

Heavy Duty Chiller Range



AD.90C



BB.180HP

- Electrical connection via weather proof plug
- Pump and tank integral, or alongside.
- Very quiet
- Chilled water or heat pump operation
- High Pressure or Standard Pressure pumps
- Standard pallet truck movement
- Heat pump operation for most models
- Multi external water circuits

Cooling and Heating Solution's range of equipment:-

- | | | |
|---------------------------------------|-----------------------------|--------------------------|
| * Air Cooled Chillers | * Portable Air Conditioners | * dX Split Systems |
| * Commercial and Industrial Fan Coils | * Spot Coolers | * Air Handlers |
| * LPHW Boilers | * Portable Heaters | * Building Dryers |
| * Heat Exchangers | * Fans and Ventilators | * Fuel Tanks |
| * Pumps | * Dehumidifiers | * Temperature Monitoring |

Technical Specifications

		Model Reference	
		AD.90C	BB.180HP
Cooling Capacity	kW/hr @ UK AC Conditions	90	180
Heat Pump Capacity	kW/hr @ UK Av Winter Conditions	n/a	180
Power Input - 400/3/50	kW/hr Maximum Running	25	65
	5 Pin, Cee Form, Plug - Amps	63	125
Average Run Current per Phase	FLA	45+/-	90+/-
Average Start Current per Phase	FLA	80+/-	150+/-
Casing	Powder coated galvanized steel	Cream	Cream
Dimensions	Unpacked L x W x H mm	2900x1110 x1600	3800x1400 x1950
Weight	Dry - kg	750	1500
	Operating - kg	770	1530
Water Heat Exchanger	Type	Braze Plate	
	Water Flow Rate – Cooling litres/min	234	470
	Water Flow Rate – Heating litres/min	n/a	470
	Water Pressure Drop – kPa	34	33/38
	Cool/Heat		
	Insulation Material	Polyurethane Foam	
Air Heat Exchanger	Type	Copper Tube and Aluminium Fin	
Water Pump	Type	Air Cooled	
	Quantity	1 (integral)	3 (external)
	Nominal ESP kPa	45	45
Hydraulic Components	Water Filter pipe size -inches	2"	2"
	Safety Valve - Bar	n/a	n/a
	Buffer Tank - litres	n/a	n/a
Condenser Fan	Type	Radial	
	Quantity	3	3
	Motor Output - W	3 x 300	3 x 400
	Input/Discharge Direction	Horizontal Input/Vertical Discharge	
Compressor	Model	2 x Recip	3 x Scroll
Refrigerant Circuit	Refrigerant Type	R-22	R407C
	Charge - kg	2 x 11	3 x 17.5
	Control	Thermostatic Expansion Valve	
Sound Level	Sound Power - dBa	70	74
Safety Devices	All Models	High and Low Pressure Frige Switch, Frige Discharge Temperature Protector, Outlet Water Temperature Protection, Compressor Motor Overcurrent Relay, Pump Motor Overcurrent Relay, Fan Thermal Protector, Anti-recycling and Guard Timer, Reverse Phase Protector, Digital Display Controller, Electronic Water Temperature Control, Water Flow Switch.	



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