



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 VPIP/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, while 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
- Dehumidifier 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 minimize maintenance requirements. Stainless Steel fixings throughout.

APPLICATIONS

The SPP6A dehumidifier is in use protecting the following:

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

SPECIFICATION DEHUMIDIFIER

LENGTH:	17.6" (447mm)
WIDTH:	13.4" (340mm)
HEIGHT:	9.84" (250mm)
WEIGHT:	62Lbs. (28kg)
PAINT FINISH:	Light Grey
POWER SUPPLY:	115 Volts/1Ph/60
POWER RATING:	250-300W
AIR FLOW:	147 CFM (230 M ³ /HR)
CONSTRUCTION:	Welded 1.25mm steel chassis and covers
PORTABILITY:	Two Folding Carrying Handles
POWER CABLE LENGTH:	33 Feet (10 Meters)
WATER DRAINAGE:	Outlet spigot .47" (12mm)
REFRIGERANT:	R134a

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

The SPP6A incorporates a secondary nonadjustable 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 meters of condensate tube and worm drive securing clip.

Wall mounting kit.

Hot gas defrost and condensate frost protection for low temperature operation.

Voltage stabilizer pack.

Paint finish to specification.

WATER EXTRACTION DUTY

TEMPERATURE °C	°F	HUMIDITY %	WATER EXTRACTION L/2HR	Ozs
0	32	70	0.6	.64
10	50	70	1.8	1.9
20	68	70	3.5	3.7
30	86	70	5.2	5.5
40	104	70	7.0	7.4
55	131	40	7.0	7.4
44	111	95	12.0	12.7

MONITOR BOX

3 NEON INDICATING LAMPS

LENGTH:	4.72" (120mm)
WIDTH:	3.15" (80mm)
DEPTH:	2.17" (55mm)

Ebac Limited are specialist designers and manufacturers of Military air conditioners. Systems are currently deployed with a number of defense agencies.

Ebac Limited have been successfully assessed to the following Quality Assurance Standards:
AQAP 1 ED. 3 REGISTRATION NO. 12P202 ISO 9001: 1987 / EN29001: 1987 / BS5750 PART 1: 1987

Ebac reserves the right to improve its product specification without prior notice.