





Single Phase Energy Optimizing Soft Starter

The HFE is the ideal 'retrofit' energy optimizing solution for Soft Starting single phase compressors and motors such as those used in Supermarket refrigerators and chillers etc., and can yield between 10 - 32% energy savings.



For application specific sizing go to www.fairford.com/product selector.html

Current (I) Motor kW (230V)

Motor kW (110V)

compressors and motors last longer

Motor HP (230V)

Motor HP (110V)

and require less maintenance.

No maintenance time or

'Fit and Forget'

associated cost.

The HFE has a rugged tin lid construction and can be mounted easily next to the machine or control panel. Installation of the unit is guick and simple due to the 'two wires in, two wires out' design. The unit is 'fit and forget' and there is

in energy and related cost and

Mechanical and electrical stress

reduction or elimination means

carbon emissions.

Torque Reduction

Model

HFE 1

HFE 2

HFE 2

Please note: All nensions in inches

no maintenance for the user.

Retrofit, quick fit, simple wiring

Quick and simple two wire in/out

implementation means low cost

and rapid return on investment

Two LED's showing power and

not under load -10 - 32% saving

through energy and maintenance

install in existing equipment

Main Features

cost reduction.

LED Indication

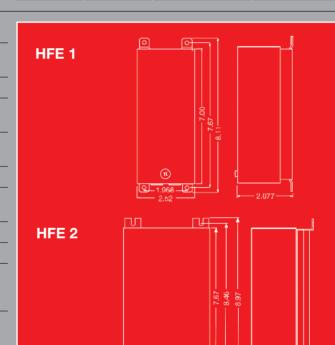
energy saving.

Energy Optimizing Reduces required energy consumption when the motor is



Technical Data

Operational Voltage (Ue)	110 – 230 VAC or (-15% to +10%) Single Phase
Frequency	50/60 Hz +/- 2Hz
Operational Current (le)	HFE 1 – 10A HFE 2 – 30A
Start Duty	Please refer to Basic Guides – FD1945 and FD2025
Ingress Protection	IP30 with standard cover
Start Time	Approx 0.5 to 5 Seconds continuously variable
Pedestal Voltage	Fixed at approx 15%
Ambient Temperature	0°C to 40°C without de rating
Design Standards	IEC 60947-4-2, EN 60947 – 4- 2 "AC Semiconductor Motor Controllers and Starters"
Ideal Applications	 Refrigeration Systems Conveyors Oven Fans Chillers Coolers Air Conditioners



For more information on how the HFE from Fairford Electronics can reduce your running costs and lower maintenance bills contact your local distributor.

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