

# EESCO STANDARD TEMPERATURE WATER EVAPORATOR HEAT PUMP RANGE



## SPECIFICATIONS



## R407C - STANDARD TEMPERATURE (+60°C)

		WE 60	WE 100	WE 135	WE 200	WE 275	WE 400	WE 600
Power Supply -400 V/ 3 PHASE	A	40	63	80	125	160	200	300
Heating Capacity @ 20°C ambient	kw	<b>60</b>	<b>100</b>	<b>138</b>	<b>200</b>	<b>276</b>	<b>414</b>	<b>603</b>
Heating Capacity @ 8°C ambient	kw	41	69	96	138	192	288	422
Max recommended Hot storage	KL	6	10	15	20	30	40	60
Maximum current draw (R.L.A)	A	30	45	60	85	120	178	260
Maximum water temperature	°C	60	60	60	60	60	60	60
Design optimum temperature	°C	56	56	56	56	56	56	56
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	40	50	60	80	100	120	160
Capacity Control - Unloaders	Qty	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	15.5	25.2	35	50	69.7	103	147
**Operating C.O.P		<b>3.9</b>	<b>4.0</b>	<b>3.9</b>	<b>4.0</b>	<b>4.0</b>	<b>4.0</b>	<b>4.1</b>
** Hot water delivery rate	L/H	1450	2400	3300	4800	6500	9900	14400
Dimensions: L x W x Height	Meters	2.4 x 1 x 1.8	2.4 x 1 x 1.8	2.4 x 1 x 1.8	3 x 1 x 1.8	3 x 1 x 1.8	3.6 x 1 x 1.8	3.6 x 1 x 1.8
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 6 FE-50Y
Condenser / Heat Exchanger	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 alluminium fins						
**Dry Coil Fans	Type	Axial 500mm / 630mm / EBM / Ziehl						
Evaporator Defrost	Type	Passive						
Expansion valves	Type	Electronic Danfoss						

\*\*Test conditions: ambient @ +20°C DB/15°C WB (Air Coil) | Water Inlet temperature @ 15°C and outlet @ 56°C | C.O.P calculation includes Dry coils input | No Heat reclaim included in calculations