

COMMERCIAL SERIES : DHW HEAT PUMP

DHW - AEROTHERMAL HEAT PUMP

Features



Wired control
with weekly
timer and
auto-diagnosis



Main Features

Aerothermal DHW (Domestic Hot Water) Heat Pump Features:

- Produces domestic hot water up to 65°C in HP mode;
- Easy installation in a cabinet (600mm x 600mm);
- 160 liters capacity;
- It complies with the Energy regulations for housing;
- AISI 444 stainless steel water heater;
- Absolute silence inside the room;
- Domestic hot water in less than 3 hours;
- Up to 20 m between the indoor and outdoor units;
- Up to 75% of savings;
- Condenser outside the tank.

Up To 75% Of Savings

Thanks to the Coolwell aerothermal DHW heat pump, you will notice the savings from minute 0.



Unit code		Daria 160	
Power supply		F-V-Hz	Monophase 220-240V 50Hz
Features	Capacity	l	160
	COP (1)		3.75
	COP (2)		3.26
	Energy class		A+
	Energy efficiency	%	135
	Consumption per year	kWh/year	759
	Electric battery	KW	1.5
Indoor unit (Accumulator)	Capacity (liters of water)	l	160
	Dimensions (L-P-A)	mm	530x550x1150
	Net weight		47
	Refrigerant connections	Ø inches (mm)	¼" (6.35) / ⅜" (9.52)
	Hydraulic connections	Ø inches	1/2" F
Outdoor unit	Dimensions (L-P-A)	mm	802x286x598
	Net weight	Kg	33
	Max. distance (between accumulator and outdoor unit)	m	20
	Max. height difference (between accumulator and outdoor unit)	m	10
	Air flow	m³/h	1.3
	Sound pressure	dB	59
	Conexiones Frigoríficas	Ø inches (mm)	¼" (6.35) / ⅜" (9.52)
	Refrigerant		R134A
	Refrigerant charge	kg	1.6
	Temperature limits	°C	-14 / 43

1.- COP: A14 / Δt 35 °C, EN16147
2.- COP: A14 / W54, EN16147

DHW - AEROTHERMAL HEAT PUMP

Unit code			Daria 250 I	Daria 300 I	Daria 500 I
Power supply		F-V-Hz	Monophase 220-240V 50Hz		
Accumulator Features	Capacity	l	250	300	500
	COP		3.35	3.44	3.48
	Thermoaccumulator material		Stainless steel		
	Energy class		A+	A+	A+
	Energy efficiency	%	139.3	143.2	139
	Consumption per year	kWh/year	1203	1170	1549
	Electric battery	KW	1500	1500	2200
Indoor unit (Accumulator)	Hot water quantity at 40 °C	l	323	362	572
	Dimensions (Ø -A)	mm	580 x 1530	650 x 1390	650 x 1990
	Net weight	Kg	62	72	110
	Refrigerant connections	Ø inches (mm)	¼" (6.35) / ⅜" (9.52)		
	Hydraulic connections: inlet, outlet, recirculation	Ø inches	3/4M, 3/4M, 3/4M	3/4M, 3/4M, 3/4M	1M, 1M, 3/4M
Outdoor unit	Dimensions (L-P-A)	mm	776 x 241 x 546	776 x 241 x 546	776 x 241 x 546
	Net weight	Kg	33	33	33
	Max. distance (between accumulator and outdoor unit)	m	20	20	20
	Max. height difference (between accumulator and outdoor unit)	m	10	10	10
	Air flow	m³/h	1300	1300	1300
	Sound pressure	dB	59	59	59
	Refrigerant connections	Ø inches (mm)	¼" (6.35) / ⅜" (9.52)		
	Refrigerant		R134A	R134A	R134A
	Refrigerant charge	kg	1600	1600	1600
	Temperature limits	°C	-14 / 43	-14 / 43	-14 / 43

Unit code			Daria 250 IX	Daria 300 IX	Daria 500 IX
Power supply		F-V-Hz	Monophase 220-240V 50Hz		
Accumulator Features	Capacity	l	250	300	500
	COP		3.35	3.44	3.48
	Thermoaccumulator material		Stainless steel		
	Energy class		A+	A+	A+
	Energy efficiency	%	139.3	143.2	139
	Consumption per year	kWh/año	1203	1170	1549
	Electric battery	KW	1500	1500	2200
Indoor unit (Accumulator)	Coil power (thermal)	KW	20	20	54
	Hot water quantity at 40 °C	l	323	362	572
	Dimensions (Ø -A)	mm	580 x 1530	650 x 1390	650 x 1990
	Net weight	Kg	62	72	110
	Refrigerant connections	Ø inches (mm)	¼" (6.35) / ⅜" (9.52)		
Outdoor unit	Hydraulic connections: inlet, outlet, recirculation, valv and battery	Ø inches	3/4M, 3/4M, 3/4M, 1/2H, 1M	3/4M, 3/4M, 3/4M, 1/2H, 1M	1M, 1M, 3/4M, 1/2H, 1M
	Dimensions (L-P-A)	mm	776 x 241 x 546	776 x 241 x 546	776 x 241 x 546
	Net weight	Kg	33	33	33
	Max. distance (between accumulator and outdoor unit)	m	20	20	20
	Max. height difference (between accumulator and outdoor unit)	m	10	10	10
	Air flow	m³/h	1300	1300	1300
	Sound pressure	dB	59	59	59
	Refrigerant connections	Ø inches (mm)	¼" (6.35) / ⅜" (9.52)		
	Refrigerant		R134A	R134A	R134A
	Refrigerant charge	kg	1600	1600	1600
Temperature limits	°C	-14 / 43	-14 / 43	-14 / 43	