

## HEAVY DUTY CHILLER RANGE

AD.90C

BB.180HP

## COOLING AND HEATING SOLUTION'S RANGE OF EQUIPMENT:

- \* Air Cooled Heat Pump Chillers
- \* Commercial and Industrial Fan Coils
- \* LPHW Cast Iron Boilers
- \* Plate Heat Exchangers
- \* Water & Condensate Pumps
- \* Indirect Oil Fired Heaters
- \* Portable Air Conditioners
- \* Spot Coolers
- \* Portable Electric Heaters
- \* Fans and Ventilators
- \* Dehumidifiers
- \* Radiant Heaters
- \* dX Split Systems
- \* Air Handlers
- \* Building Dryers
- \* Bunded Fuel Tanks
- \* Road Certified Fuel Tanks
- \* Temperature Monitoring



COOLING & HEATING SOLUTIONS  
TEMPERATURE CONTROL SPECIALISTS

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## TECHNICAL INFORMATION;

		Model Reference	
		AD.90C	BB.180HP
<b>Cooling Capacity</b>	kW/hr @ UK AC Conditions	90	180
<b>Heat Pump Capacity</b>	kW/hr @ UK Av Winter Conditions	n/a	180
<b>Power Input - 400/3/50</b>	kW/hr Maximum Running	25	65
	5 Pin, Cee Form, Plug - Amps	63	125
<b>Average Run Current per Phase</b>	FLA	45+/-	90+/-
<b>Average Start Current per Phase</b>	FLA	80+/-	150+/-
<b>Casing</b>	Powder coated galvanized steel	Cream	Cream
<b>Dimensions</b>	Unpacked L x W x H mm	2900x1110 x1600	3800x1400 x1950
<b>Weight</b>	Dry - kg	750	1500
	Operating - kg	770	1530
<b>Water Heat Exchanger</b>	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	
<b>Air Heat Exchanger</b>	Type	Copper Tube and Aluminium Fin	
<b>Water Pump</b>	Type	Air Cooled	
	Quantity	1 (integral)	3 (external)
	Nominal ESP kPa	45	45
<b>Hydraulic Components</b>	Water Filter pipe size -inches	2"	2"
	Safety Valve - Bar	n/a	n/a
	Buffer Tank - litres	n/a	n/a
<b>Condenser Fan</b>	Type	Radial	
	Quantity	3	3
	Motor Output - W	3 x 300	3 x 400
	Input/Discharge Direction	Horizontal Input/Vertical Discharge	
<b>Compressor</b>	Model	2 x Recip	3 x Scroll
<b>Refrigerant Circuit</b>	Refrigerant Type	R-22	R407C
	Charge - kg	2 x 11	3 x 17.5
	Control	Thermostatic Expansion Valve	
<b>Sound Level</b>	Sound Power - dBa	70	74
<b>Safety Devices</b>	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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