

Mr. Silence 30 Heat pumps

APXC120 - APXC140 - APXC170 - APXC200 - APXC230
- APXC270 - APXC270s - APXC340s - APXC410s



AQUA[®]
FORTE

Channel: HPP Pool Pro Brick & Mortar

USP'S

- **InverPad® Turbo**

- It redefines the pool heating industry with its unique 'Pad' design, revolutionary Turbo Technology that actively guides airflow, intelligent AI-Inverter Algorithm and Stepless DC inverter technology.

- **30X Silence 36.4 dB(A)**

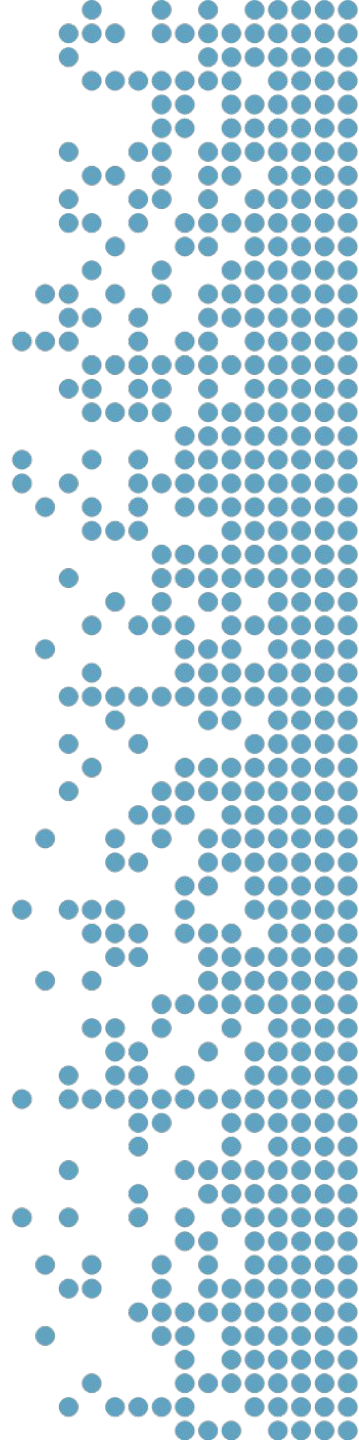
- Thanks to the InverPad® Turbo technology, this unit is 15 dB(A) quieter than traditional On/Off heaters, resulting in a dramatic reduction in sound intensity.

- **22X Saving**

- With a COP of up to 22, this system achieves an ideal match between the compressor, motor and EEV for higher efficiency. Every 1kW of electricity produces up to a maximum of 22kW heat output, offering an average of 95% free energy from ambient air.

- **Ready for -20°C**

- 4-season swimming. With an improved inverter control system, Mr. Silence 30 will smartly adapt the EVO reverse cycle defrosting to maximize heat output. Delivering peak efficiency even in the hardest conditions.



Other features

- Aluminum-alloy Casing
- Tempered-glass controller with built-in WiFi
- Power Consumption Reading
- Mitsubishi twin-rotary compressor
- Twisted titanium heat exchanger
- EVO Reverse Cycle defrosting



Technical details

Model	APXC120	APXC140	APXC170	APXC200	APXC230	APXC270	APXC270s	APXC340s	APXC410s
SKU	SC931	SC930	SC932	SC933	SC934	SC935	SC937	SC939	SC940
Technology	InverPad® Turbo								
Operating air temperature (°C)	-20°C~43°C								
Gas	R32								
Advised pool volume (m ³) *	25-45	30~55	35~65	40-75	45~80	60~90	60~90	66~110	75~120
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humidity 80%									
Heating capacity (kW) - Turbo Mode	11.6	13.8	17.2	20.3	22.8	26.8	26.8	33.5	41.2
Heating capacity (kW) - Perfect Mode	9.3	11.0	13.4	14.7	17.7	21.0	21.1	25.6	32.3
COP range	19.3~7.6	19.7~7.7	20~7.9	19.7~7.7	20~7.8	19.6~7.8	19.1~7.5	19.4~7.5	18.7~7.7
Average COP at 50% Speed	14.3	14.5	14.8	14.4	14.8	14.5	14.1	14.3	14
PERFORMANCE CONDITION: Air 15°C / Water 26°C / Humidity 70%									
Heating capacity (kW) - Turbo Mode	7.9	9.1	11.6	13.5	14.9	18.5	18.7	23.4	29.0
Heating capacity (kW) - Perfect Mode	6.5	7.4	9.1	10.5	11.9	14.9	14.8	18.7	23.2
COP range	7.7~5.5	8.3~5.4	8.7~5.6	7.9~5.7	9.4~5.8	8.9~5.6	8.1~5.3	7.8~5.5	7.3~5.4
Average COP at 50% Speed	6.9	7.4	7.5	7.1	7.9	7.5	7.3	7.0	6.9
COMPONENTS									
Compressor	Twin-Rotary Mitsubishi DC Compressor								
Heat exchanger	Twisted Titanium Heat Exchanger								
Fan motor	Turbo Fan								
Casing	Aluminum-alloy Casing								
Power supply	230V 1Ph						400V 3Ph		

* The data above is for reference only. For specific data, please refer to the nameplate on the unit.

* Advised pool volume applies to a private pool with isothermal cover, from April to September.

Technical details

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SKU	SC931	SC930	SC932	SC933	SC934	SC935	SC937	SC939	SC940
SOUND									
Sound level at 1m dB(A)	36.3~42.7	36.5~44.0	37.4~45.6	37.6~46.1	37.9~46.9	38.1~48.4	38.3~48.7	38.4~49.0	38.9~49.6
Sound level by 50% speed 1m dB(A)	36.7	38.5	40.4	40.6	41.1	41.4	41.3	43.3	43.7
Sound level at 10m dB(A)	16.3~22.7	16.5~24.0	17.4~25.6	17.6~26.1	17.9~26.9	18.1~28.4	18.3~28.7	18.4~29.0	18.9~29.6
OTHERS									
Rated input power (kW)	0.21~1.72	0.24~2.02	0.30~2.47	0.34~2.87	0.37~3.10	0.47~3.94	0.50~4.16	0.61~5.09	0.77~6.44
Input power at 50% Speed (kW)	0.57	0.61	0.77	0.95	0.94	1.23	1.28	1.67	2.10
Rated input current (A)	0.91~7.48	1.04~8.78	1.30~10.74	1.48~12.48	1.61~13.48	2.04~17.13	0.72~6.03	0.88~7.38	1.12~9.33
Advised water flux (m ³ /h)	2~4	3~4	4~6	5~7	6~9	8~10	8~10	10~12	12~18
Water connection (mm)	50mm /48.3mm								

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