

## AQUA-INVERTER

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% / Air 78.8°F, Water 78.8°F, Humidity 80%										
Heating capacity (Btu/h)	22200	28700	35200	43700	51200	59000	69600	93200	92200	121500
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% / Air 59°F, Water 78.8°F, Humidity 80%										
Heating capacity (Btu/h)	16400	20800	24200	30400	35800	38900	47800	61400	61400	81900
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/60Hz					400V/3 Ph/50Hz/60Hz				
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
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
Advised water flux (Litres/h)	2000~4000	2000~4000	3000~4000	4000~6000	5000~7000	6500~8500	8000~10000	10000~12000	10000~12000	12000~18000
Water pipe in-out size (mm)	50									
Net dimension LxWxH (mm)	961×340×658	961×340×658	961×340×658	961×340×658	961×340×658	961×420×658	961×420×758	1092×420×958	1092×420×958	1161×530×958
Net Weight (kg)	42	45	49	50	52	63	68	90	93	120
Net weight (lbs)	93	99	108	110	115	139	150	198	205	265
Qty per 20' FT / 40'HQ (sets)	90/198	90/198	90/198	90/198	90/198	78/165	52/165	48/104	48/104	34/72