

# EESCO HIGH TEMPERATURE WATER EVAPORATOR HEAT PUMP RANGE



## SPECIFICATIONS



## R134 A - HIGH TEMPERATURE / (+80°C)

		WE 60H	WE100 H	WE135 H	WE 200 H	WE 275 H	WE 400 H	WE 600 H
Power Supply -400 V/ 3 PHASE	A	32	40	63	100	125	160	250
Heating Capacity @ 30°C ambient	kw	<b>63</b>	<b>100</b>	<b>139</b>	<b>200</b>	<b>278</b>	<b>417</b>	<b>603</b>
Heating Capacity @ 8°C ambient	kw	28	46	64	92	128	192	280
Max recommended Hot storage	KL	4	7	10	15	20	30	40
Maximum current draw (R.L.A)	A	25	35	50	70	105	150	210
Maximum water temperature	°C	80	80	80	80	80	80	80
Design optimum temperature	°C	60	60	60	60	60	60	60
Controller - Eliwel PLC	Model	AVD 6200	AVD 8400	AVD 8400	AVD 12600	AVD 12600	AVD 12600	AVD 12600
Oil pressure safety	Switch	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Electronic oil management	System	No	No	No	Yes	Yes	Yes	Yes
Liquid refrigerant receiver	L	30	40	50	60	80	100	150
Capacity Control - Unloaders	U/L	1 x U/L	1 x U/L	1 x U/L	2 x U/L	2 x U/L	3 x U/L	3 x U/L
*Running input power	kW	13.7	20.6	28.8	41.2	57	85	119.4
*Operating C.O.P		<b>4.6</b>	<b>4.9</b>	<b>4.8</b>	<b>4.9</b>	<b>4.9</b>	<b>4.9</b>	<b>5.1</b>
**Hot water delivery rate	L/MIN	1 350	2 150	3 000	4 350	6 000	9 000	13 000
Dimensions: L x W x Height	Meters	2.4 x 1 x1.8	2.4 x 1 x1.8	2.4 x 1 x1.8	3 x 1 x1.8	3 x 1 x1.8	3.6 x 1 x1.8	3.6 x 1 x1.8
Weight	Kg	342	385	415	465	650	960	1020
Compressor	Model	4PES-15Y	4HE-25Y	4FE-35Y	2 X 4HE-25Y	2 X 4FE-35Y	3 X 4FE-35Y	3 X 6FE-50Y
Heat Exchanger (Condenser)	Type	Brazed Plate						
Sub-Cooling Circuit - 20k	Type	Brazed Plate						
Water flow control	Type	Variable speed water pump						
Water Pump	Make	Wilo Stratos						
Evaporator - Water / Refrigerant	Type	Shell & Tube / Brazed Plate						
Dry coil (water - air heat exchanger)	Type	Copper air coil c/w aluminium fins						
**Dry Coil Fans	Type	Axial 500mm / 630mm / EBM / Ziehl						
Evaporator Defrost	Type	Passive						
Expansion valves	Type	Electronic / AKV						

\*\*Test conditions: ambient @ +30°C DB/25°C WB (DryCoil) | Water Inlet temperature @ 15°C and outlet @ 65°C | C.O.P calculation includes Dry coils input | No Heat reclaim included in calculations