

INVERTER FAN SPEED CONTROLLERS: INV RANGE

A range of Inverter fan speed controllers designed for speed controllable 3 phase motors. The INV range of controllers are housed in metal enclosures. The inverters come pre-programmed and feature a stop/start switch and speed adjustment dial. As an optional extra we offer remote (not wireless) speed adjustment stations.

Please note when ordering inverters please order as follows:

1Ph-3Ph inverters: Part code is INV1-x-y where x is the kW of the fan motor and y is the actual F.L.C. of the fan motor.

3Ph-3Ph inverters: Part code is INV3-x-y where x is the kW of the fan motor and y is the actual F.L.C. of the fan motor.

When choosing the inverter please ensure that the F.L.C. of the fan motor +10% does not exceed the max rating (in amps) of the inverter. This allows (if required) the carrier frequency to be changed.

Single Phase input (INV1) 230v 1Ph 50Hz input/ 230v 3Ph output

Electrical supply	Max rating (kW/Amps)	Dimensions (H x W x D)
230v 1Ph 50Hz	0.4/2.8	400mm x 300mm x 200mm
230v 1Ph 50Hz	0.75/5	400mm x 300mm x 200mm
230v 1Ph 50Hz	1.5/8	400mm x 300mm x 200mm
230v 1Ph 50Hz	2.2/11	400mm x 300mm x 200mm



Three Phase input (INV3) 400v 3Ph 50Hz input/ 400v 3Ph output

Electrical supply	Max rating (kW/Amps)	Dimensions (H x W x D)
400v 3Ph 50Hz	0.75/2.5	400mm x 300mm x 200mm
400v 3Ph 50Hz	1.5/4.2	400mm x 300mm x 200mm
400v 3Ph 50Hz	2.2/5.8	400mm x 300mm x 200mm
400v 3Ph 50Hz	4/9.5	400mm x 300mm x 200mm
400v 3Ph 50Hz	5.5/13	500mm x 400mm x 200mm
400v 3Ph 50Hz + neutral	7.5/17	500mm x 400mm x 200mm
400v 3Ph 50Hz + neutral	11/25	600mm x 600mm x 250mm
400v 3Ph 50Hz + neutral	15/32	600mm x 600mm x 250mm
400v 3Ph 50Hz + neutral	18.5/38	700mm x 500mm x 250mm
400v 3Ph 50Hz + neutral	22/46	700mm x 500mm x 250mm

Higher rated models available. Please enquire for pricing.



Remote speed adjustment station RSAS-M (Optional extra)



Remote speed adjustment station RSAS-PC (Optional extra)



IP65 Remote speed adjustment station RSAS-IP65 (Optional extra)

Model no.	Optional extra
RSAS-M	Remote speed adjustment station with on/off switch (metal front plate)
RSAS-PC	Remote speed adjustment station with on/off switch (polycarbonate front plate)
RSAS-IP65	IP65 Remote speed adjustment station with on/off switch

Inverters for Demand Control Ventilation (DCV)

Most ventilation systems are designed to supply ventilated air based on assumed, rather than actual occupancy. This often results in over-ventilation, wasting both money and energy. The solution to this is Demand Control Ventilation (DCV) whereby a sensor measures the actual conditions and when used in conjunction with a frequency inverter the ventilation rate is automatically adjusted ensuring the building is ventilated cost effectively.

We can offer any of our inverters along with a sensor such as temperature or pressure so as to provide a controls package where a constant value e.g temperature, pressure is to be maintained. Please enquire for details.