

## **2.4 MECHANICAL DETAILS**

### **General**

1. All controllers should be mounted vertically in the cubicle to allow good air flow across the cooling fin. Naturally cooled units should be given special consideration to permit cool air entry into and hot air exit below and above the controller.
2. If the enclosure is totally enclosed the metal surface dissipates 50 watt sq. metre for a 10°C temperature rise.

### **590 and 591 Convertors**

Mounting Centres:	Vertical - 400mm (15.75") Horizontal - 200mm (7.87")	
	<u>Rating up to</u> <u>32kw (40 HP)</u>	<u>Rating up to</u> <u>69kw (90 HP)</u>
Overall Width:	250mm (9.8")	250mm (9.8")
Overall Height:	415mm (16.5")	440mm (17.3")
Overall Depth:	170mm (6.7")	170mm (6.7")
Weight:	(10Kg-14Kg) (22lbs-30lbs)	(15Kg) (33.2lbs)
Minimum Airflow Clearance:	100mm(4") above 100mm(4") below	100mm(4") above 100mm(4") below
Nominal Blower Throughput:		100m <sup>3</sup> /Hour
Control Terminations:	Plug-on connectors with retaining catches.	
Power Terminations:	Bus-bars with 8mm screws and captive nuts.	
Access:	Hinge-down cover for keypad. Hinge-up cover for control circuit terminals and Option Modules. Hinge-out Control Printed Board with its own independent cover.	

### **592 and 593 Convertors**

Mounting Centres:	Vertical - 400mm (15.75") Horizontal - 200mm (7.87")
Overall Width:	250mm (8.75")
Overall Height:	500mm (19.7")
Overall Depth:	210mm (8.3")
Weight:	20Kg (44lbs)
Minimum Airflow Clearance:	150mm (6") above and 100 (4") below.
Nominal Blower Throughput:	350m <sup>3</sup> /Hour.
Control Terminations:	Plug-on connectors with retaining catches.
Power Terminations:	Bus-bars with screws and captive nuts.
Access:	Hinge-down cover for keypad. Hinge-up cover for control circuit terminals and Option Modules. Hinge-out Control Printed Board with its own independent cover.