











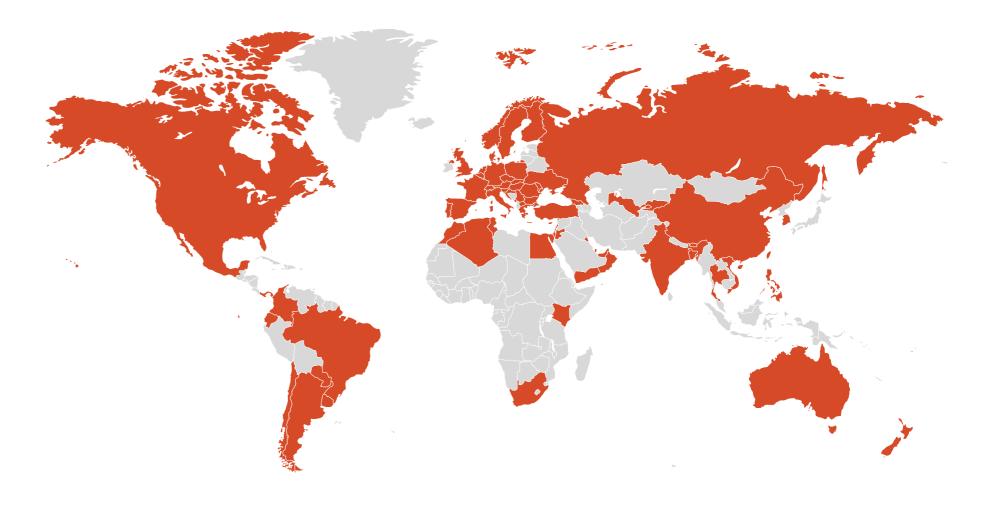
FAIRLAND®

20x Saving iGarden

FAIRLAND is committed to promoting technological outdoor life. Since its establishment in 1999, it has continuously innovated technological products and solutions for iGarden such as Full-inverter swimming pool heat pumps and Al-wireless pool robots, reshaping people's outdoor lifestyles. Fairland will work with global partners to open up the era of outdoor technology, making the beauty of technology beyond imagination.

HISTORY-BEYOND THE LIMITS

Established the Heat pump production base. 1999 Fairland brand was registered. 2001 2005 Fairland pool heat pump was launched. The 1st company to develop Full-inverter technology 2011 2012 HP-booster technology launched, increasing 30% efficiency for the industry 2014 The Full-inverter market trial started. 2016 Full-inverter pool heat pump certified by TÜV Rheinland and launched in Europe and Australia. 2018 Full-inverter heat pump became mainstream in the market 2019 The revolutionary TurboSilence Full-inverter Technology launched. 2020 TurboSilence Full-inverter led the market trend 2022/2023 InverX20 launched, COP 20+ redefine industry standard



120+ Countries

























Full-inverter Technology







Up to 20 20% Extra Heating 0 Compressor

The TurboSilence® 20 is optimized based on Fairland TurboSilence Full-inverter technology. It perfectly matches the inverter compressors, and extreme 3D titanium heat exchanging tech to maximize COP performance with the efficiency increased by 30%.

Turbo: 120% Heating Capacity Quickly heating to reach the desired pool temperature

Silence: Intelligent adjustment when maintaining temperature 30% heating capacity on average to maintain the desired temperature with less noise and 20 times energy saving.

20x Energy Saving – COP20

20x Energy Saving

1kW Input = **20kW** Output Max 1kW Input = **15kW** Output Average

20x Quieter Than On/Off

Sound Pressure Lower to **38.5 dB**(A)

The compressor and the fan work at a very low speed when maintaining the temperature, reducing the noise level to around 38.5 dB(A) at 1m

Warm Your Pool at -20°C

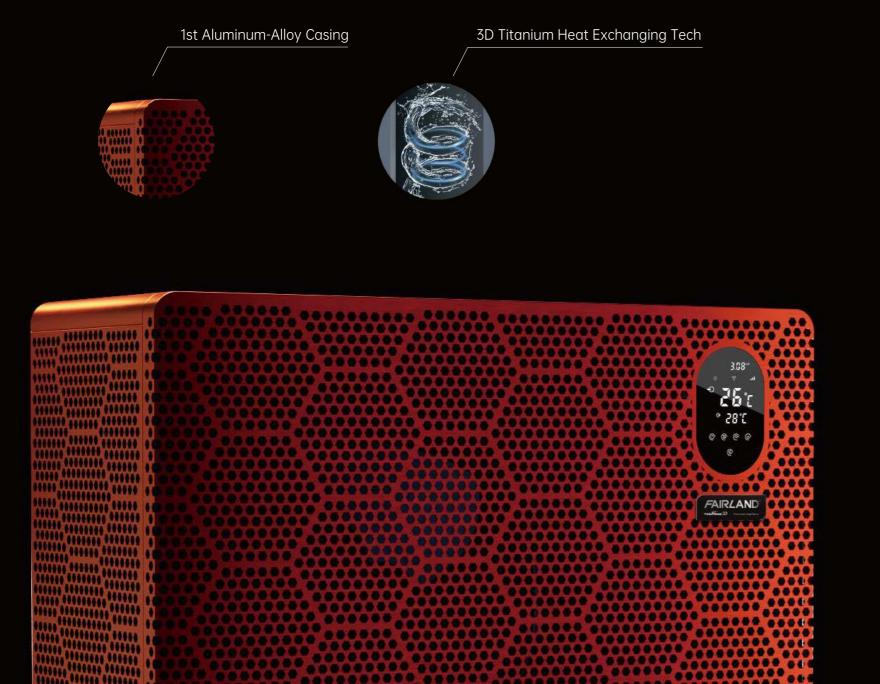
Operating at Extreme Temperature -20°C

; -20℃

 43°c









Advised pool volume (m) 18-35	Model	X20-09	X20-11	X20-14	X20-16	X20-18	X20-22	X20-26	X20-26T	X20-32	X20-32T	X20-40T
Performance Condition: Air 26°C, Water 26°C, Humidify 20°C 115. 14.0 16.5 18.5 18.5 19.0 18.5 18.5 19.0 19.5 19.5 19.5 19.5 19.5 19.5 19.5 19.5	Advised pool volume (m³)	18~35	25~40	30~50	35~60	40~65	45~75	55~90	55~90	65~105	65~105	75~120
Heating capacity (W) in Turbanoide 9.5 11.5 14.0 16.5 18.5 22.0 22.5	Operating air temperature (°C)						20~43					
Peterling capacity (kW) in Smart mode	Performance Condition: Air 26°C, Water 26°C	, Humidity 80%										
COP ot 50% capacity 14.6 15.0 15.2 15.1 14.8 15.3 15.2 15.1 14.8 15.3 15.2 15.2 15.1 15.1 15.1 15.0 15.0 15.0 15.0 15.2 15.1 14.8 15.3 15.2 15.2 15.1 15.1 15.1 15.0 15.0 15.0 15.0 15.0	Heating capacity (kW) in Turbo mode	9.5	11.5	14.0	16.5	18.5	22.0	26.5	26.5	32.0	32.0	40.0
COP at 50% capacity 14.6 15.0 15.2 15.1 14.8 15.3 15.2 15.2 15.1 14.8 15.3 15.2 15.2 15.1 15.0 20.0 18.5 20.2 22.3 20.0 20.0 20.0 18.5 18.5 18.5 20.0 20.0 20.0 18.5 18.5 18.5 20.0 20.0 20.0 18.5<	Heating capacity (kW) in Smart mode	8.0	9.0	12.0	14.0	15.4	18.0	22.5	22.5	27.5	27.5	35.0
CPOP of 20% coppority 19.5 20.2 20.0 20.5 21.0 21.0 21.0 20.	COP	19.5~7.3	20.2~7.6	20.0~7.8	20.5~7.4	19.6~7.2	21~7.4	20.7~7.5	20.5~7.4	20.0~7.3	20.0~7.3	20.1~7.3
Performance Condition: Air 15°C, Woter 26°C, Humidity 70°S Heating capacity (W) in Turbo mode	COP at 50% capacity	14.6	15.0	15.2	15.1	14.8	15.3	15.2	15.2	15.1	15.1	15.0
Heating capacity (kW) in Turbo mode 6.5 7.7 9.2 11.0 12.5 14.8 18.2 18.2 22.3 22.3 22.3 22.5 18.6 Heating capacity (kW) in Smart mode 5.4 6.4 7.5 9.2 10.4 12.5 15.0 15.0 15.0 18.5 18.5 24.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 1	COP at 20% capacity	19.5	20.2	20.0	20.5	19.6	21.0	20.7	20.5	20.0	20.0	20.1
Heating capacity (kW) in Smart mode 8.4 6.4 7.5 9.2 10.4 12.5 15.0 15.0 15.0 18.5 18.5 24.0 kg capacity (kW) in Smart mode 8.0-52 8.7-56 8.1-54 9.0-5.3 8.2-51 9.0-5.4 9.5-55 9.3-5.5 8.3-5.4 8.3-5.4 8.2-5.0 capacity 7.2 7.5 7.3 7.3 7.3 7.6 8.0 8.0 8.0 8.0 7.6 7.6 7.5 7.5 7.5 7.5 7.5 7.3 7.3 7.6 8.0 8.0 8.0 8.0 7.6 7.6 7.5 7.5 7.5 7.5 7.5 7.5 7.3 7.3 7.6 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	Performance Condition: Air 15°C, Water 26°C,	, Humidity 70%										
COP of 50% copocity 7.2 8.7-56 8.1-54 9.0-5.3 8.2-51 9.0-54 9.5-5 9.3-55 8.3-54 8.3-54 8.2-51 0.0-14	Heating capacity (kW) in Turbo mode	6.5	7.7	9.2	11.0	12.5	14.8	18.2	18.2	22.3	22.3	28.5
COP of 50% capacity 7.2 7.5 7.3 7.3 7.7 7.3 7.6 8.0 8.0 8.0 7.6 7.6 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	Heating capacity (kW) in Smart mode	5.4	6.4	7.5	9.2	10.4	12.5	15.0	15.0	18.5	18.5	24.0
Royal Commoning Condition: Air 7°C, Water 26°C, Wate	COP	8.0~5.2	8.7~5.6	8.1~5.4	9.0~5.3	8.2~5.1	9.0~5.4	9.5~5.5	9.3~5.5	8.3~5.4	8.3~5.4	8.2~5.0
Performance Condition: Air 7°C, Water 26°C, Humidity 90% Heating capacity(kW) in Turbo mode 5.0 6.6 7.4 9.2 10.5 11.8 15.5 15.5 17.8 17.8 22.8 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	COP at 50% capacity	7.2	7.5	7.3	7.7	7.3	7.6	8.0	8.0	7.6	7.6	7.5
Heating capacity(kW) in Turbo mode 5.0 6.6 7.4 9.2 10.5 11.8 15.5 15.5 17.8 17.8 17.8 22.8 10.0 10.0 11.8 15.5 15.5 17.8 17.8 17.8 22.8 10.0 10.0 10.0 10.0 10.0 10.8 17.8 17.8 22.8 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	COP at 20% capacity	8.0	8.7	8.1	9.0	8.2	9.0	9.5	9.3	8.3	8.3	8.2
COP 7.1-4.5 7.2-4.9 7.1-4.6 7.2-4.6 7.0-4.4 7.4-4.5 7.3-4.7 7.2-4.5 7.3-4.7 7.0-4.5 7.	Performance Condition: Air 7°C, Water 26°C,	Humidity 90%										
Sound pressure of 1m dB(A) 36.6~43.4 37.7~44.8 37.8~45.9 41.0~46.7 41.5~47.3 41.9~49.5 39.7~49.8 39.7~49.8 42.1~50.3 42.1~50.3 41.5~50.7 50.0 50.0 50.0 50.0 50.0 50.0 50.0	Heating capacity(kW) in Turbo mode	5.0	6.6	7.4	9.2	10.5	11.8	15.5	15.5	17.8	17.8	22.8
Sound pressure of 50% capacity at 1m dB(A) 37.6 38.8 40.3 42.7 42.5 42.5 43.3 43.1 43.1 45.2 45.2 42.5 42.5 Sound pressure at 10m dB(A) 16.6~23.4 17.7~24.8 17.8~25.9 21.0~26.7 21.5~27.3 21.9~29.5 19.7~29.8 19.7~29.8 22.1~30.3 22.1~30.3 21.5~30.5 21.5~30.5 19.5~30.5~30.5 19.5~30.5 19.5~30.5 19.5~30.5~30.5 19.5~30.5 19.5~30.5	COP	7.1~4.5	7.2~4.9	7.1~4.6	7.2~4.6	7.0~4.4	7.4~4.5	7.3~4.7	7.2~4.5	7.3~4.7	7.0~4.5	7.0~4.3
Sound pressure at 10m dB(A) 16.6~23.4 17.7~24.8 17.8~25.9 21.0~26.7 21.5~27.3 21.9~29.5 19.7~29.8 19.7~29.8 19.7~29.8 22.1~30.3 22.1~30.3 22.1~30.3 21.5~30.5 16.64 23.4 17.7~24.8 17.8~25.9 21.0~26.7 21.5~27.3 21.9~29.5 19.7~29.8 19.7~29.8 19.7~29.8 22.1~30.3 22.1~30.3 22.1~30.3 22.1~30.3 21.5~30.5 10.5 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	Sound pressure at 1m dB(A)	36.6~43.4	37.7~44.8	37.8~45.9	41.0~46.7	41.5~47.3	41.9~49.5	39.7~49.8	39.7~49.8	42.1~50.3	42.1~50.3	41.5~50.5
Heat exchanger Casing	Sound pressure of 50% capacity at 1m dB(A)	37.6	38.8	40.3	42.7	42.5	43.3	43.1	43.1	45.2	45.2	42.5
Casing Fower supply Rated input power at air 15°C (kW) 0.14~1.25 0.15~1.38 0.19~1.7 0.20~2.08 0.83~7.39 0.87~9.04 1.09~10.65 1.17~11.9 1.39~14.4 0.46~4.78 2.01~17.8 0.46~4.7 0.46~4.	Sound pressure at 10m dB(A)	16.6~23.4	17.7~24.8	17.8~25.9	21.0~26.7	21.5~27.3	21.9~29.5	19.7~29.8	19.7~29.8	22.1~30.3	22.1~30.3	21.5~30.5
Power supply Rated input power at air 15°C (kW) 0.14~1.25 0.15~1.38 0.19~1.7 0.20~2.08 0.25~2.45 0.27~2.74 0.32~3.31 0.32~3.31 0.32~3.31 0.46~4.1 0.46~4.1 0.46~4.1 0.46~4.1 0.60~5.7 Rated input current at air 15°C (A) 0.61~5.43 0.65~6.00 0.83~7.39 0.87~9.04 1.09~10.65 1.17~11.9 1.39~14.4 0.46~4.78 2.01~17.8 0.66~5.91 0.87~8.22 Advised water flux (m³/h) 2~4 2~4 3~4 4~6 4~6 4.66 6.5~8.5 8~10 8~10 10~12 10~12 10~12 10~12 10~12 10~12 Net Dimension LxWxH (mm) 910×432×660 910×432×660 945×432×660 1045×432×66	Heat exchanger					"3D Spiro	l" titanium heat e	xchanger				
Rated input power at air 15°C (kW) 0.14~1.25 0.15~1.38 0.19~1.7 0.20~2.08 0.25~2.45 0.27~2.74 0.32~3.31 0.32~3.31 0.32~3.31 0.46~4.1 0.46~4.1 0.60~5.7 Rated input current at air 15°C (A) 0.61~5.43 0.65~6.00 0.83~7.39 0.87~9.04 1.09~10.65 1.17~11.9 1.39~14.4 0.46~4.78 2.01~17.8 0.66~5.91 0.87~8.22 Advised water flux (m³/h) 2~4 2~4 3~4 4~6 4~6 6.5~8.5 8~10 8~10 10~12 10~12 10~12 12~18 Water pipe in-out size (mm) Net Dimension LxWxH (mm) 910×432×660 910×432×660 945×432×660 1045×432×6	Casing					Alu	ıminum-alloy Cas	ing				
Rated input current at air 15°C (A) 0.61~5.43 0.65~6.00 0.83~7.39 0.87~9.04 1.09~10.65 1.17~11.9 1.39~14.4 0.46~4.78 2.01~17.8 0.66~5.91 0.87~8.22 Advised water flux (m³/h) 2~4 2~4 3~4 4~6 4~6 6.5~8.5 8~10 8~10 10~12 10~12 10~12 12~18 Water pipe in-out size (mm) 50 Net Dimension LxWxH (mm) 910×432×660 910×432×660 945×432×660 1045×432×660 1045×432×660 1045×432×600	Power supply				230V/1 Ph/50	Hz			400V/3 Ph/50Hz	230V/1 Ph/50Hz	400V/31	Ph/50Hz
Advised water flux (m³/h) 2~4 2~4 3~4 4~6 4~6 6.5~8.5 8~10 8~10 10~12 10~12 12~18 Water pipe in-out size (mm) 50 Net Dimension LxWxH (mm) 910×432×660 910×432×660 945×432×660 1045×432×66	Rated input power at air 15°C (kW)	0.14~1.25	0.15~1.38	0.19~1.7	0.20~2.08	0.25~2.45	0.27~2.74	0.32~3.31	0.32~3.31	0.46~4.1	0.46~4.1	0.60~5.7
Water pipe in-out size (mm) 50 Net Dimension LxWxH (mm) 910×432×660 910×432×660 945×432×660 1045×432×66	Rated input current at air 15°C (A)	0.61~5.43	0.65~6.00	0.83~7.39	0.87~9.04	1.09~10.65	1.17~11.9	1.39~14.4	0.46~4.78	2.01~17.8	0.66~5.91	0.87~8.22
Net Dimension LxWxH (mm) 910×432×660 910×432×660 945×432×660 1045×432×660 1045×432×660 1195×432×760 1072×541×956 1072×541×956 1074×539×947 1074×539×947 1260×539×947 Net weight (kg) 60 63 65 72 72 82 100 100 100 108 116 131	Advised water flux (m³/h)	2~4	2~4	3~4	4~6	4~6	6.5~8.5	8~10	8~10	10~12	10~12	12~18
Net weight (kg) 60 63 65 72 72 82 100 100 108 116 131	Water pipe in-out size (mm)						50					
	Net Dimension LxWxH (mm)	910×432×660	910×432×660	945×432×660	1045×432×660	1045×432×660	1195×432×760	1072×541×956	1072×541×956	1074×539×947 1	074×539×947	1260×539×947
Qty per 20'FT / 40'HQ (sets) 78/168 78/165 72/150 72/150	Net weight (kg)	60	63	65	72	72	82	100	100	108	116	131
	Qty per 20'FT / 40'HQ (sets)	78/168	78/168	78/165	72/150	72/150						

* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day; 34/72 28/64 18/42

 $\mbox{\ensuremath{\star}}$ The final specs will be in accordance with the specs on the product .





COP 16: 1kW Input = 16kW Heat in Return

Intelligent adjustment of heating capacity, average COP 11.6 at 50% capacity, COP up to 16.5 (Air 26°C/Water 26°C/Humidity 80%).

15 Times Quieter

Average Sound Pressure 41dB(A)

The compressor and the fan work at very low speed when maintaining the temperature, reducing the noise level around 41 dB(A) at 1m.



Extra 20% Heating Capacity

Unique Turbo mode enables the unit to run at 120% speed, shortening 20% time to heat up the pool.





INVERX Horizontal SPECS R32

Model	IXR21	IXR28	IXR36	IXR43	IXR46	IXR56	IXR66	IXR66T	IXR80	IXR80T	IXR100 T
Advised pool volume (m³)	20~30	25~40	31~50	41~55	41~60	51~75	61~85	61~85	76~110	76~110	86~140
Operating air temperature (°C)					-15~43						
Performance Condition: Air 26°C, Water 26°C	C, Humidity 80%										
Heating capacity (kW) in Turbo mode	9.0	11.3	14.0	16.0	17.8	22.0	26.0	26.0	32.0	32.0	40.0
Heating capacity (kW) in Smart mode	7.5	9.5	11.8	13.5	15.0	18.0	22.0	22.0	27.5	27.5	35.0
COP in Smart mode	7.6	8.0	8.5	8.0	7.7	7.5	8.0	8.0	7.6	7.6	7.5
COP	15.5~7.2	15.6~7.3	15.5~7.5	16.2~7.0	16.0~6.6	15.5~6.5	16.5~7.0	16.5~7.0	16.3~6.5	16.3~6.5	16.3~6.6
COP at 50% capacity	11.5	11.8	12.0	11.6	11.5	11.5	11.6	11.6	11.5	11.5	11.4
Performance Condition: Air 15°C, Water 26°C	Humidity 70%										
Heating capacity (kW) in Turbo mode	6.0	7.5	9.3	10.5	11.5	14.5	18.0	18.0	22.0	22.0	28.5
Heating capacity (kW) in Smart mode	5.0	6.3	7.8	8.8	9.5	12.0	15.0	15.0	18.5	18.5	24.5
COP in Smart mode	5.0	5.4	5.5	5.5	5.2	5.2	5.6	5.6	5.5	5.5	5.3
COP	7.5~4.6	7.1~4.9	7.0~5.0	8.0~4.8	7.5~4.5	8.0~4.7	8.0~5.1	8.0~5.1	8.0~5.0	8.0~5.0	8.1~4.8
COP at 50% capacity	6.8	6.7	6.7	7	6.8	7.0	7.0	7.0	7.0	7.0	6.9
Sound pressure at 1m dB(A)	37.8~44.5	38.5~45.5	38.6~46.9	42.0~47.1	42.0~47.7	42.9~50.8	40.8~51.2	40.8~51.2	43.3~51.9	43.3~51.9	42.5~51.7
Sound pressure of 50% capacity at 1m dB(A)	38.5	39.5	41.3	43.2	43.7	44.5	44.4	44.4	46.4	46.4	43.8
Sound pressure at 10m dB(A)	17.8~24.5	18.5~25.5	18.6~26.9	22.0~27.1	22.0~27.7	22.9~30.8	20.8~31.2	20.8~31.2	23.3~31.9	23.3~31.9	22.5~31.7
Compressor				Twin-roto	ıry Mitsubishi DC-	inverter					
Heat exchanger				Spiral	titanium tube in	PVC					
Casing				Alur	minum-alloy Casir	ng					
Power supply					230V/1 Ph/50Hz			400V/3 Ph/50Hz	230V/1 Ph/50Hz	400V/3 F	Ph/50Hz
Rated input power at air 15°C (kW)	0.15~1.31	0.18~1.53	0.22~1.8	0.23~2.2	0.26~2.56	0.31~3.08	0.38~3.53	0.38~3.53	0.46~4.4	0.46~4.4	0.60~5.94
Rated input current at air 15°C (A)	0.65~5.70	0.78~6.65	0.96~7.82	1.00~9.56	1.14~11.3	1.35~13.4	1.65~15.3	0.55~5.09	2.01~19.1	0.66~6.35	0.87~8.57
Advised water flux (m³/h)	2~4	2~4	3~4	4~6	4~6	6.5~8.5	8~10	8~10	10~12	10~12	12~18
Water pipe in-out size (mm)		50			50						
Net Dimension L \times W \times H (mm)	799x432*650	799×432×650	893×432×650	939×432×650	939×432×650	995×432×750	1125×429×952	1125×429×952	1074×539×947	1074×539×947	1260×539×947
Net weight (kg)	49	51	61	65	65	70	98	98	102	111	126
Oty per 20'FT / 40'HQ (sets)	90/195	90/195	78/180	78/168	78/168	50/162	42/92	42/92	36/80	36/80	34/72

^{*} The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day; * The final specs will be in accordance with the specs on the product.





Model	IXR21V	IXR26V	IXR36V	IXR46V	IXR56V	IXR66V	IXR80V	IXR80VT	IXR110VT
Advised pool volume (m³)	15-30	20~40	25~50	30~60	40~75	50~100	65~120	65~120	90~160
Operating air temperature (°C)				-15~43					
Performance Condition: Air 26°C, Water 26°C, Humidit	ty 80%								
Heating capacity (kW) in Turbo mode	9.0	11.0	13.5	17.5	21.5	27.0	32.0	32.0	40.0
Heating capacity (kW) in Smart mode	7.5	9.0	11.3	14.5	18.0	23.0	27.5	27.5	35.0
COP in Smart mode	7.6	7.8	7.9	8.0	7.5	8.0	7.6	7.6	7.5
COP	15.5~7.2	15.4~7.1	15.6~7.0	16.1~6.7	16.0~6.5	15.3~7.1	16.3~6.5	16.3~6.5	16.0~6.6
COP at 50% capacity	11.5	11.5	11.8	12.1	12.0	11.6	11.5	11.5	11.4
Performance Condition: Air 15°C, Water 26°C, Humidit	y 70%								
Heating capacity (kW) in Turbo mode	6.0	7.5	9.0	12.0	14.5	18.0	22.0	22.0	28.5
Heating capacity (kW) in Smart mode	5.0	6.3	7.5	10.0	12.0	15.0	18.5	18.5	24.5
COP in Smart mode	5.0	5.1	5.1	5.0	5.0	5.1	5.5	5.5	5.3
COP	7.5~4.6	7.2~4.5	7.5~4.6	8.0~4.6	7.6~4.5	7.5~4.9	8.0~5.0	8.0~5.0	7.9~4.8
COP at 50% capacity	6.8	6.6	6.7	6.9	7.0	6.5	7.0	7.0	6.9
Sound pressure at 1m dB(A)	38.1~45.2	38.8~46.5	38.8~47.9	42.2~48.6	43.1~52.1	41.0~52.9	43.6~53.8	43.6~53.8	42.8~54.0
Sound pressure of 50% capacity at 1m dB(A)	39.0	39.0	41.9	44.3	45.2	45.3	46.7	46.7	46.9
Sound pressure at 10m dB(A)	18.1~35.2	18.8~26.5	18.8~27.9	22.2~28.6	23.1~32.1	21.0~32.9	23.6~33.8	23.6~33.8	22.8~34.0
Heat exchanger			Spir	al titanium tube in	PVC				
Casing			Al	luminum-alloy Cas	ing				
Power supply				230V/1 Ph/50Hz				400V	/3 Ph/50Hz
Rated input power at air 15°C (kW)	0.15~1.31	0.17~1.66	0.21~1.95	0.26~2.51	0.33~3.08	0.42~3.67	0.46~4.4	0.46~4.4	0.60~5.94
Rated input current at air 15° C (A)	0.65~5.70	0.74~7.21	0.91~8.48	1.14~10.9	1.43~13.4	1.82~15.9	2.01~19.1	0.66~6.35	0.87~8.57
Advised water flux (m³/h)	2~4	2~4	3~4	4~6	6.5~8.5	8~10	10~12	10~12	12~18
Water pipe in-out size (mm)				50					
Net Dimension LxWxH (mm)	799x432*650	710x753x693	710x753x693	710x775x693	710x775x693	710x775x743	729x955x943	729x955x943	845x955x943
Net weight (kg)	49	61	66	71	77	95	110	117	141
Qty per 20'FT / 40'HQ (sets)	90/195	36/123	36/123	36/123	36/123	36/82	30/66	30/66	24/48

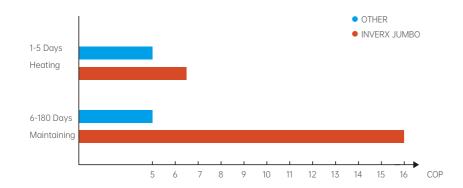
^{*} The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;

^{*} The final specs will be in accordance with the specs on the product.





COP 16 : 1kW Input = 16kW Heat in Return



15 Times Quieter

Sound Pressure Lower to 54 dB(A)

The compressor and the fan work at a very low speed when maintaining the temperature, reducing the noise level to around 54 dB(A) at 1m









Model	JBR150T	JBR300T
Advised pool volume (m³)	130~260	260~520
Operating air temperature (°C)		-20~43
SCOP	9.0	9.2
Performance Condition: Air 26°C, Water 26°C, Humidity 80%		
Heating capacity (kW) in Turbo mode	60.0	120.0
Heating capacity (kW) in Smart mode	50.0	100.0
COP in Smart mode	8.1	7.9
COP	16.0~6.5	16.1~6.5
COP at 50% capacity	11.1	11.0
Performance Condition: Air 15°C, Water 26°C, Humidity 70%		
Heating capacity (kW) in Turbo mode	42.0	82.0
Heating capacity (kW) in Smart mode	35.0	68.0
COP in Smart mode	5.7	5.2
COP	8.0~4.7	7.5~4.8
COP at 50% capacity	7.0	6.8
Performance Condition: Air 7°C, Water 26°C, Humidity 90%		
Heating capacity (kW) in Turbo mode	32.5	62.0
Heating capacity (kW) in Smart mode	27.0	52.0
COP in Smart mode	4.8	4.0
COP in Turbo mode	4.0	3.7
Performance Condition: Air -15°C, Water 26°C, Humidity 70%		
Heating capacity (kW) in Turbo mode	21.0	42.0
COP	3.0	3.1
Performance Condition: Air 35°C, Water 28°C, Humidity 80%		
Cooling capacity (kW)	27.5	50.0
Sound pressure at 1m dB(A)	42.1~54.4	43.3~58.5
Sound pressure of 50% capacity at 1m dB(A)	44.8	46.9
Sound pressure at 10m dB(A)	22.1~34.4	23.3~38.5
Compressor	Twin-rot	ary Mitsubishi DC-inverter
Heat exchanger	Spiro	al titanium tube in PVC
Casing		Aluminum-alloy
Fan direction		Horizontal
Power supply		400V/3 Ph/50Hz
Rated input power at air 15°C (kW)	1.4~8.94	2.6~17.1
Rated input current at air 15°C (A)	2.02~12.9	3.75~24.7
Advised water flux (m³/h)	20~25	30~40
Water pipe in-out size (mm)	75	90
Net dimension L \times W \times H (mm) (To be confirmed)	1331x458x1630	2108x640x2040
Net weight (kg)	201	450
Qty per 20'FT / 40'HQ (sets)	10/24	7/14

^{*} The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;



^{*} The final specs will be in accordance with the specs on the product .

Full-inverter®

Technology

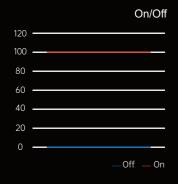


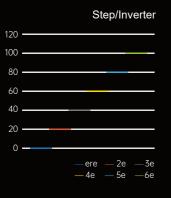


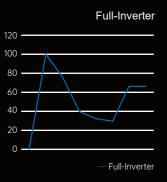


Up to 15.8x Energy Saving Times Quieter

Up to 10







Full-inverter technology drives the DC-inverter twin-rotary compressor hertz-by-hertz and runs the DC-inverter brushless fan motor round-by-round to achieve the optimum performance. At the beginning of the swimming season, Full-inverter pool heat pumps will heat the pool water to the set temperature at 100% heating capacity and then maintain the required temperature at an average of 30% of power consumption, which brings up to 15.8 times energy saving.



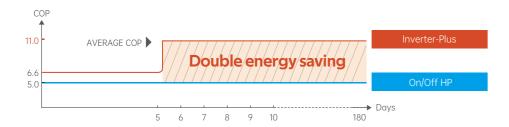


COP 16: 1kW Input=16kW Heat in Return Saving 50% more than On/Off Heat Pump

OTHER

Most of the time, the Full-inverter heat pump always works with an average of COP 11, while the On/Off heat pump is with a fixed COP of 5.

That's why a Full-inverter heat pump can be double the energy saving than the On/Off one





10 Times Quieter

(The sound pressure is lower to 46 dB(A) at 1 meter which is quieter than the fridge.) While the sound pressure of On/Off is 56 dB(A), it could provide 10 times quieter swimming environment without noise and worry.

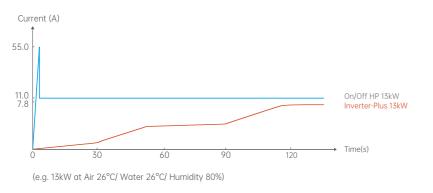


Built-in Wi-Fi & Fairland Smart Pool



Soft Start Function

The current will start from O(A) and goes up slowly to the rated current in 2 minutes. It will not affect the electricity system, while the starting current of On/Off is 5 times higher which is a burden to the system.



INVERTER-PLUS SPECS R32

Model	IPHR15	IPHR20	IPHR26	IPHR33	IPHR40	IPHR45	IPHR55	IPHR70	IPHR70T	IPHR100T
Advised pool volume (m³)	15~30	20~40	25~45	30~55	35~65	40~75	50~95	65~120	65~120	90~160
Operating air temperature (°C)					-7-	~43				
Performance Condition: Air 26°C, Wate	er 26°C, Humidity	80%								
Heating capacity (kW)	6.5	8.5	10.5	13.0	15.0	17.5	20.5	27.5	27.3	35.8
COP	14.7~6.0	14.8~7.4	15.0~7.4	15.4~7.3	15.5~6.7	15.8~6.2	15.3~6.0	15.4~6.5	15.3~6.5	16.1~5.8
COP at 50% capacity	10.5	10.9	11.0	11.0	10.9	11.1	10.7	11.2	11.2	10.9
Performance Condition: Air 15°C, Water	er 26°C, Humidity	70%								
Heating capacity (kW)	4.8	6.3	7.3	9.0	10.5	11.5	14.0	18.0	18.0	24.5
COP	7.3~4.5	7.4~5.0	7.7~4.8	7.7~4.8	7.8~4.6	7.8~4.5	7.7~4.4	8.1~4.8	8.1~4.8	8.0~4.7
COP at 50% capacity	6.3	6.6	6.8	6.8	6.6	6.4	6.3	6.8	6.8	7.0
Sound pressure at 1m dB(A)	37.8~47.2	38.8~48.2	38.6~49.9	42.1~50.7	41.3~55.0	43.1~53.8	40.9~54.2	43.5~54.9	43.5~54.9	42.6~54.7
Sound pressure of 50% capacity at 1m	dB(A) 40.1	41.4	43.3	45.7	46.5	46.5	46.4	48.4	48.4	45.8
Sound pressure at 10m dB(A)	17.8~27.2	18.8~28.2	18.6~29.9	22.1~30.7	21.3~35.0	23.1~33.8	20.9~34.2	23.5~34.9	23.5~34.9	22.6~34.7
Compressor					Twin-rotary Mit	subishi DC inver	ter			
Heat exchanger					Spiral titani	ium tube in PVC				
Casing					Alumi	num-alloy				
Power supply					230V/	1 Ph/50Hz			400V/	3 Ph/50Hz
Rated input power at air 15°C (kW)	0.13~1.06	0.17~1.2	0.19~1.5	0.23~1.81	0.27~2.2	0.30~2.6	0.36~3.18	0.55~3.8	0.55~3.9	0.61~5.2
Rated input current at air 15°C (A)	0.56~4.60	0.74~5.2	0.83~6.5	1.00~7.87	1.17~9.6	1.3~11.3	1.57~13.8	2.4~16.5	0.79~5.6	0.88~7.4
Max input current (A)	7.5	8.5	10.0	12.0	13.5	15.0	17.0	20.0	7.0	9.5
Advised water flux (m³/h)	2~4	2~4	3~4	4~6	5~7	6.5~8.5	8~10	10~12	10~12	12~18
Water pipe in-out size (mm)		50								
Net dimension L \times W \times H (mm)	894×359×648	894×359×648	894×359×648	954×359×648	954×359×648	954×429×648	954×429×755	1084×429×948	1084×429×948	1154×539×94
Net weight (kg)	42	45	49	50	52	63	68	90	93	120
Qty per 20'FT / 40'HQ (sets)	102/216	102/216	102/216	90/198	90/198	78/165	52/165	48/100	48/100	34/72

^{*} The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;

^{*} The final specs will be in accordance with the specs on the product.







10 Times Quieter than Traditional Dehumidifier

Sound pressure lower to 38.3dB(A) at 1 meter

Patented Design

Compact design for space-saving, 2 installation options (Floor-standing or wall-mounted installation)





2 Times Energy Saving

Average DER4.3 (Air 30°C/RH 80%)

Others Features

- R32 Eco-Friendly Refrigerant
- Remote Control by Fairland Smart Pool APP
- Optional Electric Heating





Applications













INVERTER-PLUS DEHUMIDIFIER SPECS R32

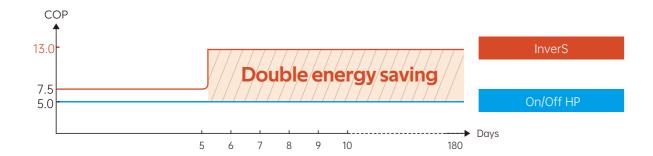
Advised room size (#f) 40-80 50-100 60-120 90-180 120-240 Operating dir temperature (°C) 0-38 10-38 Capacity (I/h) (Air 30°C, RH 80%) 1.5 2.0 2.5 4.0 5.0 DER (I/h,kW) (Air 30°C, RH 80%) 4.20-3.50 4.10-3.70 4.00-3.40 4.53-4.05 4.50-3.68 Capacity (I/h) (Air 30°C, RH 70%) 1.25 1.7 2.1 3.3 4.2 DER (I/h,kW) (Air 30°C, RH 70%) 3.34-3.10 3.34-3.20 3.34-3.00 4.00-3.50 3.86-3.25 Capacity (I/h) (Air 30°C, RH 60%) 1 1.36 1.7 2.6 3.4 DER (I/h,kW) (Air 30°C, RH 60%) 1 1.36 1.7 2.6 3.4 DER (I/h,kW) (Air 30°C, RH 60%) 2.8-2.4 2.8-2.5 2.65-2.45 3.2-2.9 3.1-2.7 Electric heating optional (kW) 0.8 0.8 1.3 2.1 2.1 Rated power (kW) (Air 30°C, RH 80%) 0.10-0.45 0.11-0.55 0.11-0.73 0.17-0.99 0.22-1.36 Rated current (A) (Air 30°C, RH 80%) 0.48-1.96 0.48-2.39 0.48-3.17 0.74-4.30 0.96-5.91 Max input current (A) 5.0 5.5 6.50 8.0 9.5 Power supply Sound pressure at 1m dB(A) 34.9-41.4 35.5-43.8 38.3-45.6 40.3-45.8 39.9-46.4 Air flow (m³/h) 400 500 600 1000 1200 Net dimension L × W × H (mm) 1004x220x705 1004x220x705 850x291x770 1120x291x770 1220x291x770	Model	IDHE35	IDHE45	IDHE60	IDHE96	IDHE120
Operating air temperature (°C) 0~38 10~38 Capacity (I/h) (Air 30°C, RH 80%) 1.5 2.0 2.5 4.0 5.0 DER (I/h,kW) (Air 30°C, RH 80%) 4.20~3.50 4.10~3.70 4.00~3.40 4.53~4.05 4.50~3.68 Capacity (I/h) (Air 30°C, RH 70%) 1.25 1.7 2.1 3.3 4.2 DER (I/h,kW) (Air 30°C, RH 70%) 3.34~3.10 3.34~3.20 3.34~3.00 4.00~3.50 3.86~3.25 Capacity (I/h) (Air 30°C, RH 60%) 1 1.36 1.7 2.6 3.4 DER (I/h,kW) (Air 30°C, RH 60%) 2.8~2.4 2.8~2.5 2.65~2.45 3.2~2.9 3.1~2.7 Electric heating optional (kW) 0.8 0.8 1.3 2.1 2.1 Rated power (kW) (Air 30°C, RH 80%) 0.10~0.45 0.11~0.55 0.11~0.73 0.17~0.99 0.22~1.36 Rated current (A) (Air 30°C, RH 80%) 0.48~1.96 0.48~2.39 0.48~3.17 0.74~4.30 0.96~5.91 Max input current (A) 5.0 5.5 6.50 8.0 9.5 Power supply 230V	Advised pool surface (m²)	≤10	≤15	≤25	≪40	≤50
Capacity (I/h) (Air 30°C, RH 80%) 1.5 2.0 2.5 4.0 5.0 DER (I/h,kW) (Air 30°C, RH 80%) 4.20~3.50 4.10~3.70 4.00~3.40 4.53~4.05 4.50~3.68 Capacity (I/h) (Air 30°C, RH 70%) 1.25 1.7 2.1 3.3 4.2 DER (I/h,kW) (Air 30°C, RH 70%) 3.34~3.10 3.34~3.20 3.34~3.00 4.00~3.50 3.86~3.25 Capacity (I/h) (Air 30°C, RH 60%) 1 1.36 1.7 2.6 3.4 DER (I/h,kW) (Air 30°C, RH 60%) 2.8~2.4 2.8~2.5 2.65~2.45 3.2~2.9 3.1~2.7 Electric heating optional (kW) 0.8 0.8 1.3 2.1 2.1 Rated power (kW) (Air 30°C, RH 80%) 0.10~0.45 0.11~0.55 0.11~0.73 0.17~0.99 0.22~1.36 Rated current (A) (Air 30°C, RH 80%) 0.48~1.96 0.48~2.39 0.48~3.17 0.74~4.30 0.96~5.91 Max input current (A) 5.0 5.5 6.50 8.0 9.5 Power supply 230V/IPh/50Hz Sound pressure at 1m dB(A) 34.9~41.4 35.5~43.8 38.3~45.6 40.3~45.8 39.9~46.4 Air flow (m³/h) 400 500 600 1000 1200 Net dimension L × W × H (mm) 1004×220×705 1004×220×705 850×291×770 1120×291×770 1220×291×770	Advised room size (m²)	40~80	50~100	60~120	90~180	120~240
DER (I/h.kW) (Air 30°C, RH 80%) 4.20~3.50 4.10~3.70 4.00~3.40 4.53~4.05 4.50~3.68 Capacity (I/h) (Air 30°C, RH 70%) 1.25 1.7 2.1 3.3 4.2 DER (I/h.kW) (Air 30°C, RH 70%) 3.34~3.10 3.34~3.20 3.34~3.00 4.00~3.50 3.86~3.25 Capacity (I/h) (Air 30°C, RH 60%) 1 1.36 1.7 2.6 3.4 DER (I/h.kW) (Air 30°C, RH 60%) 1 1.36 1.7 2.6 3.4 DER (I/h.kW) (Air 30°C, RH 60%) 2.8~2.4 2.8~2.5 2.65~2.45 3.2~2.9 3.1~2.7 Electric heating optional (kW) 0.8 0.8 1.3 2.1 2.1 2.1 Rated power (kW) (Air 30°C, RH 80%) 0.10~0.45 0.11~0.55 0.11~0.73 0.17~0.99 0.22~1.36 Rated current (A) (Air 30°C, RH 80%) 0.48~1.96 0.48~2.39 0.48~3.17 0.74~4.30 0.96~5.91 Max input current (A) 5.0 5.5 6.50 8.0 9.5 Power supply Sound pressure at 1m dB(A) 34.9~41.4 35.5~43.8 38.3~45.6 40.3~45.8 39.9~46.4 Air flow (m³/h) 400 500 600 1000 1200 Net dimension L × W × H (mm) 1004x220x705 1004x220x705 850x291x770 1120x291x770 1220x291x770	Operating air temperature (°C)		0~38		10~	38
Capacity (I/h) (Air 30°C, RH 70%) 1.25 1.7 2.1 3.3 4.2 DER (I/h,kW) (Air 30°C, RH 70%) 3.34~3.10 3.34~3.20 3.34~3.00 4.00~3.50 3.86~3.25 Capacity (I/h) (Air 30°C, RH 60%) 1 1.36 1.7 2.6 3.4 DER (I/h,kW) (Air 30°C, RH 60%) 2.8~2.4 2.8~2.5 2.65~2.45 3.2~2.9 3.1~2.7 Electric heating optional (kW) 0.8 0.8 1.3 2.1 2.1 Rated power (kW) (Air 30°C, RH 80%) 0.10~0.45 0.11~0.55 0.11~0.73 0.17~0.99 0.22~1.36 Rated current (A) (Air 30°C, RH 80%) 0.48~1.96 0.48~2.39 0.48~3.17 0.74~4.30 0.96~5.91 Max input current (A) 5.0 5.5 6.50 8.0 9.5 Power supply 230V/1Ph/50Hz 230V/1Ph/50Hz 38.7~45.6 40.3~45.8 39.9~46.4 Air flow (m³/h) 400 500 600 1000 1200 Net dimension L × W × H (mm) 1004x220x705 1004x220x705 850x291x770 1120x291x770 1220x291	Capacity (I/h) (Air 30°C, RH 80%)	1.5	2.0	2.5	4.0	5.0
DER (I/h.kW) (Air 30°C, RH 70%) 3.34~3.10 3.34~3.20 3.34~3.00 4.00~3.50 3.86~3.25 Capacity (I/h) (Air 30°C, RH 60%) 1 1.36 1.7 2.6 3.4 DER (I/h.kW) (Air 30°C, RH 60%) 2.8~2.4 2.8~2.5 2.65~2.45 3.2~2.9 3.1~2.7 Electric heating optional (kW) 0.8 0.8 1.3 2.1 2.1 2.1 Rated power (kW) (Air 30°C, RH 80%) 0.10~0.45 0.11~0.55 0.11~0.73 0.17~0.99 0.22~1.36 Rated current (A) (Air 30°C, RH 80%) 0.48~1.96 0.48~2.39 0.48~3.17 0.74~4.30 0.96~5.91 Max input current (A) 5.0 5.5 6.50 8.0 9.5 Power supply Sound pressure at 1m dB(A) 34.9~41.4 35.5~43.8 38.3~45.6 40.3~45.8 39.9~46.4 Air flow (m³/h) Net dimension L × W × H (mm) 1004×220×705 1004×220×705 850×291×770 1120×291×770 1220×291×770	DER (I/h.kW) (Air 30°C, RH 80%)	4.20~3.50	4.10~3.70	4.00~3.40	4.53~4.05	4.50~3.68
Capacity (I/h) (Air 30°C, RH 60%) 1 1.36 1.7 2.6 3.4 DER (I/h.kW) (Air 30°C, RH 60%) 2.8~2.4 2.8~2.5 2.65~2.45 3.2~2.9 3.1~2.7 Electric heating optional (kW) 0.8 0.8 1.3 2.1 2.1 Rated power (kW) (Air 30°C, RH 80%) 0.10~0.45 0.11~0.55 0.11~0.73 0.17~0.99 0.22~1.36 Rated current (A) (Air 30°C, RH 80%) 0.48~1.96 0.48~2.39 0.48~3.17 0.74~4.30 0.96~5.91 Max input current (A) 5.0 5.5 6.50 8.0 9.5 Power supply 230V/1Ph/50Hz 230V/1Ph/50Hz 230V/1Ph/50Hz 39.9~46.4 Sound pressure at 1m dB(A) 34.9~41.4 35.5~43.8 38.3~45.6 40.3~45.8 39.9~46.4 Air flow (m³/h) 400 500 600 1000 1200 Net dimension L × W × H (mm) 1004x220x705 1004x220x705 850x291x770 1120x291x770 1220x291x770	Capacity (I/h) (Air 30°C, RH 70%)	1.25	1.7	2.1	3.3	4.2
DER (I/h.kW) (Air 30°C, RH 60%) 2.8~2.4 2.8~2.5 2.65~2.45 3.2~2.9 3.1~2.7 Electric heating optional (kW) 0.8 0.8 1.3 2.1 2.1 2.1 Rated power (kW) (Air 30°C, RH 80%) 0.10~0.45 0.11~0.55 0.11~0.73 0.17~0.99 0.22~1.36 Rated current (A) (Air 30°C, RH 80%) 0.48~1.96 0.48~2.39 0.48~3.17 0.74~4.30 0.96~5.91 Max input current (A) 5.0 5.5 6.50 8.0 9.5 Power supply Sound pressure at 1m dB(A) 34.9~41.4 35.5~43.8 38.3~45.6 40.3~45.8 39.9~46.4 Air flow (m³/h) Au 1004×220×705 1004×220×705 850×291×770 1120×291×770 1220×291×770	DER (I/h.kW) (Air 30°C, RH 70%)	3.34~3.10	3.34~3.20	3.34~3.00	4.00~3.50	3.86~3.25
Electric heating optional (kW)	Capacity (I/h) (Air 30°C, RH 60%)	1	1.36	1.7	2.6	3.4
Rated power (kW) (Air 30°C, RH 80%) 0.10~0.45 0.11~0.55 0.11~0.73 0.17~0.99 0.22~1.36 Rated current (A) (Air 30°C, RH 80%) 0.48~1.96 0.48~2.39 0.48~3.17 0.74~4.30 0.96~5.91 Max input current (A) 5.0 5.5 6.50 8.0 9.5 Power supply 230V/1Ph/50Hz Sound pressure at 1m dB(A) 34.9~41.4 35.5~43.8 38.3~45.6 40.3~45.8 39.9~46.4 Air flow (m³/h) 400 500 600 1000 1200 Net dimension L × W × H (mm) 1004x220x705 1004x220x705 850x291x770 1120x291x770 1220x291x770	DER (I/h.kW) (Air 30°C, RH 60%)	2.8~2.4	2.8~2.5	2.65~2.45	3.2~2.9	3.1~2.7
Rated current (A) (Air 30°C, RH 80%) 0.48~1.96 0.48~2.39 0.48~3.17 0.74~4.30 0.96~5.91 Max input current (A) 5.0 5.5 6.50 8.0 9.5 Power supply 230V/1Ph/50Hz Sound pressure at 1m dB(A) 34.9~41.4 35.5~43.8 38.3~45.6 40.3~45.8 39.9~46.4 Air flow (m³/h) 400 500 600 1000 1200 Net dimension L × W × H (mm) 1004×220×705 1004×220×705 850×291×770 1120×291×770 1220×291×770	Electric heating optional (kW)	0.8	0.8	1.3	2.1	2.1
Max input current (A) 5.0 5.5 6.50 8.0 9.5 Power supply 230V/1Ph/50Hz Sound pressure at 1m dB(A) 34.9~41.4 35.5~43.8 38.3~45.6 40.3~45.8 39.9~46.4 Air flow (m³/h) 400 500 600 1000 1200 Net dimension L × W × H (mm) 1004x220x705 1004x220x705 850x291x770 1120x291x770 1220x291x770	Rated power (kW) (Air 30°C, RH 80%)	0.10~0.45	0.11~0.55	0.11~0.73	0.17~0.99	0.22~1.36
Power supply 230V/1Ph/50Hz Sound pressure at 1m dB(A) 34.9~41.4 35.5~43.8 38.3~45.6 40.3~45.8 39.9~46.4 Air flow (m³/h) 400 500 600 1000 1200 Net dimension L × W × H (mm) 1004x220x705 1004x220x705 850x291x770 1120x291x770 1220x291x770	Rated current (A) (Air 30°C, RH 80%)	0.48~1.96	0.48~2.39	0.48~3.17	0.74~4.30	0.96~5.91
Sound pressure at 1m dB(A) 34.9~41.4 35.5~43.8 38.3~45.6 40.3~45.8 39.9~46.4 Air flow (m³/h) 400 500 600 1000 1200 Net dimension L × W × H (mm) 1004x220x705 1004x220x705 850x291x770 1120x291x770	Max input current (A)	5.0	5.5	6.50	8.0	9.5
Air flow (m³/h) 400 500 600 1000 1200 Net dimension L × W × H (mm) 1004x220x705 1004x220x705 850x291x770 120x291x770	Power supply			230V/1Ph/50Hz		
Net dimension L × W × H (mm) 1004x220x705 1004x220x705 850x291x770 1120x291x770 1220x291x770	Sound pressure at 1m dB(A)	34.9~41.4	35.5~43.8	38.3~45.6	40.3~45.8	39.9~46.4
	Air flow (m³/h)	400	500	600	1000	1200
Net weight (Kg) 43 45 53 68 72	Net dimension L \times W \times H (mm)	1004x220x705	1004x220x705	850x291x770	1120x291x770	1220x291x770
	Net weight (Kg)	43	45	53	68	72
Qty per 20'FT / 40'HQ (sets) 80/252 80/252 84/258 60/195 58/189	Qty per 20'FT / 40'HQ (sets)	80/252	80/252	84/258	60/195	58/189

^{*} The final specs will be in accordance with the specs on the product.





COP 13: 1kW Input = 13kW Heat in Return



8 Times Quieter

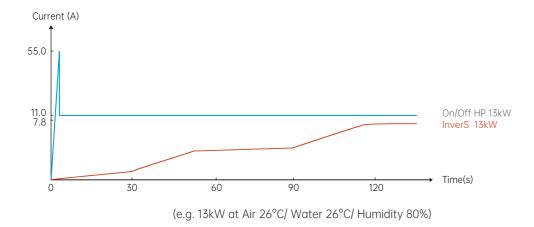
Average noise level 48dB(A)





Soft Start

When the InverS is turned on, the current will start from O(A) and go up slowly to rated current in 2 minutes. Less burden to the electricity system.



High-quality Component





Model	NPR06	NPR07	NPR08	NPR10	NPR12	NPR14	NPR17	NPR20
Advised pool volume (m³)	10~25	15~30	18~35	20~40	25~45	30~50	35~65	45~80
Operating air temperature (°C)				0~43				
Performance Condition: Air 26°C, Water 26°C, Hur	midity 80%							
Heating capacity (kW)	6.0	7.2	8.5	10.0	11.5	13.5	17.5	20.0
COP	10.3~5.6	12.6~6	12.1~5.6	12.8~5.8	13.1~5.8	14~6.7	12.9~6.6	13.6~6.5
COP at 50% capacity	8.6	9.8	9.5	10	10.2	10.8	10.1	10.5
Performance Condition: Air 15°C, Water 26°C, Hun	nidity 70%							
Heating capacity (kW)	4.3	5.1	6.2	7.1	8.2	9.6	12.4	14.2
COP	6.2~4	6.6~4.3	6.4~4	6.7~4.1	6.9~4.1	7.2~4.8	6.8~4.7	7.2~4.6
COP at 50% capacity	5.3	6	5.8	6.1	6.3	6.6	6.2	6.4
Sound pressure at 1m dB(A)	39.2~49.8	39.4~50.6	40.1~51.5	40.8~52.0	41.0~53.1	41.9~53.9	45.2~56.3	45.3~57.1
Sound pressure of 50% capacity at 1m dB(A)	42.5	43.1	43.7	44.2	45.5	48.0	48.7	49.6
Sound pressure at 10m dB(A)	19.2~29.8	19.4~30.6	20.1~31.5	20.8~32.0	21.0~33.1	21.9~33.9	25.2~36.3	25.3~37.1
Heat exchanger			Spir	al titanium tube in	PVC			
Casing			Me	etal+Aluminum Cas	sing			
Power supply				230V/1 Ph/50Hz				
Rated input power at air 15°C (kW)	0.14~1.06	0.15~1.19	0.19~1.55	0.21~1.73	0.24~1.99	0.27~1.99	0.37~2.64	0.39~3.08
Rated input current at air 15°C (A)	0.61~4.61	0.65~5.17	0.83~6.74	1.22~5.56	1.43~6.96	1.61~8.05	2.00~10.6	2.00~10.6
Advised water flux (m³/h)	2~3	2~4	3~4	3~4	3~4	4~6	6.5~8.5	8~10
Water pipe in-out size (mm)				50				
Net Dimension L × W × H (mm)	744×359×648	744×359×648	744×359×648	864×359×648	864×359×648	864×359×648	954×359×648	954×359×748
Net weight (kg)	40	41	42	46	47	49	60	68
Qty per 20'FT / 40'HQ (sets)	114/252	114/252	114/252	102/216	102/216	102/216	90/198	60/198

^{*}The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;

^{*} The final specs will be in accordance with the specs on the product .





COP 11: 1kW Input = 11kW Heat in Return

Mode Heating Capacity COP	BPNR09	BPNR17	BPNR24
20% Heating Capacity	10.6	11.2	11.8
50% Heating Capacity	9.6	9.7	10.2
100% Heating Capacity	6.8	7.1	6.5

(Air 26°C/ Water 26°C/ Humidity 80%)

7 Times Quieter than On/Off Heat Pump

DC Inverter Compressor, Low Noise Running







COMFORTLINE INVERTER R32

Model	BPNR05	BPNR07	BPNR09	BPNR11	BPNR13	BPNR17	BPNR21	BPNR24
Advised pool volume (m3)	10~20	15~30	20~35	25-40	30~50	35~65	45~80	55~90
Operating air temperature (°C)				0~43				
Performance Condition: Air 26°C, Water 26°C, Humi	dity 80%							
Heating capacity (kW)	5.0	7.0	9.0	10.5	12.5	16.0	20.0	24.0
COP	10.0~6.5	10.3~6.6	10.6~6.8	10.5~6.6	11.6~7.0	11.2~7.1	11.8~6.5	11.8~6.5
COP at 50% capacity	9.2	9.3	9.6	9.5	10.1	9.7	10.2	10.2
Performance Condition: Air 15°C, Water 26°C, Humid	dity 70%							
Heating capacity (kW)	3.6	5.0	6.3	7.3	8.5	11.0	14.0	16.0
COP	6.1~4.4	6.0~4.8	6.1~4.5	6.0~4.6	6.3~4.8	6.4~4.7	6.5~4.6	6.5~4.6
COP at 50% capacity	6.0	5.8	5.7	5.6	6.1	5.9	6.1	6.2
Sound pressure at 1m dB(A)	38.3~49.8	38.8~50.2	40.6~52.5	41.3~52.8	42.9~53.0	45.2~56.3	45.3~57.1	45.8~57.8
Sound pressure of 50% capacity at 1m dB(A)	42.5	42.8	45.8	46.1	48.5	48.7	49.6	50.1
Sound pressure at 10m dB(A)	18.3~29.8	18.8~30.2	20.6~32.5	21.3~32.8	22.9~33.0	25.2~36.3	25.3~37.1	25.8~37.8
Heat exchanger			Spire	al titanium tube in l	PVC			
Casing			Metal o	casing with plastic o	coating			
Power supply				230V/1 Ph/50Hz				
Rated input power at air 15°C (kW)	0.18~0.82	0.29~1.04	0.36~1.40	0.38~1.58	0.47~1.78	0.59~2.34	0.75~3.04	0.86~3.48
Rated input current at air 15°C (A)	0.78~3.56	1.26~4.52	1.57~6.09	1.65~6.86	2.02~7.74	2.52~10.17	3.26~13.21	3.74~15.13
Advised water flux (m³/h)	2~3	2~4	3~4	3~4	4~6	6.5~8.5	8~10	10~12
Water pipe in-out size (mm)				50				
Net Dimension LxWxH (mm)	812x318x610	744×359×648	864×359×648	864×359×648	864×359×648	954×359×648	954×359×748	954×429×755
Net weight (kg)	33	42	46	47	49	60	68	68
Qty per 20'FT / 40'HQ (sets)	102/216	114/252	102/216	102/216	102/216	90/198	60/198	52/165

^{*} The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;

^{*} The final specs will be in accordance with the specs on the product .



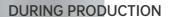
BEFORE PRODUCTION Persist in adopting high-quality components for over 20 years 8 hours high-temp aging running test and 100% QC on whole control system Turbo ilence Failure Rate < 0.24% High-rate random inspection for all components

Full-inverter Failure Rate < 0.1%

QC SYSTEM

Pursue 0% Failure Rate

To pursue high quality, Fairland respects the international standard & quality management system before/ during/ after production.



- Silver welding (5% silver) for more reliable refrigerant circuit system
- 3 times refrigerant leakage test
- Complete electrical safety test



AFTER PRODUCTION

- 45 mins running test for every unit
- Drying/cleaning/anti-rust treatment for every unit
- 1% random inspection for mass production in the lab



After-Sales Service Technical Support

Pursue the Ultimate Customer Experience

