



Comfortline Inverter

—Easy heat, easy fun



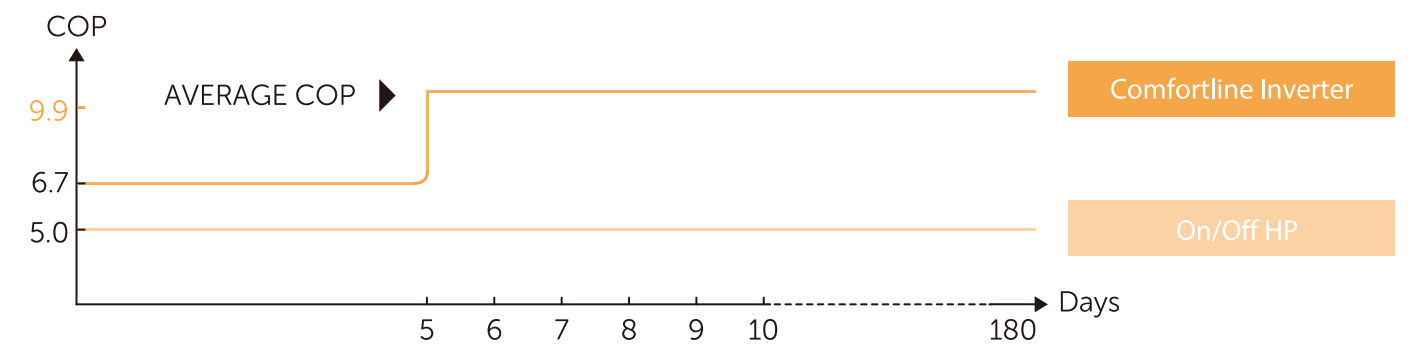
COMFORTLINE INVERTER

◆ Average COP 9.9

Comfortline Inverter AVERAGE COP is 9.9 (Air 26°C/ Water 26°C/ Humidity 80%), which means 1kW electricity consumption can provide up to 9.9kW heat in return. While On/Off HP can only provide 5kW heat as its COP is just around 5.

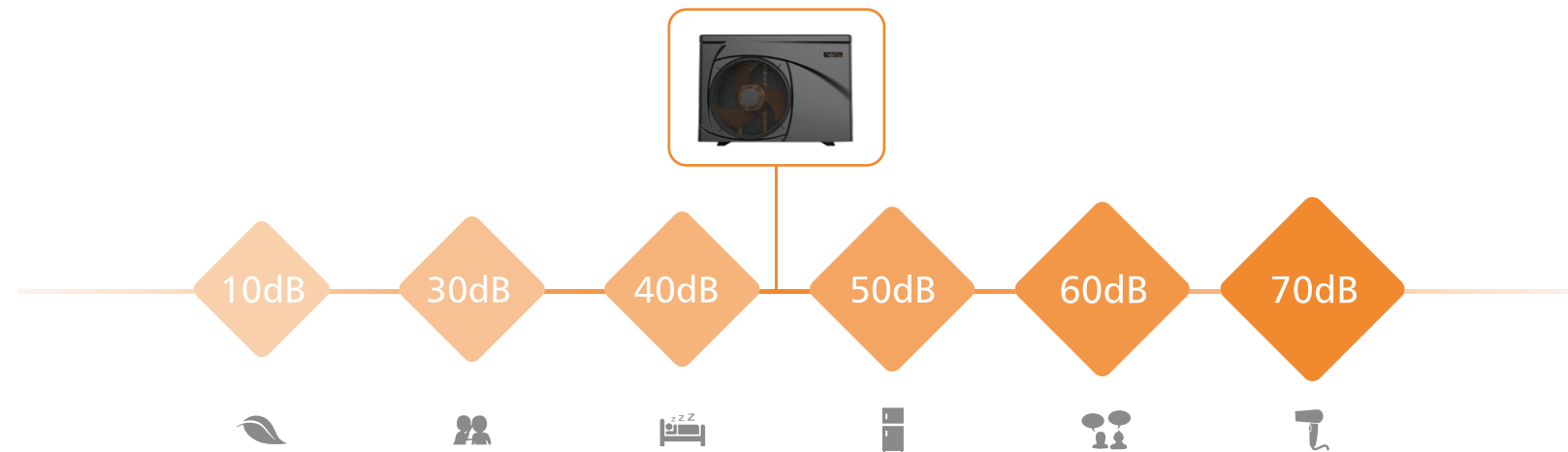
Capacity \ COP	Model	BPNR07	BPNR09	BPNR13	BPNR17	BPNR21	BPNR24
20% capacity		10.3	10.6	11.6	11.2	11.8	11.8
AVERAGE 50% capacity		9.3	9.6	10.1	9.7	10.2	10.2
100% capacity		6.6	6.8	7.0	7.1	6.5	6.5

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



COMFORTLINE INVERTER

◆ 7 Times Quieter



◆ 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

COMFORTLINE INVERTER SPECS R32

Model	MBPNR07	MBPNR09	MBPNR13	MBPNR17	MBPNR21	MBPNR24
Advised pool volume (m ³)	15~30	20~35	30~50	35~65	45~80	55~90
Operating air temperature (°C)	0~43					
Performance Condition: Air 26°C/ Water 26°C/ Humidity 80%						
Heating capacity (kW)	7.0	9.0	12.5	16.0	20.0	24.0
COP	10.3~6.6	10.6~6.8	11.6~7.0	11.2~7.1	11.8~6.5	11.8~6.5
COP at 50% capacity	9.3	9.6	10.1	9.7	10.2	10.2
Performance Condition: Air 15°C/ Water 26°C/ Humidity 70%						
Heating capacity (kW)	5.0	6.3	8.5	11.0	14	16.0
COP	6.0~4.8	6.1~4.5	6.3~4.8	6.4~4.7	6.5~4.6	6.5~4.6
COP at 50% capacity	5.8	5.7	6.1	5.9	6.1	6.2
Sound pressure at 1m dB(A)	38.8~50.2	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	45.8	48.5	48.7	49.6	50.1
Sound pressure at 10m dB(A)	18.8~30.2	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	Plastic Casing					
Power supply	230V/1 Ph/50Hz					
Rated input power at air 15°C (kW)	0.29~1.04	0.36~1.40	0.47~1.78	0.59~2.34	0.75~3.04	0.86~3.48
Rated input current at air 15°C (A)	1.26~4.52	1.57~6.09	2.02~7.74	2.52~10.17	3.26~13.21	3.74~15.13
Advised water flux (m ³ /h)	2~4	3~4	4~6	6.5~8.5	8~10	10~12
Water pipe in-out size (mm)	50					
Net dimension LxWxH (mm)	744x359x648	864x359x648	864x359x648	954x359x648	954x359x748	954x429x755
Net weight (kg)	42	46	49	60	68	78
Qty per 20'FT / 40'HQ (sets)	114/252	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 .

