

**SPEED-O-CONTROLS
PVT. LTD.**



CRANE CONTROL SOLUTIONS

STAINLESS STEEL RESISTANCE BOX



DISCOVER OUR RANGE OF RESISTANCE BOX

INDEX

PUNCHED GRID RESISTANCE BOX PS 275⁰C



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PUNCHED GRID RESISTANCE BOX 2PS 275⁰C



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Punched Grid Resistance Box - PS 275° 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. .

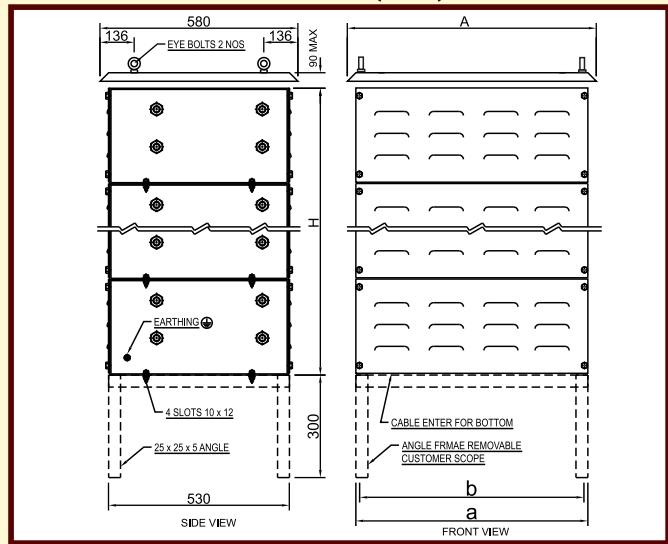
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Technical Data

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	275° 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 275°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	286	247	205
PS-15	0.015	318	234	203	168
PS-22	0.022	265	194	168	139
PS-32	0.032	220	160	135	115
PS-46	0.046	185	133	115	97
PS-68	0.068	152	111	97	80
PS-100	0.1	125	91	78	65
PS-150	0.15	101	74	64	54
PS-220	0.22	83	62	52	44
PS-300	0.3	82	52	44	38
PS-460	0.46	58	43	35	31
PS-720	0.72	47	35	29	25
PS-1000	1	40	29	25	21
PS-1500	1.5	32	24	20	17
PS-2500	2.5	25	19	16	14
PS-3500	3.5	20	16	13	11
PS-4500	4.5	15	12	10	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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SPEED-O-CONTROLS PVT. LTD.
CRANE CONTROL GEAR
V5
04/05/2024

Punched Grid Resistance Box - 2PS 275° C



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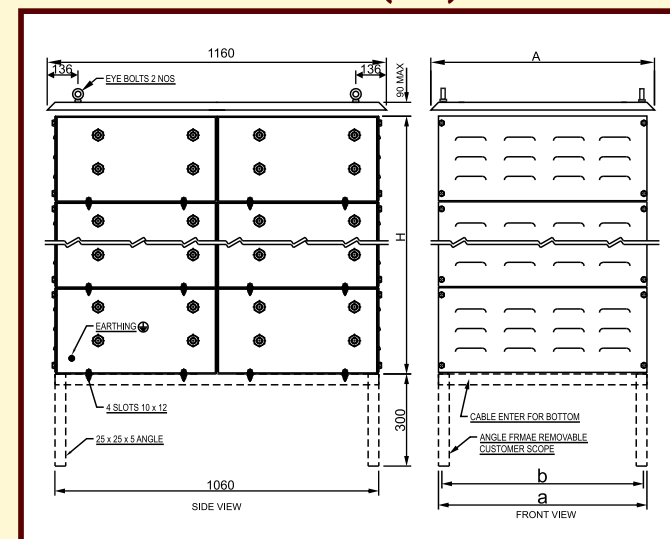
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Resistance Boxes (PS)



Resistance Boxes

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Grid Type	Rated Value	Current rating for various duty factors (Amps)			
		25%ED	40%ED	60%ED	100%ED
2PS-10	0.005	780	572	494	410
2PS-15	0.0075	636	468	406	336
2PS-22	0.011	530	388	336	278
2PS-32	0.016	440	320	270	230
2PS-46	0.023	370	266	230	194
2PS-68	0.034	304	222	194	160
2PS-100	0.05	250	182	156	130
2PS-150	0.075	202	148	128	108
2PS-220	0.11	166	124	104	80
2PS-300	0.15	164	104	88	76
2PS-460	0.23	116	86	70	62
2PS-720	0.36	94	70	58	50
2PS-1000	0.5	80	58	50	42
2PS-1500	0.75	64	48	40	34
2PS-2500	1.25	50	38	32	28
2PS-4500	2.25	30	24	20	16

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