

Punched Grid Resistance Box - PS 375° C



Introduction

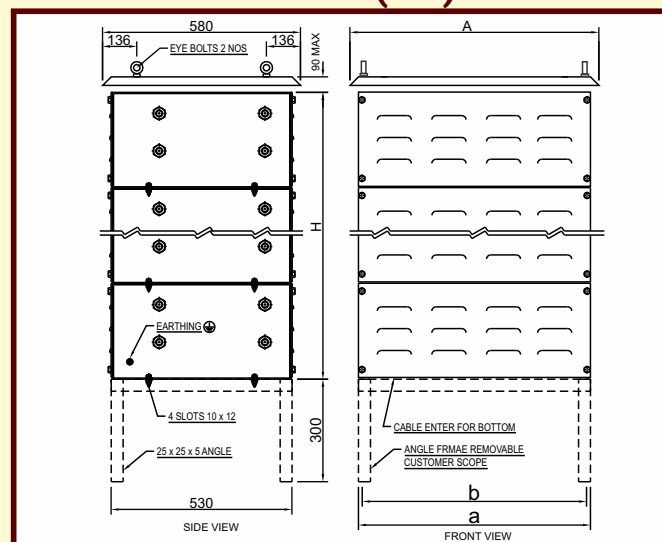
Resistance boxes are used to add resistance to an electric motor circuit for modifying the performance characteristic of slip ring induction motors of EOT cranes, rubber mills, steel rolling mills, cement mills, power plants, conveyors, coke oven, blowers, etc. For speed control and developing starting torque with low starting currents. They are also used as Dynamic Braking Resistor for VVVF AC drives, electric loading of ac alternators, degeneration, and dynamometers. Resistors are designed to meet the requirements of both A.C. & D.C. applications. .



Technical Data

Type Of Grid	Punched Grid
Cooling	Natural Air cooled
Resistors Material	Stainless Steel
Enclosure	Sheet Steel (Galvanized)
Mounting	Floor Mounting Horizontal
Cable Entry	Bottom
Protection Degree	IP-20 / IP-21 / IP-23 / IP-33
Over Ambient Temperature	375° C
Current Rating	8 Amps -----3000 Amps
Connections	Series / Parallel
Voltage	600 V
Terminals	3/8"
Other Voltage	1100/3300 V on request

Resistance Boxes (PS)



Resistance Boxes

Current rating chart for Punched Grid Resistors for 375°C temperature rise

Grid Type	Rated Value	Current rating for various duty factors (Amps)			
		25%ED	40%ED	60%ED	100%ED
PS-10	0.01	390	325	280	234
PS-15	0.015	318	265	228	190
PS-22	0.022	265	220	190	158
PS-32	0.032	220	182	153	131
PS-46	0.046	185	151	130	110
PS-68	0.068	152	126	110	90
PS-100	0.1	125	103	88	74
PS-150	0.15	101	84	72	61
PS-220	0.22	83	70	59	50
PS-300	0.3	82	59	50	43
PS-460	0.46	58	48	40	35
PS-720	0.72	47	39	33	28
PS-1000	1	40	33	28	24
PS-1500	1.5	32	27	23	19
PS-2500	2.5	25	21	18	15
PS-3500	3.5	20	17	15	12
PS-4500	4.5	15	13	11	8

Resistance Boxes (PS)

Dimension Details of Punched Stainless Steel Resistance Boxes

Unit Size	A	a	b	Unit Size	A	a	b	H
A1	430	380	360	B1	580	530	510	280
A2	430	380	360	B2	580	530	510	560
C1	730	680	650	D1	880	830	805	280
C2	730	680	650	D2	880	830	805	560
C3	730	680	650	D3	880	830	805	840
C4	730	680	650	D4	880	830	805	1120
C5	730	680	650	D5	880	830	805	1400
C6	730	680	650	D6	880	830	805	1680