



Dehumidifiers

Specifically designed for
car storage facilities



CALOREX DEHUMIDIFIERS

Dehumidification for car storage

Calorex has a large range of dehumidifiers suitable for a variety of conditions and different size car storage facilities.

Why Calorex?

With over 20 years of experience developing dehumidifiers specifically for the classic car market, Calorex is the number one go to company for any size car collection or storage facility. Calorex is renowned for its innovation, range and quality of products with an expert sales and services team dedicated to meeting our customer's requirements. Our presence is international with thousands of Calorex units operating in over 60 countries worldwide.

All Calorex heat pump dehumidifiers are designed for operation in low and high ambient temperatures and have class leading efficiencies. Our wide range of units and operating temperatures ensure that there is a system to fit every need. From high tech problems requiring sophisticated 'central plant' or 'keep dry recirculation' systems to a simple off the shelf mobile dehumidifier to plug in and go – Calorex are unique problem solvers in their field.

Dehumidifiers features:

- High performance level, even in unheated rooms
- Powerful centrifugal fan
- Professional hot gas automatic defrost
- Automatic hygrostat controlled dehumidification
- Can connect to an external condensation drain or condensate pump
- Self contained

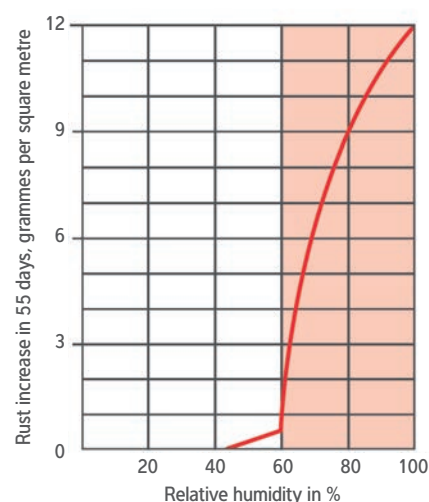
Our sales team can:

- Provide sizing guidelines
- Provide dehumidifiers suitable for every size of garage, including commercial storage facilities
- Provide measuring equipment

Calorex dehumidifiers will:

- Prevent corrosion of vulnerable metal surfaces and body panels
- Dry damp rooms substantially quicker than heat to the point where cars can be stored for indefinite periods of time without moisture related degradation
- Consume at least four times less energy than an equivalent heating system
- Operate in unheated and uninsulated rooms without wasting energy
- Provide a degree of background heating
- Dry a vehicle if it is returned to the garage whilst wet
- Are simple to install and operate

Corrosion speed of steel



With an RH of over 60% the rate of corrosion on steel rises rapidly

At an RH of approximately 50% virtually no corrosion occurs



A Calorex DH30 installed in a four car garage

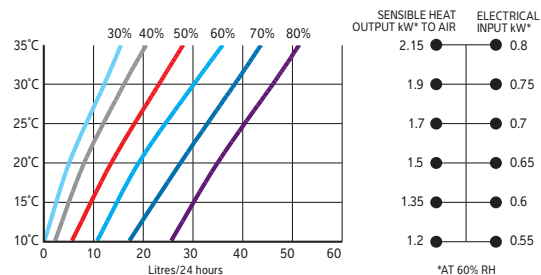
DH30/60

Wall mounted compact dehumidifiers with air heating options

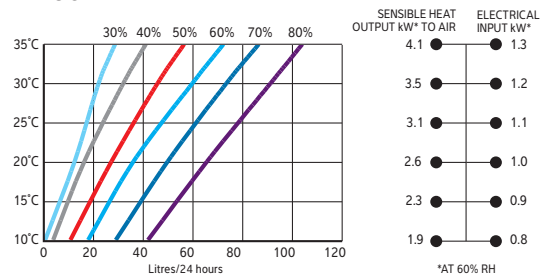
Specifications	Units	DH30A/ DH30AX	DH30AP/ DH30AXP	DH60A/ DH60AX	DH60AP/ DH60AXP
Performance					
Operating temperature range	°C	15-35/ 0-35	15-35/ 0-35	15-35/ 0-35	15-35/ 0-35
Dehumidification @ 30°C/60% RH	kg/24h	30	30	60	60
Heat recovered to air @ 30°C/60% RH	kW	1.9	1.9	3.5	3.5
Air flow	m³/h	700	700	1280	1280
External static pressure	Pa	0	0	0	0
Sound pressure level @ 3m	dB(A)	52	52	54	54
Refrigerant		R407c	R407c	R407c	R407c
Electrical data					
Supply	V/ph/Hz	230/1N/50	230/1N/50	230/1N/50	230/1N/50
Dehumidifier power input	kW	0.75	0.75	1.2	1.2
FLA	amps	4.4	12.7	7.5	24.2
Maximum supply fuse	amps	10	20	13	32
LRA (compressor start)	amps	15.8	15.8	30.0	30.0
Heater					
Type		Optional LPHW	Standard Electric	Optional LPHW	Standard Electric
Heat output	kW	3.0	2.0	5.0	4.0
Flow rate	l/min	5.0	-	5.0	-
Dimensions					
Width	mm	782	782	1247	1247
Depth	mm	270	270	270	270
Height	mm	648	648	648	648
Weight	kg	40	40	60	60
Condensate drain size (flexible plastic hose)	mm ID	10	10	10	10

Performance data

DH30



DH60



Options

- Through the wall version
- Electric air heater
- LPHW air heater
- Remote humidistat

OTW15

A wall mounted compact dehumidifier designed to fit above a standard doorway

Specifications	Units	OTW15AX
Performance		
Operating temperature range	°C	0-35
Dehumidification @ 30°C/60% RH	kg/24h	15
Heat recovered to air @ 30°C/60% RH	kW	0.9
Air flow	m³/h	225
External static pressure	Pa	0
Sound pressure level @ 3m	dB(A)	53
Refrigerant		R407c
Electrical data		
Supply	V/ph/Hz	230/1N/50
Nominal power consumption	kW	0.43
FLA	amps	3.8
Maximum supply fuse	amps	10
LRA (compressor start)	amps	18
Dimensions		
Width	mm	825
Depth	mm	363
Height	mm	320
Weight	kg	33
Condensate drain size (flexible plastic hose)	mm ID	10

Options

- Through the wall version

Quick dehumidifier sizing guide

Small unheated storage areas and garages maintained at 60% RH or less or for well constructed buildings, not extremely exposed to prevailing winds.

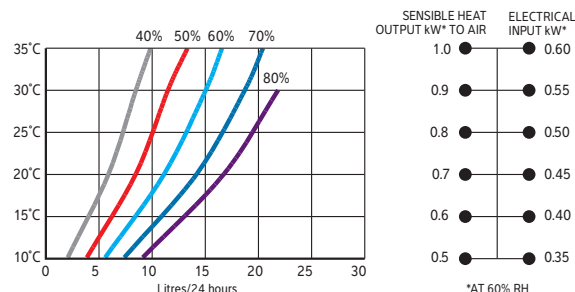
Up to 75m³	(2,648ft³)	OTW15AX or PD150AX
Up to 150m³	(5,297ft³)	DH30AX or PD300AX
Up to 350m³	(12,359ft³)	DH60AX or PD600AX
Up to 500m³	(17,655ft³)	DH75AX
Up to 750m³	(26,483ft³)	DH110AX
Up to 1000m³	(35,310ft³)	DH150AX

Correction factors

- For buildings not well sealed, i.e. poor fitting doors or buildings in constant use, halve the building volumes per unit selection
- For buildings extremely exposed but well sealed, divide building volume per unit by 1.6

Performance data

OTW15



Dehumidifier Sizing Tool



For other specifications you can use our **NEW** online sizing tool at www.calorex.com or contact us at sales@calorex.com



Calorex Heat Pumps Limited, The Causeway, Maldon, Essex CM9 4XD, United Kingdom
t. +44 (0)1621 8566 11 e. sales@calorex.com www.calorex.com

