

IM-pAC AC Drive

CAMCO FERGUSON
IMC INDUSTRIAL MOTION CONTROL, LLC.



480 V

240 V

Features

The CAMCO-FERGUSON IM-pAC AC Drive is optimised for cam-operating index applications.

- ◆ Easy Setup – Factory preset parameters
- ◆ Simple Connections – easy-access terminals with clear markings
- ◆ Up to 60 cycles per minute using high-performance 0,25 and 0,75 kW AC motors.
- ◆ Index times as short as 0.5 second

Control Details

Control

- ◆ Open loop vector control
- ◆ Speed or torque control
- ◆ Speed reference input: 0-10V, 0-20mA, 4-20mA
- ◆ 4 digital inputs – World (enable, run forward, run reverse, local/remote) – USA (not stop, run, jog, local/remote)
- ◆ Switching frequency: 3 – 6 – 12 – 18 kHz (default)
- ◆ Output frequency 0 to 60Hz
- ◆ Accel and Decel ramps (linear and S type)
- ◆ Positive logic control
- ◆ Serial communication – Modbus RTU RS485 via RJ45 connector – Baud rate 4800, 9600, 19200 or 38400 bits per second
- ◆ DC injection braking as standard
- ◆ Dynamic braking transistor as standard
- ◆ Dynamic motor flux V/Hz for energy saving
- ◆ Can cycle brake motor using piloting relay

Protection

Undervoltage, Supply and DC Link overvoltage, Phase loss, Drive overload, Instantaneous over-current, Short circuit, Ground fault, Drive thermal, Watchdog, Motor thermal

General Characteristics

- ◆ Maximum overload 150% of rated current for 60s
- ◆ Intelligent Thermal Management (ITM) optimises switching frequency
- ◆ 8 preset speeds
- ◆ Flying start
- ◆ Mains dip ride through
- ◆ Automatic no-spin auto-tune for fast performance optimisation
- ◆ Keypad access to all parameters for more demanding set-ups
- ◆ Can be mounted to a DIN Rail
- ◆ CE and UL

Environment

- ◆ IP20
- ◆ NEMA 1 rating with optional cover
- ◆ Ambient temperature -10 to +40°C @ 3kHz switching
- ◆ Humidity 95% maximum (non-condensing)
- ◆ Electromagnetic Immunity complies with EN61800-3 and EN61000-6-3 and 4
- ◆ Electromagnetic Emissions complies with EN61800-3 (second environment) as standard. Complies with EN61000-6-3 (residential) and EN61000-6-4 (industrial) generic standards with optional footprint EMC filter

Part Number	Drive Size	Motor Power	Rating
92C85797010000	A	0,75 kW	200-240V 0,75 kW 1-phase 48-62 Hz
92C85797020000	B	0,75 kW	380-480V 0,75 kW 3-phase 48-62 Hz

Dimensions		
Dimensions	Drive Size A	Drive Size B
	mm	mm
W	75	85
H	140	190
D	145	156
G	104	155.5
X	143	194
Y	53	55
Z	M4	M4

