

6. Technical parameter

Model		MPXC100	MPXC120	MPXC150	MPXC170	MPXC190
Advised pool volume (m ³)		20-35	25-45	30~55	35~65	40-75
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%						
Turbo Mode	Heating capacity (kW)	10.2	12	15	17.5	19.5
Perfect Mode	Heating capacity (kW)	7.8	9.4	11.6	13.6	15.2
	COP	19.5~7.8	19.7~8.1	20~8.1	20.4~8.1	20~7.8
	Average COP	14.4	14.5	14.8	14.9	14.6
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%						
Turbo Mode	Heating capacity (kW)	7	8.1	9.8	12	13
Perfect Mode	Heating capacity (kW)	5.5	6.6	7.8	9.5	10.9
	COP	7.9~5.6	8.1~5.7	8.4~5.6	9.0~5.8	7.9~5.5
	Average COP	7.1	7.2	7.6	7.7	7
PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%						
Cooling capacity (kW)		4.8	5.5	6.7	9.4	10.8
Operating air temperature (°C)		-20°C~43°C				
Power supply		230V~/1Ph/50Hz				
Rated input power (kW)		0.16~1.35	0.18~1.53	0.23~1.88	0.27~2.22	0.31~2.55
Input power at 50% speed (kW)		0.49	0.56	0.64	0.78	0.93
Rated input current (A)		0.70~5.87	0.78~6.65	1.00~8.17	1.17~9.65	1.35~11.09
Sound level at 1m dB(A)		36.0~41.8	36.0~42.5	36.3~43.9	37.2~45.5	37.5~46.0
Sound level 50% at 1m dB(A)		36.4	36.5	38.4	40.3	40.5
Sound level at 10 m dB(A)		16.0~21.8	16.0~22.5	16.3~23.9	17.3~25.5	17.5~26.0
Advised water flux (m ³ /h)		2~4	2~4	3~4	4~6	5~7
Water connection (mm)		48.3mm				
R32 gas weight (g)		1150	1150	1250	1350	1450
GWP		675				
CO2 Equivalent(Tonnes)		0.776	0.776	0.844	0.911	0.979

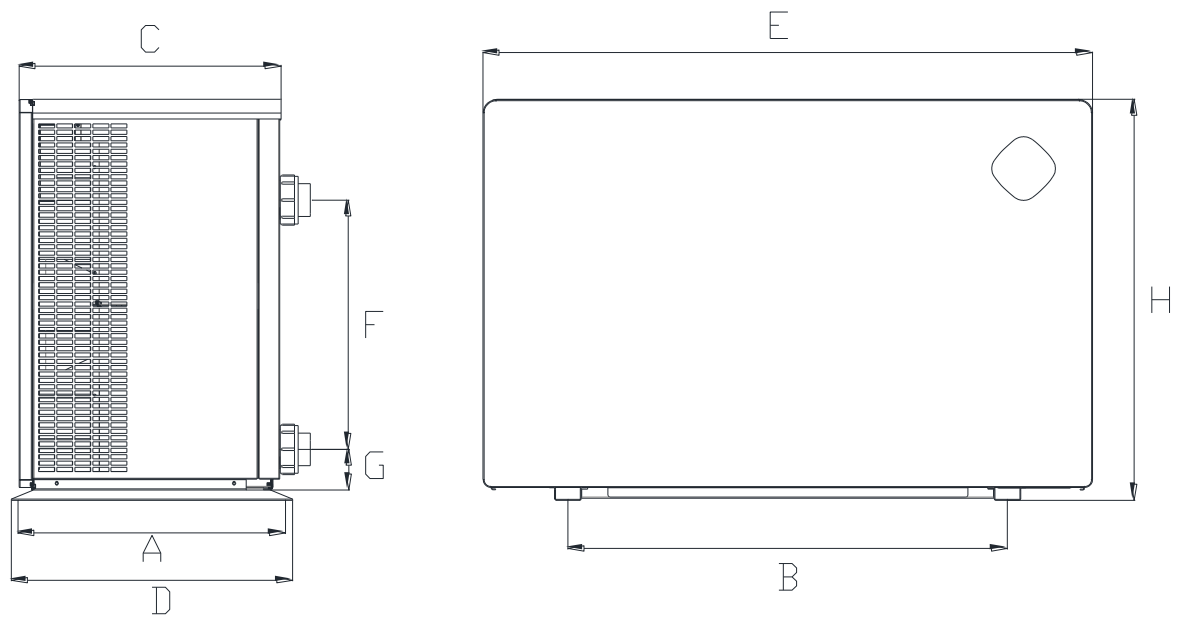
Model		MPXC230	MPXC280	MPXC340	MPXC340s	MPXC420s
Advised pool volume (m ³)		45~80	60~90	66~110	66~110	75~120
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%						
Turbo Mode	Heating capacity (kW)	23	28	34	33.5	42
Perfect Mode	Heating capacity (kW)	18	21.6	26	26	32.5
	COP	22.0~8.2	20.0~8.0	20~7.8	19.5~8.0	18.9~7.8
	Average COP	15.3	14.7	14.6	14.4	14.2
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%						
Turbo Mode	Heating capacity (kW)	15	19.3	23.5	23	30
Perfect Mode	Heating capacity (kW)	12	15	18.8	18.8	23.5
	COP	9.6~6	8.9~5.7	8.0~5.7	8.0~5.6	7.8~5.5
	Average COP	8.1	7.6	7.1	7.1	7
PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%						
Cooling capacity (kW)		11.9	13.5	15.4	15.4	20
Operating air temperature (°C)		-20°C~43°C				
Power supply		230V~/1Ph/50Hz			400V 3N~, 50Hz	
Rated input power (kW)		0.33~2.73	0.44~3.64	0.53~4.43	0.53~4.42	0.71~5.88
Input power at 50% speed (kW)		0.93	1.27	1.65	1.62	2.14
Rated input current (A)		1.43~11.87	1.91~15.83	2.30~19.26	0.77~6.41	1.03~8.52
Sound level at 1m dB(A)		37.6~46.8	37.9~48.2	38.2~48.7	38.3~48.8	38.8~49.3
Sound level 50% at 1m dB(A)		41	41.2	43	43.2	43.6
Sound level at 10 m dB(A)		17.6~26.8	17.9~28.2	18.2~28.7	18.3~28.8	18.8~29.3
Advised water flux (m ³ /h)		6~9	8~10	10~12	10~12	12~18
Water connection (mm)		48.3mm				
R32 gas weight (g)		1550	2400	3000	3000	3600
GWP		675				
CO2 Equivalent(Tonnes)		1.046	1.62	2.025	2.025	2.43

Remarks:

This heat pump is able to perform normal within air temp -20°C~+43°C, efficiency will not be guaranteed out of this range. Please take into consideration that the pool heat pump performance and parameters are different under various conditions.

Related parameters are subject to adjustment periodically for technical improvement without further notice. For details, please refer to nameplate.

7. Dimension



Size(mm) Model	Name	A	B	C	D	E	F	G	H
MPXC100		505	616	494	530	936	300	77	655
MPXC120		505	616	494	530	936	300	77	655
MPXC150		505	616	494	530	936	340	77	655
MPXC170		505	715	494	530	1036	370	77	655
MPXC190		505	715	494	530	1036	380	77	655
MPXC230		505	784	494	530	1104	470	77	757
MPXC280		505	808	514	545	1129	550	75	945
MPXC340		520	939	514	545	1310	570	75	945
MPXC340s		520	939	514	545	1310	570	75	945
MPXC420s		520	994	514	545	1405	670	75	1070

※Above data is subject to modification without notice.

Note: Above swimming pool heat pump specification drawing is for installation reference only to technical staff.