



- Reference IS/IEC Standard as follows :
- 1 - FLAMEPROOF (Ex d) PROTECTION - IIA/IB & IIC, IS/IEC 60079-1 (2014)
  - 2 - INGRESS (IP) PROTECTION - IP-65, IS/IEC 60529 (2001). (Reaffirmed 2014)
- Standard Specification :
- 1 - MATERIAL - M.S./C.I.
  - 2 - FINISH - INSIDE & OUTSIDE LIGHT GREY EPOXY POWDER COATING SHADE No. 631 AS PER IS:5
  - 3 - EARTHING - 1 No. INSIDE & 2 Nos. OUTSIDE M6 SIZE S.S./BRASS SCREWS WITH 2 Nos. PLAIN WASHER
  - 4 - HARDWARE - STAINLESS STEEL
  - 5 - GASKET - 'O' RING NEOPRENE RUBBER GASKET
  - 6 - MOUNTING ARRGT. - AS SHOWN IN DRG.
- Material / Components Specification :
- 1 - S.S. NAME CUM WARNING PLATE (WITH DESCRIPTION TITLE, CMFR, PESO, SR. NO., GAS GROUP, RATING, BIS MARKING, WARNING STATUS, etc...)
  - 2 - RATING & DIMENSIONS DETAIL OF HEATER AS SHOWN IN TABLE :
  - 3 - TERMINALS - 4 Nos. 16sq. mm & 12 Nos. 2.5sq. mm CLIP-ON TYPE TERMINALS OF 'ELMEX' MAKE
  - 4 - CABLE ENTRIES - 1 No. M32 SIZE & 3 Nos. M20 SIZE (EQUVALENT NPT/ET) CABLE ENTRIES FROM SIDE
  - 5 - CABLE GLAND - (Ex d) DOUBLE COMPRESSION TYPE CABLE GLAND OF 'SUDHIR' MAKE
  - 6 - STOPPING PLUG - (Ex d) STOPPING PLUG OF 'SUDHIR' MAKE

**RATING & DIMENSIONS DETAIL OF HEATER AS FOLLOWS :**

Sr. No.	HEATER RATING (KW)	INTERNAL DIA. (øA)	EXTERNAL DIA. (øB)	P.C.D. OF BOTTOM FLANGE (C)	O.D. OF BOTTOM FLANGE (D)	BOTTOM BOLT DETAIL (E)	HEIGHT OF BOX (F)	P.C.D. OF TOP COVER (G)	O.D. OF TOP COVER (H)	TOP COVER BOLT DETAIL (I)
1	15 KW	210	230	298.5	345	M8 x 8	200	255	280	M8 x 8
2	22 KW	260	280	362	405	M8 x 12	200	305	330	M8 x 12
3	30 KW	330	350	456	515	M8 x 12	200	375	400	M8 x 12
4	42 KW	350	370	476	535	M8 x 16	200	395	420	M8 x 16
5	48 KW	410	430	540	600	M8 x 16	200	455	480	M8 x 16
6	60 KW	460	480	578	635	M8 x 16	200	505	530	M8 x 16
7	72 KW	500	520	635	700	M8 x 20	200	545	570	M8 x 20
8	96 KW	520	540	655	720	M8 x 20	200	565	590	M8 x 20
9	150 KW	600	620	749.5	815	M8 x 20	200	645	670	M8 x 20

**Fitting OPTIONS :**

- 1) MATERIAL CONSTRUCTION : STAINLESS STEEL
- 2) VOLTAGE : 230V / 415V AC/DC
- 3) CABLE GLAND & PLUG : BRASS/S.S./ALUMINIUM
- 4) PAINT SHADE : 632/355/7031/7032, etc... (As per Standard)
- 5) CANOPY : M.S. / G.I. / FRP

**NOTE :**

COMPONENT LAYOUT IS TENTATIVE RELOCATION OF PARTS & COMPONENTS IS POSSIBLE AT THE TIME OF ACTUAL MANUFACTURING. OVERALL DIMENSIONS ARE ±10mm

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REV.	DATE	DESCRIPTION	DRN.	CHKD.	APPR.	SCALE	IN. T. S.	REV.	0
<p><b>SUDHIR SWITCHGEARS PVT. LTD.</b></p> <p>130, MULBARI SAMACHAR MARG, MULBARI - 400 023</p> <p>TITLE : <b>FLP-WP ENCLOSURE FOR ELECTRIC HEATER JUNCTION BOX WITH/WITHOUT HEATING ELEMENT</b></p> <p>CMFR. CERT. No. <b>IN/CMFR/TR22/R/1586</b></p> <p>Dt. <b>25/08/2022</b></p>		<p>PESO No. :</p> <p>BIS LICENCE No. :</p>							
		<p><b>CM/L-000331365</b></p>							