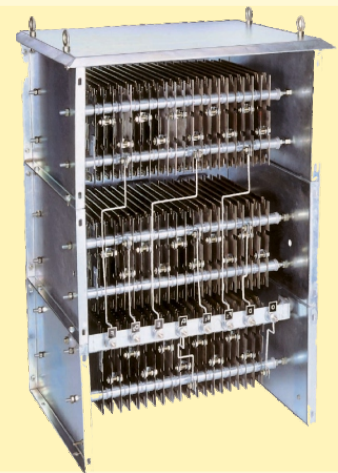


Punched Grid Resistance Box - FS 275° C



Introduction

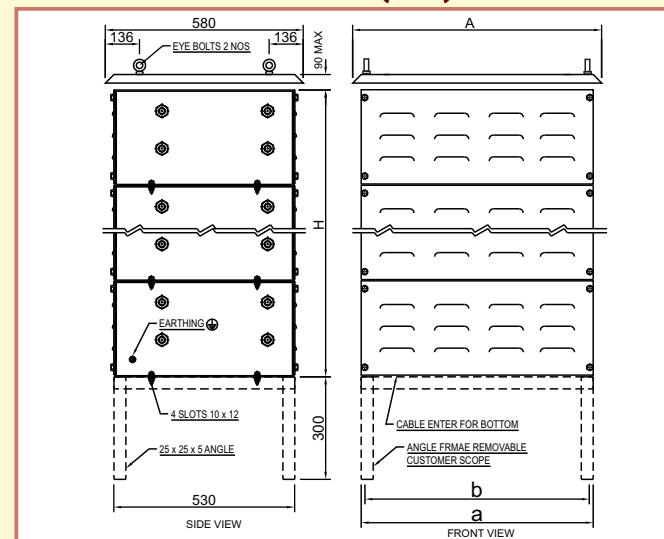
Resistance boxes are used to add resistance to an electric motor circuit for modifying the performance characteristic of slip ring induction motors of EOT cranes, rubber mills, steel rolling mills, cement mills, power plants, conveyors, coke oven, blowers, etc. For speed control and developing starting 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. .



Technical Data

Type Of Grid	Punched Grid
Cooling	Natural Aircooled
Resistors Material	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	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 (FS)



Resistance Boxes

Current Rating Chart for Punched Grid Resistors for 275°C temperature rise

Grid Type	Rated value (Ohms)	Current rating for various duty factors (Amps)			
		25% ED	40 %ED	60%ED	100%ED
FS10	0.010	390	195	168	141
FS15	0.015	318	162	135	116
FS22	0.022	265	132	114	95
FS32	0.032	220	110	92	79
FS46	0.046	185	91	78	66
FS68	0.068	152	76	66	54
FS100	0.100	125	62	53	45
FS150	0.150	101	51	44	37
FS220	0.220	83	43	36	30
FS300	0.300	82	35	30	26
FS460	0.460	58	29	25	21
FS720	0.720	47	24	20	16
FS1000	1.000	40	20	17	15
FS1500	1.500	32	16	14	12
FS2500	2.500	25	13	11	09

Resistance Boxes (FS)

Dimension Details of Punched Grid Fechral 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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