

# Punched Grid Resistance Box - FS 375° C



## Introduction

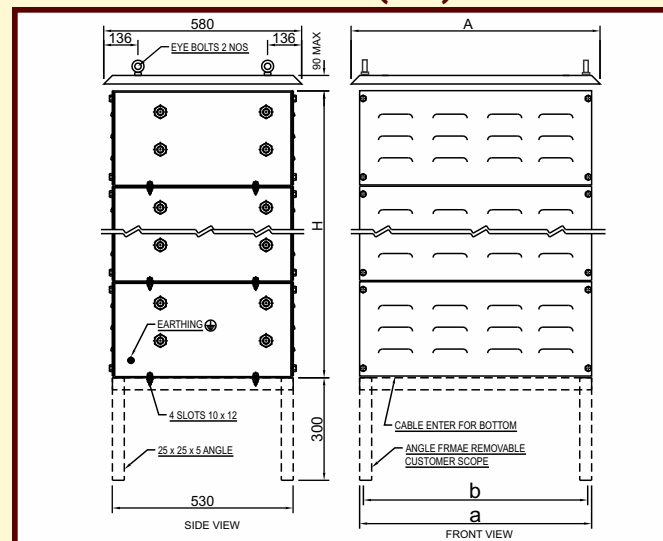
Resistance boxes are used to add resistance to an electric motor circuit for modifying the performance characteristic of slip ring induction motors of EOT cranes, rubber mills, steel rolling mills, cement mills, power plants, conveyors, coke oven, blowers, etc. For speed control and developing starting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



## 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
FS-10	0.015	333	244	210	176
FS-15	0.022	275	202	175	145
FS-22	0.033	225	165	143	119
FS-32	0.048	187	138	115	99
FS-46	0.070	157	114	98	83
FS-68	0.1	128	95	83	68
FS-100	0.15	106	78	66	56
FS-150	0.22	93	68	55	46
FS-220	0.33	72	54	45	38
FS-300	0.45	68	48	38	33
FS-460	0.7	49	36	31	26
FS-720	0.05	38	30	25	20
FS-1000	1.5	35	25	21	19
FS-1500	2.4	28	20	18	15

## Resistance Boxes (FS)

Dimension Details of Punched 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