

Punched Grid Resistance Box - PS

Introduction

Resistance boxes are used to add resistance into an electric motor circuit for modifying the performance characteristic of slipping 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, degenerators and dynamometers. Resistors are designed to meet requirements of both A.C. & D.C. applications.



Technical Data

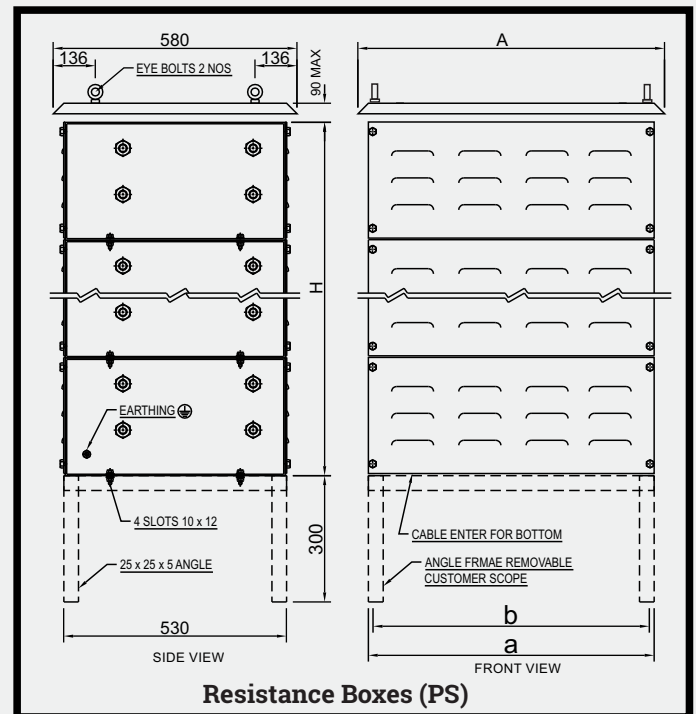
Dynamic Breaking Resistor

Type Of Grid	Punched Grid
Cooling	Natural Aircooled
Resistors Material	Stainless Steel / Fechral
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

Current rating chart for punched grid resistors for 375°C temperature rise

Grid Type	Rated value (Ohms)	Current rating for various duty factors (Amps)			
		25% ED	40 %ED	60%ED	100%ED
PS10	0.010	390	325	280	234
PS15	0.015	318	265	228	190
PS22	0.022	265	220	190	158
PS32	0.032	220	182	153	131
PS46	0.046	185	151	130	110
PS68	0.068	152	126	110	90
PS100	0.100	125	103	88	74
PS150	0.150	101	84	72	61
PS220	0.220	83	70	59	50
PS300	0.300	82	59	50	43
PS460	0.460	58	48	40	35
PS720	0.720	47	39	33	28
PS1000	1.000	40	33	28	24
PS1500	1.500	32	27	23	19
PS2500	2.500	25	21	18	15
PS4500	4.500	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



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EOT CRANE PARTS AND ACCESSORIES

- Electromagnetic Brakes
- Electro Hydraulic Thruster Brake
- Push Button Pendant Station
- Festoon Cable Track System
- Cable Trolleys
- Current Collectors
- Shrouded DSL Bus Bar
- Crane Limit Switches
- Crane Hook Safety Latch
- Crane Hook Block Assembly