

IP55 Features & Benefits



Washdown Duty three phase output

- IP55 Washdown Duty three phase
- Models suitable for 200-240V 1Ph or 380-480V 3Ph input voltage
- 4 sizes 1ph input from 0.37kW to 2.2kW
- 6 sizes 3ph input from 0.75kW to 7.5kW
- Suitable for operating temperatures of up to 40°C
- Keypad or Terminal Control
- Integral RFI filter
- Modbus RTU serial communications
- Indication of motor current and r/min
- Motor and Drive Protection
- Trip Log
- Skip Frequency Capability
- Spin Start Capability
- Energy Optimiser
- Built – in PI control for feedback applications (temperature, pressure etc.)
- Local Power Isolator
- Local potentiometer for speed control
- Drive forward / reverse switch



Cost effective – The use of an Eltadrive can reduce the number of control and protection devices needed in a complete installation as well as providing the opportunity to reduce energy consumption.

Energy Saving – Reduction of energy usage can be achieved due to the relationship between motor power and speed. Energy optimizer function can be enabled so the inverter reduces the applied motor voltage (hence torque) depending on load conditions.

Material strength – Robust construction for added strength and durability, resists low pressure water, dust, dirt and chemicals.

Choice – 10 sizes from 0.37kW to 7.5kW with two voltage input ranges providing greater choice for the engineer.

Stock availability – Eltadrive inverters are available on “Next Day” delivery.

Ease of set-up – Only 14 standard parameters to adjust with the default settings being suitable for most applications. Each unit is supplied with a fitted label for quick reference highlighting 14 standard parameters and default terminal configuration. For the more advanced user the extended parameter set gives access to powerful additional functionality.

Ease of installation – The compact and modern design offers a small mechanical envelope aiding installation.

Tested to the very latest standards – The Eltadrive product range conforms to the low voltage directive and to EN 61800-5-1: 2003, EN 61800-3-2nd Ed: 2004 and EN 55011: 2007.

Quality assurance – All units are designed and manufactured with procedures as defined in BS EN ISO 9001: 2000.

Warranty – Each Eltadrive has a one year warranty.

IP55 Electrical Data



Data in kW - With internal rfi filter

IP55 - 1 Phase Input, 3 Phase 230V Output

200 – 240V 1 Phase	Motor Power (kW)	Output Current (A)	Frame Size
149-ODE-2-12037-1KB1S	0.37	2.3	1
149-ODE-2-12075-1KB1S	0.75	4.3	1
149-ODE-2-12150-1KB1S	1.5	7	1
149-ODE-2-22220-1KB1S	2.2	10.5	2

IP55 - 3 Phase Input, 3 Phase 400V Output

380 – 480V 3 Phase	Motor Power (kW)	Output Current (A)	Frame Size
149-ODE-2-14075-3KA1S	0.75	2.2	1
149-ODE-2-14150-3KA1S	1.5	4.1	1
149-ODE-2-24220-3KA4S	2.2	5.8	2
149-ODE-2-24400-3KA4S	4	9.5	2
149-ODE-2-34055-3KA4S	5.5	14	3
149-ODE-2-34075-3KA4S	7.5	18	3

connection diagram

IP55 wash down duty

