

SPECIFICATIONS OF WELLDANA TURBOSILENCE INVERTER POOL HEAT PUMP



Model	34-180650	34-180652	34-180653	34-180654	34-180655	34-180656
Advised pool volume (m ³)	20~40	25~50	30~60	55~100	65~120	90~160
Operating air temperature (°C)	-15~43					
Performance Condition: Air 26°C, Water 26°C, Humidity 80%						
Heating capacity (kW) in Smart mode	8.5	11.0	13.8	21.5	27.0	35.0
Heating capacity (kW) in Turbo mode	10.2	13.2	16.8	25.5	31.5	40.0
COP in Smart mode	7.8	8.2	7.5	7.8	7.4	7.3
COP	15.1~7.1	15.0~7.3	15.5~6.4	16.0~6.8	15.8~6.3	15.8~6.4
COP at 50% capacity	11.4	11.6	11.2	11.3	11.2	11.1
Performance Condition: Air 15°C, Water 26°C, Humidity 70%						
Heating capacity (kW) in Smart mode	6.3	7.3	9.4	14.8	18.0	24.0
Heating capacity (kW) in Turbo mode	7.5	8.8	11.3	17.5	21.5	28.0
COP in Smart mode	5.2	5.3	5.0	5.4	5.3	5.1
COP	6.9~4.8	6.8~4.9	7.3~4.4	7.8~4.9	7.8~4.9	7.9~4.7
COP at 50% capacity	6.5	6.5	6.6	6.8	6.8	6.7
Sound pressure at 1m dB(A)	38.5~45.5	38.6~46.9	42.0~47.7	40.8~51.2	43.3~51.9	42.5~51.7
Sound pressure of 50% capacity at 1m dB(A)	39.5	41.3	43.7	44.4	46.4	43.8
Sound pressure at 10m dB(A)	18.5~25.5	18.6~26.9	22.0~27.7	20.8~31.2	23.3~31.9	22.5~31.7
Heat exchanger	Spiral titanium tube in PVC					
Casing	Aluminum-alloy or ABS Casing					
Power supply	230V/1 Ph/50Hz			400V/3 Ph/50Hz		
Rated input power at air 15°C (kW)	0.18~1.53	0.22~1.8	0.26~2.56	0.38~3.53	0.46~4.4	0.60~5.94
Rated input current at air 15°C (A)	0.78~6.65	0.96~7.82	1.14~11.3	1.65~15.3	0.66~6.35	0.87~8.57
Advised water flux (m ³ /h)	2~4	3~4	4~6	8~10	10~12	12~18
Water pipe in-out size (mm)	50					
Net Dimension LxWxH (mm)	893×432×650	893×432×650	939×432×650		1026×829×962	1260×539×947
Net weight (kg)	59	61	65	98	111	126
Qty per 20'FT / 40'HQ (sets)	78/180	78/180	78/168	42/92	36/80	34/72
Gas (g)	550	800	1000	2000	2300	3200
GWP	675					
CO2 equivalent (tonnes)	0.371	0.540	0.675	1.350	1.553	2.160

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