

**Technical Data Sheet****1. Field of application**

Whenever the ambient temperature exceeds 25°C, use must be made of the air cooler AHP if the compressor is not fitted with a built-in after cooler. The air cooler is placed between the compressor and the CableJet / SuperJet and limits the temperature of the discharged compressed air to 10°C above ambient temperature.

2. Technical description

The air cooler AHP-400 consists of an air-air heat exchanger and a fan blowing the ambient air as a cooling medium. It comprises the following elements:

- a water separator with integrated filter
- a fan driven by a pneumatic motor fed from the main air duct
- the control system of the fan motor with on-off air valve
- an air conditioning unit for the air motor with water separator, pressure control knob, pressure gauge and drip feed lubricator
- 10 m of air hose, 1.1/2", with screwed connectors RD 55 x 1/6 at both ends

3. Technical Data

Max. Working pressure	12 bar	
Max. Air inlet temperature	100 °C	
Max. Air flow	12 m³/min	
Max. Pressure drop in the cooler	0,3 bar	
Air temperature at cooler outlet temperature	10 °C	above ambient
Air consumption of air motor	0,74 m³/min	at 4,2 bar
Max. air pressure at the motor	4,2 bar	(60 psi)

4. Dimensions & weights

Dimensions with water separator & connectors (LxWxH)	926 x 486 x 739 mm
Weight with water separator & connectors	50 kg
Weight of air hose (10 m)	6 kg
Connectors at both ends of hose	G 1.1/2" Rd 55x1/6

5. Protection against corrosion

Heat exchanger made of Aluminium alloy; supporting feet, protection grid, screws and bolts galvanised. Fan casing made of steel protected by oven hardened paint.

6. Maintenance

Maintenance can be made without special tools. Operation and maintenance manual with spare parts list is supplied with each cooler.

7. Compliance with regulations

Design and safety mechanisms conform to EC directive for Machinery no 89/392/CEE & annexes

8. Standard supply

Air cooler AHP 400 with air hose.

Clydesdale Ltd.

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