

## DESCRIPTION

VK24 Air Conditioning Unit has nominal cooling load 7kW. Main components of this unit are:

- two speed centrifugal fan with motor fixed with permanently lubricated bearings and features impedance overload protection;
- copper evaporator coil with mechanically bonded aluminium fins;
- shell and tube type condenser which is suitable for cooling by sea water (or plate type suitable for cooling by fresh water);
- high speed and hermetically sealed compressor which is resiliently mounted for quiet vibration-free operation and fitted internal overload;
- a washable filter which is situated behind the air intake grille;
- electrical panel which is located behind the right hand side panel and includes contractor, circuit breaker and mains connection block;
- controls – manually operated switch and thermostat at front of unit.

The unit can be fixed to a bulkhead by means of the M10 bolts incorporated at the rear of the unit. The brackets should be of robust design and capable of taking the unit weight of 135kg.

## TECHNICAL SPECIFICATION

Model		VK24
Nominal cooling load [kW]		7.00
Nominal air flow	Low [m <sup>3</sup> /h]	600
	Medium [m <sup>3</sup> /h]	800
	High [m <sup>3</sup> /h]	1000
Fan motor rating [kW]		0.074
Compressor motor power [kW]		2.89
Nominal water quantity [m <sup>3</sup> /h]		1.34
Dimensions [mm]	Height	550
	Width	1060
	Depth	380
Weight [kg]		130
Electric heating [kW]		3.0

Addition notes:

- sea water cooled shell and tube condenser;
- available with R404A, R407C, R134a refrigerants;
- zinc coated mild steel casing with powder coated paint finish RAL 9018 (grey);
- removable panels for access and maintenance;
- quick release grille for air filter cleaning and replacement;
- units supplied factory precharged only requiring suitable water and electrical connections;
- electric supply:
  - 110V 1ph 60Hz
  - 220V 1ph 50/60Hz
  - 380V 3ph 50Hz
  - 440V 3ph 60Hz



**DIMENSIONS**

