

OPTIDRIVE™



The integrated drive solution

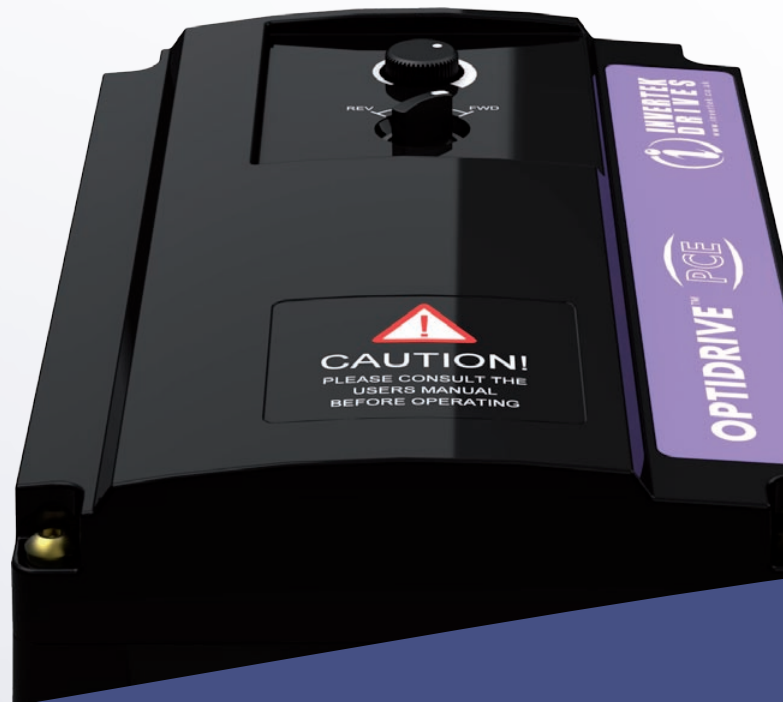
AC Variable Speed Drive

Up to 1.5kW / 2HP

200–240V ± 10% 1 Phase Input

380–480V ± 10% 3 Phase Input

- High performance integrated motor drive
- Sensorless vector control — up to 200% torque from zero speed
- IP55 enclosure protects against dust and fluid ingress
- Available with optional keypad or potentiometer
- Suitable for motor power ratings up to 1.5kW / 2HP
- Supplied with universal adaptor plate to suit most motors



Model Reference

200–240V ± 10% 1 Phase Input, 3 Phase Output IP55 / NEMA 12

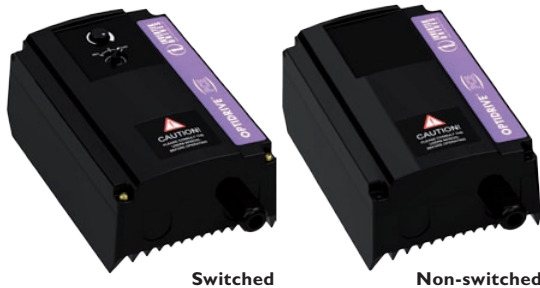
Switched Version		Non-switched Version		Output Current (A)
With Integrated EMC Filter	Without Filter	With Integrated EMC Filter	Without Filter	
OPC-I-12075-1KBIS	OPC-I-12075-1K0IS	OPC-I-12075-1KBIN	OPC-I-12075-1K0IN	4.5
OPC-I-12150-1KBIS	OPC-I-12150-1K0IS	OPC-I-12150-1KBIN	OPC-I-12150-1K0IN	7

380–480V ± 10% 3 Phase Input, 3 Phase Output IP55 / NEMA 12

Switched Version		Non-switched Version		Output Current (A)
With Integrated EMC Filter	Without Filter	With Integrated EMC Filter	Without Filter	
OPC-I-14075-3KBIS	OPC-I-14075-3K0IS	OPC-I-14075-3KBIN	OPC-I-14075-3K0IN	2.2
OPC-I-14150-3KBIS	OPC-I-14150-3K0IS	OPC-I-14150-3KBIN	OPC-I-14150-3K0IN	4.1

Switched & Non-switched Units Available

- Local potentiometer for speed control
- Programmable switch:
Drive REV/OFF/FWD
or:
Hand/OFF/Auto



Universal Adaptor Plates

Supplied with adaptor plates for direct fitting on most motors.

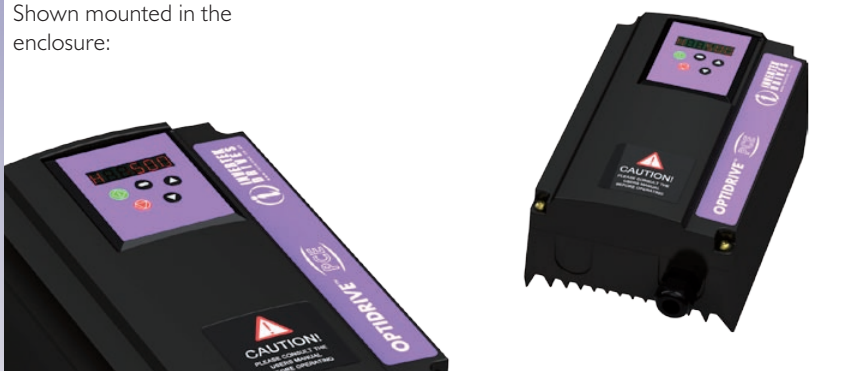


Deep adaptor plate
Part No: 66-PCEAP-02

Shallow adaptor plate
Part No: 66-PCEAP-01

Optional Keypad

Shown mounted in the enclosure:



Drive Specification

Input Ratings	Supply Voltage	230V: 200 – 240V ± 10% 400V: 380 – 480V ± 10%
	Supply Frequency	48–62Hz
Output Ratings	Output Power	Up to 1.5kW / 2HP
	Overload Capacity	150% for 60 secs; 175% for 2 secs
	Output Frequency	Up to 500Hz
Ambient Conditions	Temperature	Ambient & Heatsink Temperature: -10 to 60°C
	Altitude	0–2000m (derate 1% / 100m above 1000m)
Enclosure	Ingress protection	IP55
Programming	Keypad	Optional External Keypad
	PC	Yes
	Pocket PC	Yes
	Preset speeds	8 user adjustable
	PID control	Internal
	Spin start	No
	Acceleration	0–3000 secs, 0.1 resolution
	Deceleration	1st Ramp: 0–3000 secs, 0.1 resolution 2nd Ramp: 0–30 secs, 0.1 resolution
Control Specification	Control method	V/F Voltage Vector 3 rd Sensorless Vector
	Stopping mode	Coast Stop Ramp to Stop
	Skip frequency	Single point, user adjustable
	Setpoint control (internal)	0–10V 0–24V
		4–20mA 0–20mA Digital – Keypad Master / Slave (Optibus)
I/O Specification	Digital inputs	10–30V DC, internal or external supply, NPN Response time < 4ms
	Power supply	24V DC, 100mA, Short Circuit protected 10V DC, 10mA for Potentiometer
	Analog inputs	0–10V DC 0–24V DC 0/4–20mA 0/24V, 30V DC max Resolution: 12 bits + sign Response time < 4ms Accuracy: Better than 1% of full scale Parameter adjustable Scaling and Offset
		Relay outputs

