

HEAT PUMPS

FAIRLAND PIONEER HORIZONTAL



The advantages that make all the difference

HP-Booster

HP-Booster technology allows precise regulation of the gas flow to maintain a constant gas pressure irrespective of the climatic conditions.

HP-Booster technology improves the COP by up to 20% and provides optimum operating conditions for the compressor, so increasing its service life.

Defrosting by cycle inversion

Allows the heat pump to operate at very low temperatures (down to 0°C), much more rapid and efficient than other defrosting systems (Stop the compressor, etc.).

Reversible heat pumps

All Fairland Pioneer heat pumps are reversible as standard. They may be used to heat, or to cool, pool water. This feature is particularly useful for maintaining comfortable water temperatures in pools in very warm climates, and in pools covered with a shelter during the summer.

Thermoformed casing

Fairland Pioneer heat pump casings are made of corrosion resistant, thermoformed ABS.

Soft start

Due to the amount of current drawn by the Fairland pH 60 during start-up, this model is

fitted with an acceleration ramp to limit the current draw (Soft Start).



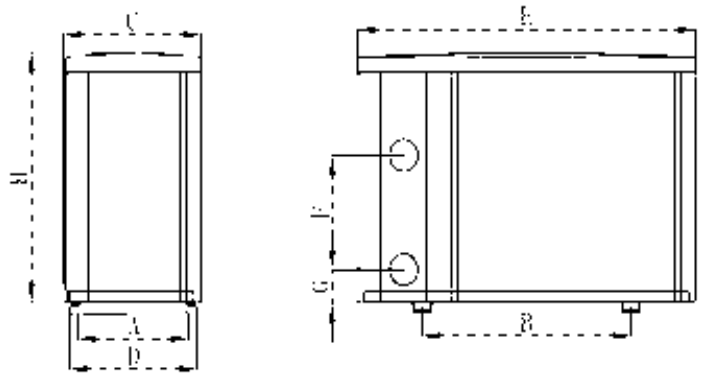
Step into the warmth



Climexel
by PROCOPI

DIMENSIONS

	A	B	C	D	E	F	G	H
PH18L	234	429	312	278	800	220	76	558
PH25L	234	590	312	278	961	280	77	658
PH35L	313	590	392	357	961	310	77	658
PH50L	313	590	392	357	961	380	77	758
PH60L	313	720	391	357	1092	600	77	958
PH60Ls	313	720	391	357	1092	600	77	958
PH80Ls	424	790	496	468	1161	620	77	958
PH120Ls	454	1012	488	484	1384	780	84	1388
PH150Ls	454	1012	488	484	1384	780	84	1388



TECHNICAL DATA

Model	PH18L	PH25L	PH35L	PH50L	PH60L	PH60LS	PH80LS	PH120LS	PH150LS	
Classification according to the F.P.P. index	B	B	B	B	B	B	A	A	A	
Heating capacity, Air temp 26° C, Water temp 26° C	7.50	10.00	13.50	17.50	25.00	25.00	33.00	45.00	60.00	
Certified heating capacity, Air temp 15° C, Water temp 26° C	4.79	6.60	9.85	11.42	15.36	16.00	22.20	29.40	40.10	
Cooling capacity, Air temp 35° C, Water temp 28° C	4.3	6	8	10	15	15	20	27.0	36.0	
Certified power consumption (kW)	1.06	1.42	2.06	2.44	3.42	3.50	4.30	5.83	7.94	
Coefficient of performance (C.O.P.) certified at 15°	4.52	4.64	4.78	4.68	4.49	4.60	5.16	5.04	5.05	
Recommended pool water volume*	31	43	64	74	105	105	144	190	260	
Recommended water flow rate (m³/h)	3 to 4	4 to 6	5 to 7	6.5 to 8.5	7 to 9	7 to 9	10 to 12	15 to 20	20 to 25	
Nominal current (A)	5.00	6.50	9.50	11.40	14.70	5.50	9.20	11.20	15.20	
Power supply (V)	230 Volts / 1ph / 50 Hertz					400 Volts / 3PH / 50 Hertz				
Power cable cross section (mm²)	3 x 2.5	3 x 2.5	3 x 2.5	3 x 4.0	3 x 4.0	5 x 2.5	5 x 2.5	5 x 2.5	5 x 4.0	
Electrical protection	6 A	10 A	10 A	16 A	16 A	6 A	16 A	16 A	25 A	
Compressor type	Rotary - R 410A					Scroll - R 410A				
Number of fans	1							2		
Certified acoustic power, in dB(A)	61.10	61.80	65.70	68.40	69.50	69.40	69.50	72.90	79.60	
Net weight / gross weight (Kg)	40/47	50/59	68/77	78/88	105/117	105/117	130/147	215/232	225/242	
Refrigerant weight per machine (Kg)	0.90	1.15	1.70	1.90	2.50	2.50	3.20	5.80	6.30	

Wiring

The connection box is easy to access. Remote installed control boxes with a 10 metre electrical cable are available as an option for Fairland Pioneer heat pumps.

Accessories

A protective winter cover and 4 vibration damping pads. (Except for the PH120Ls and PH150Ls models)



Guarantees

Fairland Pioneer horizontal heat pumps are covered by a 5 year guarantee on the titanium heat exchanger and a 2 year guarantee on the compressor and other components. Repairs carried out under this guarantee are made in the factory.

An additional 2 year guarantee covering repairs on site is available as an option (the compressor is excluded).



NOTE: The heating capacity at 15°C and the COP were measured and certified by the TÜV Rheinland (the German standardisation body) in accordance with the European standard EN 14511-2011 and DTP No.10 issued by the «Fédération des Professionnels de la Piscine (F.P.P.)» (French federation of pool professionals) . The acoustic power was measured and certified by the CVC, in accordance with the European standard EN 12102 dated 2008 and also DTP no.10 issued by the Directive Technique n°10 de la «Fédération des Professionnels de la Piscine (F.P.P.)» (French federation of pool professionals). The acoustic power and heating power test reports are available for each of the Fairland Pioneer heat pumps on our internet site procopi.com.

* The values shown are valid under the following operating conditions: Ambient air temperature 15°C, Water temperature 25°C, pool covered with an isothermal cover at night, filtration system running at least 15 hours per day during the heating season.

Dealer's stamp:

