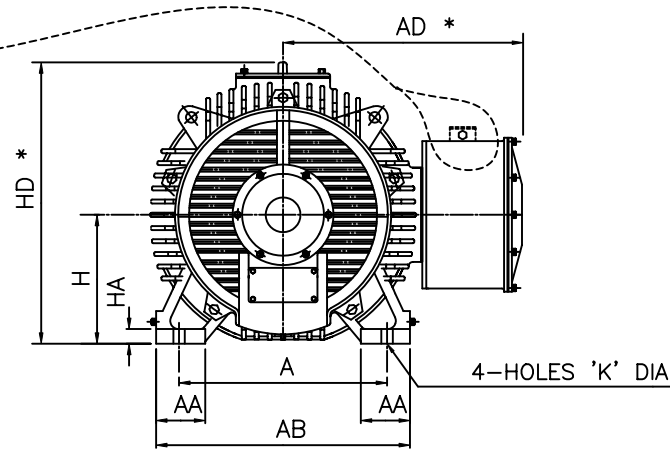
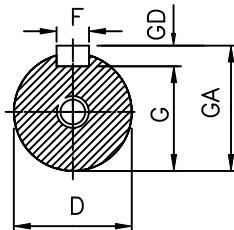
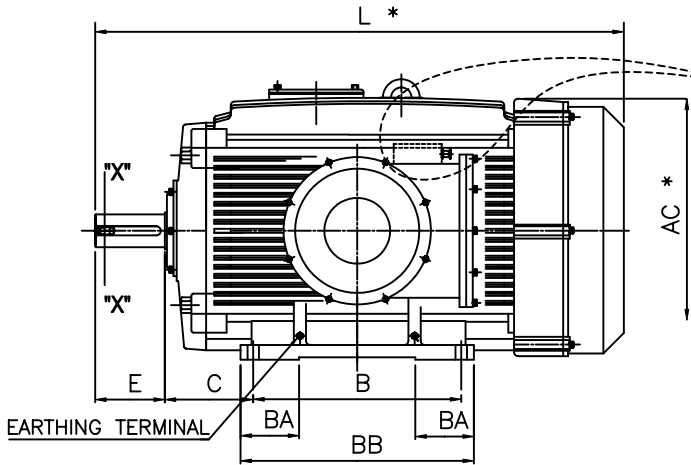


AUX. TERMINAL BOX
FOR SPACE HEATER
WITH D/COMPRESSION
CABLE GLAND SIZE-1X2CX2.5mm²
IS OPTIONAL-WILL BE PROVIDED
WHEN SPACE HEATER IS CALLED FOR

These drawing and design are the property of
Marathon Electric Motors (India) Limited. These must not
be copied or lent to any other party without the written
consent of Marathon Electric Motors (India) Limited.



SECTION - "XX"

4	12-D315M1	4-8	315	$\begin{smallmatrix} +0 \\ -1 \end{smallmatrix}$	80	$\begin{smallmatrix} +0.030 \\ +0.011 \end{smallmatrix}$	170	85	22	$\begin{smallmatrix} +0 \\ -0.052 \end{smallmatrix}$	14	$\begin{smallmatrix} +0 \\ -0.110 \end{smallmatrix}$	71	$\begin{smallmatrix} +0 \\ -0.2 \end{smallmatrix}$	508	457	216	28	620	120	520	143	50	710	598	605	1220	T 20
3	12-D315M1	2	315	$\begin{smallmatrix} +0 \\ -1 \end{smallmatrix}$	65	$\begin{smallmatrix} +0.030 \\ +0.011 \end{smallmatrix}$	140	69	18	$\begin{smallmatrix} +0 \\ -0.052 \end{smallmatrix}$	11	$\begin{smallmatrix} +0 \\ -0.110 \end{smallmatrix}$	58	$\begin{smallmatrix} +0 \\ -0.2 \end{smallmatrix}$	508	457	216	28	620	120	520	143	50	710	598	605	1190	T 20
2	12-D315S	4-8	315	$\begin{smallmatrix} +0 \\ -1 \end{smallmatrix}$	80	$\begin{smallmatrix} +0.030 \\ +0.011 \end{smallmatrix}$	170	85	22	$\begin{smallmatrix} +0 \\ -0.052 \end{smallmatrix}$	14	$\begin{smallmatrix} +0 \\ -0.110 \end{smallmatrix}$	71	$\begin{smallmatrix} +0 \\ -0.2 \end{smallmatrix}$	508	406	216	28	620	120	520	143	50	710	598	605	1220	T 20
1	12-D315S	2	315	$\begin{smallmatrix} +0 \\ -1 \end{smallmatrix}$	65	$\begin{smallmatrix} +0.030 \\ +0.011 \end{smallmatrix}$	140	69	18	$\begin{smallmatrix} +0 \\ -0.043 \end{smallmatrix}$	11	$\begin{smallmatrix} +0 \\ -0.110 \end{smallmatrix}$	58	$\begin{smallmatrix} +0 \\ -0.2 \end{smallmatrix}$	508	406	216	28	620	120	520	143	50	710	598	605	1190	T 20
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	L	TAPPED CENTRE HOLE AT SHAFT ENDS (AS PER IS:2540)
			$\begin{smallmatrix} H \\ \text{CENTRE} \end{smallmatrix}$	$\begin{smallmatrix} \text{HEIGHT} \end{smallmatrix}$	$\begin{smallmatrix} D \\ \text{SHAFT} \end{smallmatrix}$	$\begin{smallmatrix} \text{DIA} \end{smallmatrix}$			$\begin{smallmatrix} F \end{smallmatrix}$	$\begin{smallmatrix} \text{GD} \end{smallmatrix}$	$\begin{smallmatrix} G \end{smallmatrix}$	$\begin{smallmatrix} \text{FIXING DIMENSIONS} \end{smallmatrix}$																

08	02.04.09	Pt.No. 4 For D315M1 4-8 Pole was Written as Pt.No.3		
07	21.01.08	AUX. T/BOX FOR SP. HEATER ADDED.		
06	14.12.07	COMPANY NAME AND LOGO CHANGED		
05	18.01.07	12-D315M1 ADDED IN PLACE OF PT3. ORIGINAL BE COMES PT. 4, 5, 6, 7 RESPECTIVELY & CABLE SIZE ADDED.		
04	07.08.03	PT. 1 & 2 "HD" DIMENSIONS CHANGED 710 WAS 660 DDN NO. C12DD2041 DCN NO. C12DC0889		
03	24.03.03	PT. 1 & 2 "AD" DIMENSIONS CHANGED 605 WAS 595 DDN NO. C12DD1942 DCN NO. C12DC0830		
02	23.09.99	THREADED CENTRE HOLE		
01	02.12.98	DIMENSION MODIFIED 'AD' MODIFIED. DDN NO. C12DD0924 DCN NO. C12DC0168	B.B	
REVISION	DATE	DETAIL OF REVISION	DONE BY	APPRVD

MAX. CABLE SIZE- 1X3CX300mm² / 2X3CX185mm²

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.
4.0 TERMINAL BOX CAN BE PROVIDED AT TOP OR SIDE POSITION.



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

TITLE

12-D315S TO 12-D315M CHALLENGER MOTOR
(AS PER IS:1231)

DRAWN

B.BISWAS

11.04.99

DRAWING NO.

CM1364

REV.

08

CHECKED

S.BHOWMICK

SCALE IF ANY

APPRVD

R.RANJAN

SIGN

DATE

N.T.S

SHEET 1 OF 2