

## SPECIFICATIONS OF AQUA-INVERTER®

R32

Model	AIR06	AIR08	AIR10	AIR13	AIR15	AIR17	AIR21	AIR28	AIR28T	AIR35T
Advised pool volume (m <sup>3</sup> )	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 / Water 26°C / Humidity 80%										
Heating capacity (kW)	6.5	8.4	10.3	12.8	15.0	17.3	20.4	27.3	27.0	35.6
COP	14.0-5.7	14.1-7.0	14.5-6.9	15.0-7.4	15.5-6.7	14.8-5.9	14.5-5.7	14.6-6.2	14.5-6.2	14.6-5.5
COP at 50% capacity	10.0	10.3	10.4	11.0	10.9	10.5	10.2	10.8	10.8	10.3
Performance Condition: Air 15°C / Water 26°C / Humidity 70%										
Heating capacity (kW)	4.8	6.1	7.1	8.3	10.5	11.4	14.0	18.0	18.0	24.0
COP	7.1-4.3	7.0-4.8	7.3-4.6	7.7-4.8	7.8-4.6	7.5-4.3	7.4-4.2	7.8-4.6	7.6-4.5	7.7-4.5
COP at 50% capacity	6	6.3	6.4	6.8	6.6	6.1	6.1	6.5	6.5	6.8
Sound pressure at 1m dB(A)	37.8-47.2	38.8-48.2	38.6-49.9	42.1-50.7	41.3-54.0	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	46.0	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	21.3-34.0	23.1-33.8	20.9-34.2	23.5-34.9	23.5-34.9	22.6-34.7
Compressor	Twin-rotary Mitsubishi DC inverter									
Heat exchanger	Spiral titanium tube in PVC									
Casing	ABS Casing									
Power supply	230V/1 Ph/50Hz					400V/3 Ph/50Hz				
Rated input power at air 15°C (kW)	0.13-1.1	0.17-1.2	0.19-1.5	0.22-1.73	0.27-2.2	0.3-2.6	0.38-3.3	0.57-3.8	0.53-3.9	0.62-5.2
Rated input current at air 15°C (A)	0.56-4.78	0.74-5.2	0.83-6.5	0.96-7.52	1.17-9.6	1.3-11.3	1.65-14.3	2.48-16.5	0.76-5.6	0.89-7.4
Max input current (A)	6.5	8.0	9.0	10.0	11.0	13.5	17.5	21.0	7.0	9.5
Circuit breaker (A)	8.0	10.5	11.0	12.0	13.5	16.0	21.0	25.0	9.0	12.0
Power cord (mm <sup>2</sup> )	3x1.5	3x1.5	3x2.5	3x2.5	3x2.5	3x2.5	3x4	3x6	5x2.5	5x2.5
Advised water flux (m <sup>3</sup> /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 LxWxH (mm)	961x340x658	961x340x658	961x340x658	961x340x658	961x340x658	961x420x658	961x420x758	1092x420x958	1092x420x958	1161x530x958
Net Weight (kg)	42	45	49	50	52	63	68	90	93	120
Qty per 20'FT / 40'HQ (sets)	90/198	90/198	90/198	90/198	90/198	78/165	52/165	44/100	44/100	34/72
* The values indicated are valid under ideal conditions: Pool is well covered, filtration system running at least 15 hours a day. * Above data is subject to modification without notice.										



# Aqua-inverter®

10 TIMES QUIETER AVERAGE 46 dB(A) at 1m  
 DOUBLE ENERGY SAVING AVERAGE COP 11  
 (Air 26°C/ Water 26°C/ Humidity 80%)



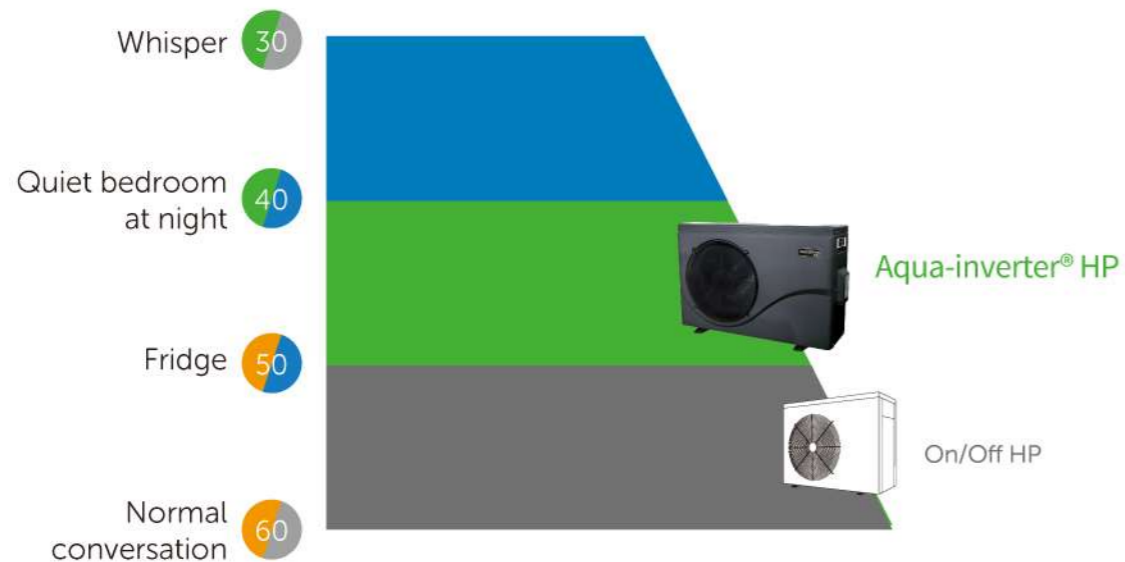
## UNIQUE FULL-INVERTER® TECHNOLOGY

Aqua-inverter® HP is powered by Full-inverter® Technology. It adopts variable speed compressor & fan motor which adjusts the compressor speed hertz by hertz and fan speed round by round. The low-speed running philosophy of Aqua-inverter® can benefit the customers with higher COP and lower sound pressure.

### 1 10 Times Quieter

-AVERAGE sound pressure 46 dB(A) at 1 m

When maintaining the desired pool temperature at 50% capacity, the AVERAGE sound pressure of an Aqua-inverter® HP is 46 dB(A) at 1 m, compared with sound pressure 56-60 dB(A) of an On/Off HP, it brings you 10 times quieter swimming environment.

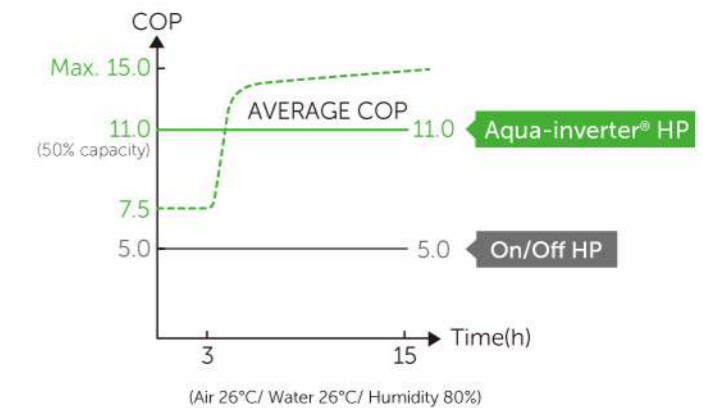


### 2 Double Energy Saving

-AVERAGE COP 11 at 50% capacity, Max. COP 15

When maintaining the desired pool temperature at 50% capacity, the AVERAGE COP of an Aqua-inverter® is 11, while the COP of an On/Off HP is around 5, so it is double energy saving.

◆ COP in 15 hours' heating per day (when maintaining pool temperature)



◆ Power consumption in 15 hours' heating per day (e.g. 17.3kW at Air 26°C/ Water 26°C/ Humidity 80%)

