

# OWNER/INSTALLATION MANUAL

## 8.0 DATASHEETS

MODEL	UNITS	HPP-i 8	HPP-i 12	HPP-i 16
<b>PERFORMANCE CONDITION: Air 27°C/Water 27°C/RH 80%</b>				
Heating capacity	kW	9.5	13.0	20.0
COP range		13.2-5.4	13.5-5.6	13.5-5.7
Average COP at 50% Speed		8.9	9.7	9.3
<b>PERFORMANCE CONDITION: Air 15°C/Water 26°C/RH 70%</b>				
Heating capacity	kW	7.0	9.5	13.5
COP range		6.9-4.2	7.0-4.0	7.0-4.2
Average COP at 50% Speed		6.3	6.1	6.3
<b>PERFORMANCE CONDITION: Air 35°C/Water 28°C/RH 80%</b>				
Cooling capacity (kW)		3.9	5.2	7.4
<b>TECHNICAL SPECIFICATIONS</b>				
Operating air temperature	°C	-5°C to 43°C		
Water heat temperature set range	°C	18°C to 40°C		
Water cool temperature set range	°C	12°C to 30°C		
<b>POWER SUPPLY</b>		230V Single Phase 50Hz		
Rated input power	kW	0.3-1.79	0.40-2.38	0.57-3.21
Rated input current	A	1.38-7.58	1.82-10.8	2.60-14.61
Maximum input current	A	9.5	12.5	19.5
Rated RCD type F	mA	30	30	30
Rated Fuse aM / MCB type C	A	16	16	25
Sound pressure level at 10m	dB(A)	19.6-31.5	21.9-32.0	24.3-36.1
Recommended water flow rate	m <sup>3</sup> /h	3.0-5.0	4.0-6.0	7.0-10.0
Pressure drop	m/kPa	0.36/3.5	0.41/4.0	0.56/5.5
Pool water connections	Inches	1½" or 50mm Female		
<b>GENERAL DATA</b>				
Net dimensions (w x d x h)	mm	864 x 359 x 648	864 x 359 x 648	954 x 359 x 748
Packed dimensions (w x d x h)	mm	950 x 375 x 675	950 x 375 x 675	1040 x 375 x 775
Net weight	kg	47	49	68
<b>HERMETIC SYSTEM</b>				
Refrigerant charge R32	kg	0.6	0.9	1.1
Minimum area requirement	m <sup>2</sup>	3.1	6.9	10.3

NOTES: Heat pump performance parameters are subject to change without notice. Always refer to the nameplate. Global warming potential (GWP) R32 - 675.

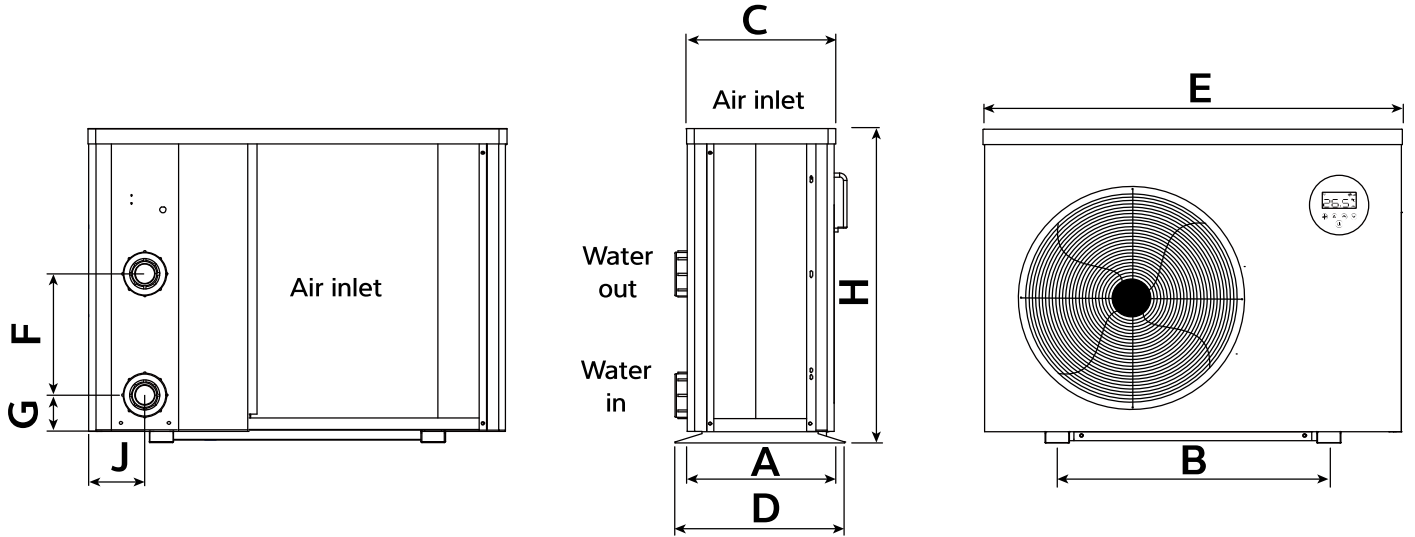
The data is subject to modification without prior warning.

MODEL	UNITS	HPP-i 18	HPP-i 24	HPP-i 30
<b>PERFORMANCE CONDITION: Air 27°C/Water 27°C/RH 80%</b>				
Heating capacity	kW	21.0	27.5	36.0
COP range		14.8-6.4	15.0-6.8	14.8-6.0
Average COP at 50% Speed		10.3	10.3	10.2
<b>PERFORMANCE CONDITION: Air 15°C/Water 26°C/RH 70%</b>				
Heating capacity	kW	14.5	18.0	23.9
COP range		7.1-4.6	7.5-4.6	7.5-4.6
Average COP at 50% Speed		6.3	6.3	6.3
<b>PERFORMANCE CONDITION: Air 35°C/Water 28°C/RH 80%</b>				
Cooling capacity	kW	9.5	11.9	16.0
<b>TECHNICAL SPECIFICATIONS</b>				
Operating air temperature	°C	-10°C to 43°C		
Water heat temperature set range	°C	18°C to 40°C		
Water cool temperature set range	°C	12°C to 30°C		
<b>POWER SUPPLY</b>		400V Three Phase 50Hz		
Rated input power	kW	0.41-3.15	0.48-3.91	0.64-5.20
Rated input current	A	0.59-4.56	0.69-5.66	0.92-7.53
Maximum input current	A	5.8	7	9.5
Rated RCD type B	mA	30	30	30
Rated Fuse aM / MCB type C	A	10	10	16
Sound pressure level at 10m	dB(A)	20.4-33.7	23.0-34.4	22.1-34.2
Recommended water flow rate	m <sup>3</sup> /h	8.0-10.0	10.0-12.0	12.0-18.0
Pressure drop	m/kPa	0.61/6.0	0.77/7.5	0.85/8.5
Pool water connections	Inches	1½" or 50mm Female		
<b>GENERAL DATA</b>				
Net dimensions (w x d x h)	mm	954x429x755	1084x429x948	1154x539x948
Packed dimensions (w x d x h)	mm	1040x445x655	1130x445x985	1200x555x985
Net weight	kg	68	93	120
<b>HERMETIC SYSEM</b>				
Refrigerant charge R32	kg	1.2	2.0	2.7
Minimum area requirement	m <sup>2</sup>	12.3	34.0	62.0

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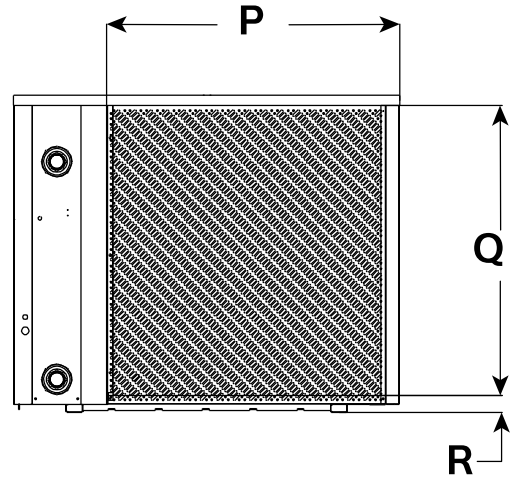
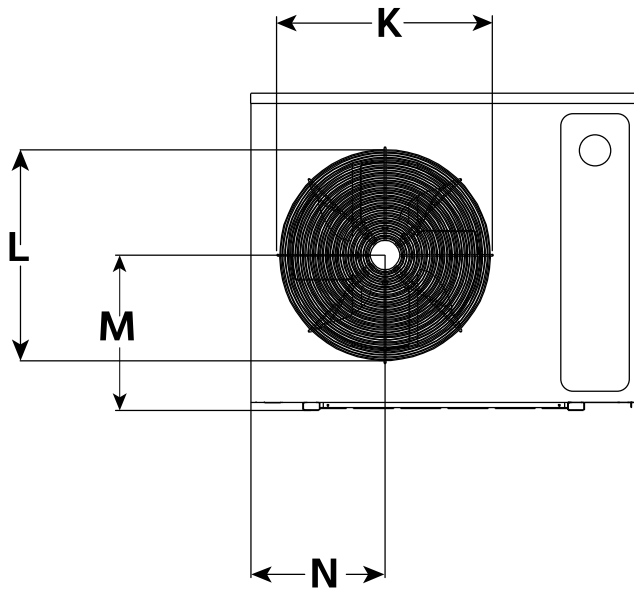
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## 9.0 DIMENSIONS



	A	B	C	D	E	F	G	H	J
<b>HPP-i 8</b>	334	560	318	359	864	250	74	648	116
<b>HPP-i 12</b>	334	560	318	359	864	290	74	648	116
<b>HPP-i 16</b>	334	590	318	359	954	390	74	748	116
<b>HPP-i 18 (3 Ph)</b>	404	590	388	429	954	460	74	755	107
<b>HPP-i 24 (3 Ph)</b>	404	720	388	429	1084	620	74	948	107
<b>HPP-i 30 (3 Ph)</b>	514	790	498	539	1154	650	74	948	128

## 9.1 DIMENSIONS



	<b>K</b>	<b>L</b>	<b>M</b>	<b>N</b>	<b>P</b>	<b>Q</b>	<b>R</b>
<b>HPP-i 8</b>	478	465	285	288	533	565	50
<b>HPP-i 12</b>	478	465	285	288	630	565	50
<b>HPP-i 16</b>	478	465	349	315	675	666	50
<b>HPP-i 18 (3 Ph)</b>	587	540	370	349	731	667	50
<b>HPP-i 24 (3 Ph)</b>	645	640	462	405	799	861	50
<b>HPP-i 30 (3 Ph)</b>	645	630	462	400	876	866	50