COMFORTLINE INVERTER SPECS

R32

Model	BPNR06	BPNR08	BPNR10	BPNR13	BPNR17	BPNR21	BPNR25
Advised pool volume (m^3)	14~28	20~35	20~40	30~55	35-70	45-85	55-100
Operating air temperature (°C)	0~43						
Performance Condition: Air 26°C/ Water 26°C/ Humidity 80%							
Heating capacity (kW)	6.0	8.0	9.5	12.5	16.5	20.0	25.0
COP	9.5~5.9	9.1~5.6	9.5~5.7	10.5~5.9	10.0~5.7	10.6~5.6	10.2~5.8
COP at 50% capacity	8.5	8.0	8.3	9.2	8.8	8.9	8.8
Performance Condition: Air 15°C/ Water 26°C/ Humidity 70%							
Heating capacity (kW)	4.3	6.0	7.0	9.0	11.5	14.0	17.0
COP	5.9~4.4	5.9~4.1	6.0~4.3	5.9~4.2	6.0~4.2	6.0~4.1	6.0~4.3
COP at 50% capacity	5.8	5.9	5.6	5.8	6.0	5.8	5.8
Sound pressure at 1m dB(A)	38.8~50.2	40.8~51.1	40.6~52.5	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)	42.8	43.9	45.8	48.5	48.7	49.6	50.1
Sound pressure at 10m dB(A)	18.8~30.2	20.8~31.1	20.6~32.5	22.9~33.0	25.2~36.3	25.3~37.1	25.8~37.8
Heat exchanger	Spiral titanium tube in PVC						
Casing	Metal casing with plastic coating						
Rated input power at air 15°C (kW)	0.29~1.0	0.34~1.4	0.35~1.6	0.36~2.1	0.57~2.7	0.62~3.4	0.70~3.95
Rated input current at air 15°C (A)	1.26~4.2	1.48~6.0	1.52~7.0	1.57~8.7	2.48~11.7	2.7~15.0	3.04~17.1
Max input current (A)	6.0	8.0	9.5	12.5	15.0	19.5	21.5
Circuit breaker (A)	8.0	9.5	11.5	15.0	18.0	23.0	25.0
Power cord (mm^2)	3×1.5	3×1.5	3×2.5	3×2.5	3×4	3×4	3×6
Power supply	230V/1 Ph/50Hz			230V/1 Ph/50Hz			
Advised water flux (m^3/h)	2~4	2~4	3~4	4~6	6~8	8~10	10~12
Water pipe in-out size (mm)	50			50			
Net dimension LxWxH (mm)	744×359×648	864×359×648	864×359×648	864×359×648	954×359×648	954×359×748	1084×429×948
Net weight (kg)	42	46	47	49	60	68	90
Qty per 20'FT / 40'HQ (sets)	114/252	102/216	102/216	102/216	90/198	60/198	44/100

* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;
* Above data is subject to modification without further notice.

CE

COMFORTLINE INVERTER SPECS

R410A

Model	BPN06	BPN08	BPN09	BPN13	BPN17	BPN21	BPN25
Advised pool volume (m^3)	14~28	20~35	20~40	30~55	35-70	45-85	55-100
Operating air temperature (°C)	0~43						
Performance Condition: Air 26°C/ Water 26°C/ Humidity 80%							
Heating capacity (kW)	6.5	8.0	9.2	12.5	16.5	20.5	25.0
COP	10.0~5.8	9.5~5.6	10.0~5.7	11.0~5.9	10.5~5.7	11.2~5.6	10.6~5.8
COP at 50% capacity	8.8	8.2	8.6	9.5	9.1	9.2	9.0
Performance Condition: Air 15°C/ Water 26°C/ Humidity 70%							
Heating capacity (kW)	4.5	6.0	7.0	9.0	11.5	14.0	17.0
COP	6.1~4.25	6.1~4.1	6.2~4.3	6.1~4.2	6.2~4.2	6.2~4.1	6.2~4.3
COP at 50% capacity	6.0	6.1	5.8	6.0	6.2	5.9	6.0
Sound pressure at 1m dB(A)	39.8~51.2	40.8~51.1	40.6~52.5	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)	43.8	43.9	45.8	48.5	48.7	49.6	50.1
Sound pressure at 10m dB(A)	19.8~31.2	20.8~31.1	20.6~32.5	22.9~33.0	25.2~36.3	25.3~37.1	25.8~37.8
Heat exchanger	Spiral titanium tube in PVC						
Casing	Metal casing with plastic coating						
Rated input power at air 15°C (kW)	0.35~1.0	0.34~1.4	0.34~1.6	0.36~2.0	0.56~2.7	0.6~3.4	0.68~3.95
Rated input current at air 15°C (A)	1.52~4.4	1.48~6.0	1.48~7.0	1.57~8.7	2.43~11.7	2.6~15.0	2.95~17.1
Max input current (A)	6.5	8.0	9.5	12.5	15.0	19.5	21.5
Circuit breaker (A)	8.0	9.5	11.5	15.0	18.0	23.0	25.0
Power cord (mm^2)	3×1.5	3×1.5	3×2.5	3×2.5	3×4	3×4	3×6
Power supply	230V/1 Ph/50Hz						
Advised water flux (m^3/h)	2~4	2~4	3~4	4~6	6~8	8~10	10~12
Water pipe in-out size (mm)	50						
Net dimension LxWxH (mm)	744×359×648	864×359×648	864×359×648	864×359×648	954×359×648)	954×359×748	1084×429×948
Net weight (kg)	42	46	47	49	60	68	90
Qty per 20'FT / 40'HQ (sets)	114/252	102/216	102/216	102/216	90/198	60/198	44/100

* The advised pool volume indicated applies under following conditions: Swimming pool is well covered; system runs at least 15 hours per day;
* Above data is subject to modification without further notice.

CE

COMFORTLINE INVERTER

The Most Economical Pool Heat Pump

R32 ECO

What is Comfortline Inverter ?

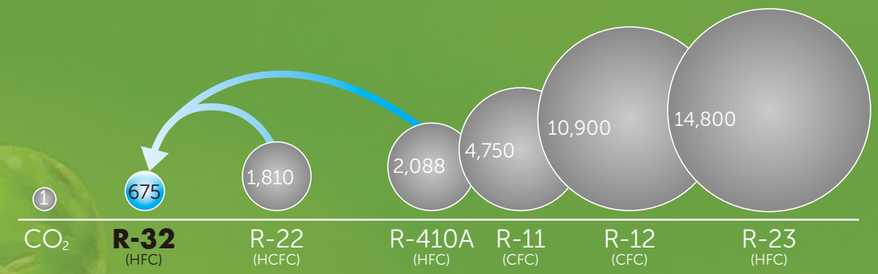
Comfortline Inverter is powered by DC-inverter compressor, it can adjust heating capacity from 20% to 100% intelligently according to different heating demands.

When season starts and heating demand is high, the Comfortline Inverter runs at 100% compressor & fan speed for fast heating.

When maintaining the pool temperature, the Comfortline Inverter runs at low speed for energy saving with higher COP.

MORE ECO FRIENDLY

100 Year Global Warming Potential of Different Refrigerants *



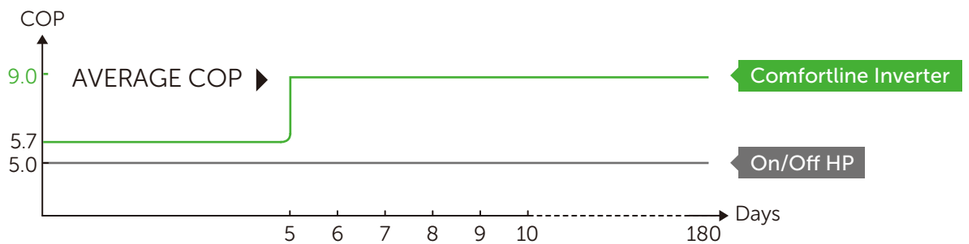
1 AVERAGE COP 9 (Air 26℃ / Water 26℃ / Humidity 80%)

Comfortline Inverter AVERAGE COP is 9 at Air 26°C/ Water 26°C/ Humidity 80%, which means 1kW electricity consumption can provide up to 9kW heat in return. While On/Off HP can only provide 5kW heat as its COP is just around 5.

Capacity \ Model / COP	BPNR06	BPNR08	BPNR09	BPNR13	BPNR17	BPNR21	BPNR25
20% capacity	9.5	9.1	9.5	10.5	10	10.6	10.2
AVERAGE 50% capacity	8.5	8.0	8.3	9.2	8.8	8.9	8.8
100% capacity	5.9	5.6	5.7	5.9	5.7	5.6	5.8

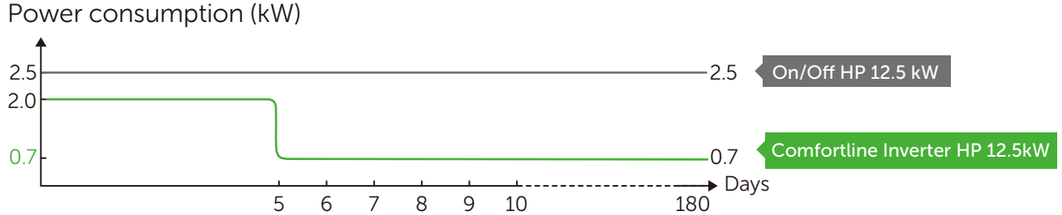
Capacity \ Model / COP	BPN06	BPN08	BPN09	BPN13	BPN17	BPN21	BPN25
20% capacity	10.0	9.5	10.0	11.0	10.5	11.2	10.6
AVERAGE 50% capacity	8.8	8.2	8.6	9.5	9.1	9.2	9.0
100% capacity	5.8	5.6	5.7	5.9	5.7	5.6	5.8

Comfortline Inverter vs On/Off HP (in 180 days pool season)



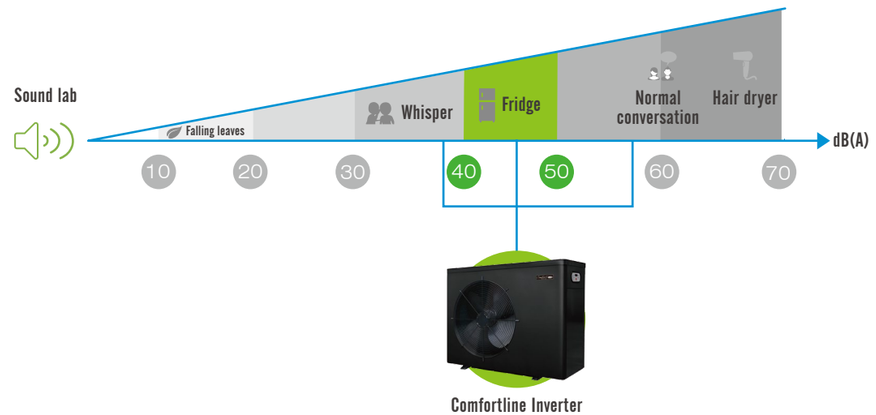
◆AVERAGE power consumption (in 180 days pool season)
(e.g. 12.5kW at Air 26°C/ Water 26°C/ Humidity 80%)

Power consumption (kW)

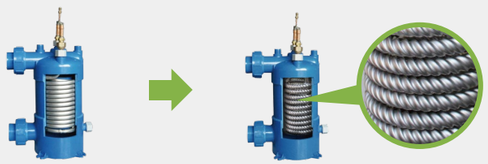


2 7 Times Quieter

Thanks to quiet DC inverter compressor, low-speed running philosophy of compressor & fan motor, Comfortline Inverter can offer you super quiet operation by 7dB(A) lower sound pressure at AVERAGE 50% capacity.



3 Other Advantages



General heat exchanger

Spiral titanium heat exchanger
Enlarge 30% heat exchanging surface

Enable COP 20% higher than On/Off HP in the market

HP-BOOSTER technology

Fast defrosting

Saginomiya 4-way valve