

# INTERMEDIATE CHILLER RANGE

D.15HP (400V) & D.45HP



C.30C



BB.40C & 60HP



AD.60HP

## 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					
		D.15HP (400V)	C.30C	D.45HP	BB.40C	BB.60HP	AD.60HP
		EUWYN5KBZW1		EUWYN12KBZW1			ECL202H
<b>Cooling Capacity</b>	kW/hr @ UK AC Conditions	15.0+/-	30.0+/-	45.0+/-	40+/-	60+/-	60+/-
<b>Heat Pump Capacity</b>	kW/hr @ UK Av Winter Conditions	15.0+/-	n/a	45.0+/-	n/a	60+/-	60+/-
<b>Power Input - 400/3/50</b>	kW/hr Maximum Running	4.48	11.4	11.4	16	18	14.28
	5 Pin, Cee Form, Plug - Amps	32	32	32	32	63	63
<b>Average Run Current per Phase</b>	Full Load Amps	7+/-	15+/-	15+/-	20+/-	30+/-	25+/-
<b>Average Start Current per Phase</b>	Full Load Amps	22+/-	45+/-	45+/-	60+/-	90+/-	50+/-
<b>Casing</b>	Polyester coated galvanized steel	Grey RAL 7044	Ivory White	Grey RAL 7044	Grey	Green PVC cover	Cream
<b>Dimensions</b>	Unpacked L x W x H mm	1310x780x1350	1300x750x1350	1310x780x1560	1540x520 x1300	1700x910 x1650	1450 x 750 x 1750
<b>Weight</b>	Dry - kg	150	320	248	300	650	358
	Operating - kg	152	345	251	390	740	448
<b>Water Heat Exchanger</b>	Type	Brazen Plate					
	Water Flow Rate – Cooling litres/min	36.0	78.0	72.0	84	150	117
	Water Flow Rate – Heating litres/min	38.0	n/a	77.0	n/a	150	130
	Water Pressure Drop – kPa Cool/Heat Insulation Material	24	34	33/38	34	33/38	62/77
		Polyurethane Foam					
<b>Air Heat Exchanger</b>	Type	Copper Tube and Aluminium Fin					
<b>Water Pump</b>	Type	Air Cooled					
	Quantity	1 (external)	1 (external)	1 (external)	1 (integral)	1 (integral)	1 (external)
	Nominal ESP kPa	45.1	38.3	45.1	45	45	45.1
<b>Hydraulic Components</b>	Water Filter pipe size -inches	1"	1 ¼ "	1 ¼ "	1 ¼ "	1 ¼ "	1 ¼ "
	Safety Valve - Bar	3	n/a	3	n/a	n/a	n/a
	Buffer Tank - litres	30 (external)	30 (internal)	30 (external)	90	90	n/a
<b>Condenser Fan</b>	Type	Radial					
	Quantity	2	1	2	1	2	2
	Motor Input - W	2 x 140	1 x 200	2 x 190	1 x 250	2 x 200	2 x 200
	Input/Discharge Direction	Horizontal Input/ Vertical Discharge	Horizontal Rear to Front	Horizontal Input/ Vertical Discharge	Horizontal/ Vertical	Horizontal/ Vertical	Horizontal Input/ Vertical Discharge
<b>Compressor</b>	Model	1 x Scroll	1 x Scroll	1 x Scroll	1 x Recip	1 x Scroll	2 x Scroll
<b>Refrigerant Circuit</b>	Refrigerant Type	R-407C	R-22	R-407C	R-22	R-22	R410A
	Charge - kg	3.9	5.8	5.4	1 x 5.5	1 x 9.2	1 x 17
	Control	Thermostatic Expansion Valve					
<b>Sound Level</b>	Sound Power - dBa	67	74	78	71	67	46
<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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