

COMMERCIAL/INDUSTRIAL Wallmounted Dehumidifiers

for dehumidification and condensation control in commercial premises
and industrial environments - with additional space heating options



Applications:

Dehumidification of:

- Electrical Sub-stations
- Libraries
- Basements/Cellars
- Sports Clubs/Changing Rooms
- Warehousing/Storage
- Drying rooms

Range:

Models DH30 and DH60, each unit is self contained in an attractive wall-mounted cabinet with fully automatic operation.

Performance:

Efficient dehumidification over a temperature range 0°C-40°C.
Hot gas defrost option
Model DH30 produces 30 litres in 24 hours @ 20°C, 75% RH
Model DH60 produces 60 litres in 24 hours @ 20°C, 75% RH

Problem Solving:

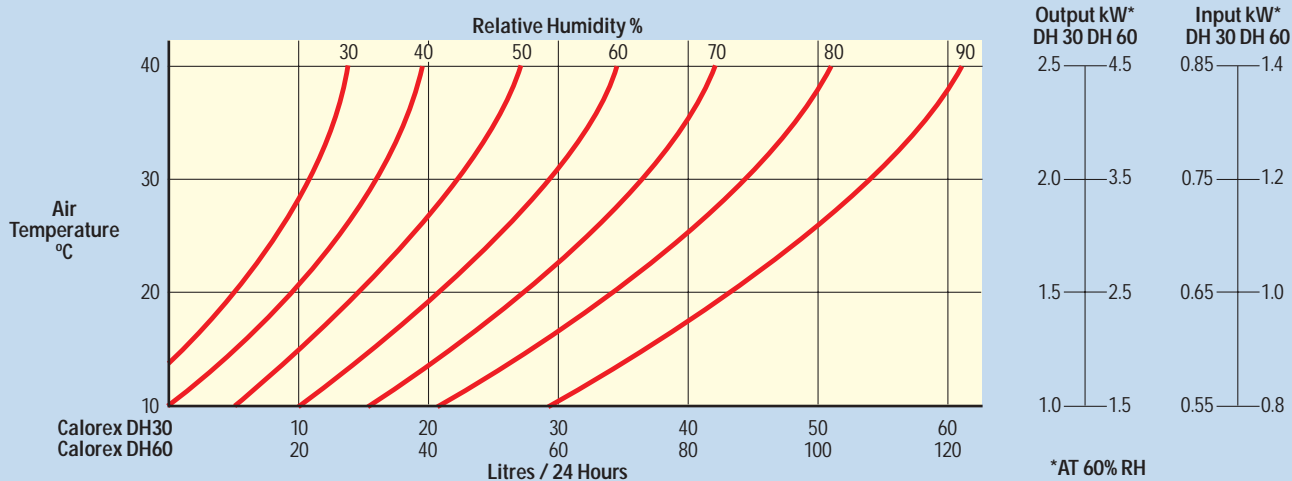
Heatpump dehumidification is a reliable and efficient method of solving problems of excess moisture and condensation which cause damage and deterioration.

Space Heating Options:

The standard Calorex dehumidifier recovers heat from the moist air and uses it to heat the discharged air. When additional space heating is required either unit can be supplied with LPHW or electric resistance options. See data sheet overleaf for details.

calorex®

PERFORMANCE DATA



Minimum operating air temperature for standard models 15°C For low temperature operation, down to 0°C, select Hot Gas Defrost Model

| Hot Gas Defrost Models | Temperature | RH | Calorex DH 30X | Calorex DH 60X |
|------------------------|-------------|-----|--------------------|---------------------|
| | 5°C | 80% | 9 Litres /24 hours | 18 Litres /24 hours |
| | 0°C | 80% | 5 Litres /24 hours | 10 Litres /24 hours |

TECHNICAL DETAILS

| MODEL: | | DH30A | DH30AX | DH30AP /AXP | DH60A | DH60AX | DH60AP /AXP |
|-------------------------------|--------------------|--|----------|-------------|----------|----------|-------------|
| System | | Fully hermetic refrigeration system charged with R407C refrigerant. PVC coated galvanised steel case. Polyester coated evaporator and condenser. High efficiency compressor with delay start timer. Whisper quiet centrifugal fans. Multi-sensor control circuit for accurate control and comprehensive unit protection. | | | | | |
| Control | | Adjustable humidistat: range 20% - 80% RH | | | | | |
| General | | | | | | | |
| Air flow | m ³ /hr | 700 | 700 | 700 | 1280 | 1280 | 1280 |
| Electric heater | kW | - | - | 2 | - | - | 4 |
| Noise level @ 3m | dB(A) | 52 | 52 | 52 | 54 | 54 | 54 |
| Refrigerant charge | R407 | 0.5 | 0.45 | 0.45 | 0.75 | 0.8 | 0.8 |
| Nominal Power Consumed | | | | | | | |
| Fan only | kW | 0.05 | 0.05 | 0.05 | 0.11 | 0.11 | 0.11 |
| Dehum (comp & fan) | kW | 0.75 | 0.75 | 0.75 | 1.2 | 1.2 | 1.2 |
| Dehum & heater | kW | - | - | 2.75 | - | - | 5.2 |
| Heater & fan | kW | - | - | 2.05 | - | - | 4.11 |
| Electrical Data | | | | | | | |
| Supply | | 230V50Hz | 230V50Hz | 230V50Hz | 230V50Hz | 230V50HZ | 230V50Hz |
| Fuse | Amp | 10 | 10 | 20 | 13 | 13 | 32 |
| Nominal running | Amp | 3.4 | 3.4 | 11.7 | 5.6 | 5.6 | 22.3 |
| Full load | Amp | 4.4 | 4.4 | 12.7 | 7.5 | 7.5 | 24.2 |
| Compressor LRA | Amp | 15.8 | 15.8 | 15.8 | 30 | 30 | 30 |
| Dimensions | | | | | | | |
| Height | mm | | 653 | | | 653 | |
| Length | mm | | 782 | | | 1245 | |
| Depth | mm | | 240 | | | 240 | |
| Weight approximate | kg | | 40 | | | 60 | |



calorex®

CALOREX HEAT PUMPS LIMITED

The Causeway, Maldon, Essex, CM9 5PU United Kingdom

Tel No. +44(0)1621 856611 Fax No. +44(0)1621 850871

e.mail: sales@calorex.com web: www.calorex.com