



SPP6A MILITARY STANDARD DEHUMIDIFIER



OVERVIEW

The Ebac SPP6A is a rugged, military specification dehumidifier which protects stored equipment from excess humidity.

The unit may be deployed inside flexible sealed storage covers or well sealed rooms. The system complies with the British Military Defence specifications D/DGFVE/12/2 and V/PIP/31.

The unit is currently deployed with several North Atlantic defence agencies and has gained technical approval among Asian countries and others after comprehensive testing.

FUNCTION

The function of a dehumidifier is to economically remove moisture directly from the air, whilst maintaining a controlled humidity level.

Lack of proper humidity control exposes valuable equipment and supplies in storage to damage caused by corrosion, mould growth or general dampness. By maintaining the humidity level between 45 and 50% RH, these problems can be avoided.

OPERATION

Once positioned inside the storage area, the required level of humidity can be selected by adjusting the humidity control knob to the appropriate setting. Operation is then automatic.

The unit is supplied with a monitor box which is positioned on the outside of the dehumidified area. The monitor box incorporates indicator lamps which show:

- Power on
- Dehumidified running
- High Humidity Warning Lamp

The monitor box allows the operating status of the dehumidifier to be confirmed without needing to enter the dehumidified area.

SPECIAL FEATURES

Copper refrigeration circuit throughout for long life. Integral refrigerant compressor cut-off device. Hermetically sealed internal components minimises maintenance requirements. Stainless Steel fixings throughout.

Shock and vibration tested design in accordance with military transport requirements.

The SPP6A incorporates a secondary non-adjustable humidistat which is factory set at 60% RH. Should the relative humidity rise above this point, the high humidity warning lamp on the external monitor box will be switched on.

OPTIONAL FEATURES

- Stand available to raise unit above ground level.
- 3 metres of condensate tube and worm drive securing clip.
- Wall mounting kit.
- Hot gas defrost and condensate frost protection for low temperature operation.
- Voltage stabiliser pack.
- Paint finish to specification.

APPLICATIONS

The SPP6A dehumidifier is in use protecting the following:

- Stores
- Helicopters
- Fighting Vehicles
- Avionics
- Simulators
- Ammunition
- Military Aircraft
- Landing Vessels
- Radar Systems
- Aircraft Drop Tanks
- Marine Vessels
- Electrical Switch Gear
- Land Vehicles Stores
- Aircraft Engines

DEHUMIDIFIER SPECIFICATION

LENGTH:	447 mm
WIDTH:	340 mm
HEIGHT:	250 mm
WEIGHT:	(Typical) 28 kg
PAINT FINISH:	Light Grey
POWER SUPPLY:	240V + 10%/1pH/50HZ (others upon request)
POWER RATING:	250 - 300W
AIR FLOW:	250 m ³ /hr
CONSTRUCTION:	Welded 1.25 mm steel chassis and covers
PORTABILITY:	Two Folding Carrying Handles
POWER CABLE LENGTH:	10 Metres
WATER DRAINAGE:	12 mm outlet spigot
REFRIGERANT:	R134a

MONITOR BOX

3 NEON INDICATING LAMPS

LENGTH:	120mm
WIDTH:	80mm
DEPTH:	55mm
CONSTRUCTION:	ABS/Polycarbonate enclosure designed in accordance with IP65 standards.

For more information on military air conditioning systems contact:

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WATER EXTRACTION DUTY

TEMPERATURE °C	HUMIDITY %	WATER EXTRACTION (L/24HR)
0	70	0.6
10	70	1.8
20	70	3.5
30	70	5.2
40	70	7.0
55	40	7.0
44	95	12.0