

WATER to AIR HEAT EXCHANGER MODULE H352G



Year 1
study

Features

- 220Volts, two phase, 50/60Hz available

Description

The accessory includes a series connected copper tube bundle with flexible flow and return hoses that is designed to fit the aperture in the Cross Flow Heat Exchanger H352 duct. The flexible hoses connect to a small service console containing a water heater, reservoir, circulating pump and flowmeter. The flow and return temperatures of the heated water are measured together with the water flow rate which is also adjustable. This allows investigation of the heat transfer at various operating conditions. The use of a pressure measuring device in the service console allows the pressure drop in the heat exchanger to be recorded and related to the flow rate. This also allows investigation of the pump characteristics. For operator safety the service console has an internal high temperature cut out, miniature circuit breakers and overload cut out.

Related Laws/Applications

- Mechanical Engineering
- Nuclear Engineering
- Chemical Engineering
- Control and Instrumentation
- Plant and Process Engineering
- Building Services
- Engineering Physics
- Refrigeration
- Marine Engineering

Learning capabilities

- Determination of the Heat Transfer Rate and the Heat Exchanger Effectiveness.
- Determination Of Overall Heat Transfer Coefficient And How This Is Affected By The Flow Velocity Of Air And Water.
- Investigation Of Pressure Drop In The Heat Exchanger At Different Flow Rates.

Essential Ancillaries

- H352

Recommended Ancillaries

- H352A
- H352B
- H352C
- H352D
- H352E
- H352F

What's in the Box?

- 1 x H352G
- 2 x Plastic Tubes + clips
- 1 x Thermocouple assembly
- 1 x Funnel
- Instruction manual
- Packing List
- Test Sheet
- Wiring Diagram

You might also like

- H352A
- H352B
- H352C
- H352D
- H352E
- H352F

Weights & Dimensions

- Weight: 10 kg
- Length: 435mm
- Width: 280mm
- Height: 225mm

Essential Services

- H352
- 220-240 Volts, Single Phase, 50Hz (With earth/ground).
- Line current up to 13A at 230v.
- 110-120 Volts, Single Phase, 60Hz (With earth/ground).
- Line current up to 26A at 110v.

Ordering information

To order this product, please call PA Hilton quoting the following codes:

H352G/230

H352G/115

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COUNTRY OF ORIGIN - UK WARRANTY PERIOD - 5 YEARS