

# IM-pAC AC Drive



A DOVER COMPANY

**Automation**  
**Robohand FERGUSON**  
**CAMCO**



480 V

240 V

## Features

The CAMCO-FERGUSON IM-pAC AC Drive is optimized 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 1/3 and 1 hp 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
- ◆ Switching frequency: 3 – 6 – 12 kHz (default)
- ◆ Output frequency 0 to 60Hz
- ◆ Accel and Decel ramps (linear)
- ◆ Positive logic control
- ◆ Serial communication – Modbus RTU RS485 via RJ45 connector
- ◆ 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

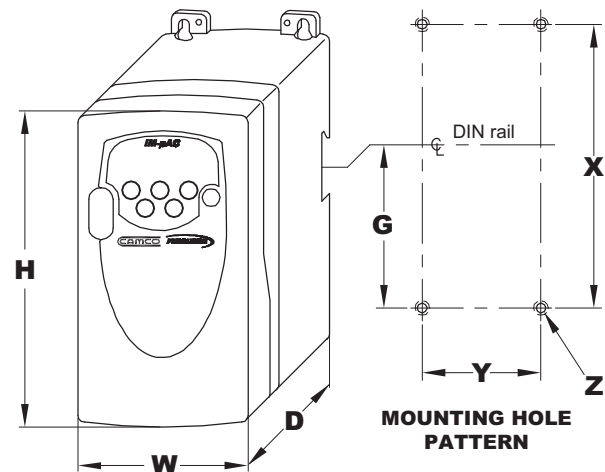
- ◆ Maximum overload 160% of rated current for 60s
- ◆ Intelligent Thermal Management (ITM) optimizes switching frequency
- ◆ 8 preset speeds
- ◆ Keypad access to all parameters for more demanding set-ups
- ◆ Can be mounted to a DIN Rail
- ◆ UL and CE

### 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	1 hp (.75 kW)	200-240V 0.75 kW 1-phase 48-62 Hz
92C85797020000	B	1 hp (.75 kW)	380-480V 0.75 kW 3-phase 48-62 Hz

Dimensions				
Dimension	Drive Size A		Drive Size B	
	inch	mm	inch	mm
W	2.95	75	3.35	85
H	5.50	140	7.48	190
D	5.71	145	6.14	156
G	4.10	104	6.10	155.5
X	5.63	143	7.67	194
Y	2.09	53	2.17	55
Z	–	M4	–	M4



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