

Heat pump heaters for swimming pools

ONSEN

INTEGRATED

Wi-Fi



- New design, ABS plastic casing, rustproof
- R32 refrigerant gas
- 5 single-phase models from 7.76 to 21.41 kW;
1 three-phase model from 30.05 kW
- **Titanium** heat exchanger
- Operating air temperature -15°C~+43°C



Full DC Inverter technology

The heaters for swimming pools ONSEN is equipped with:

- High efficiency DC Inverter compressor;
- DC Inverter fan motor.

The design of the expulsion grille and the sawtooth fan guarantees an increase in air flow and a low noise level.

single-phase

TCPNS 701 Z - TCPNS 1001 Z
TCPNS 1301 Z - TCPNS 1701 Z
TCPNS 2101 Z

three-phase

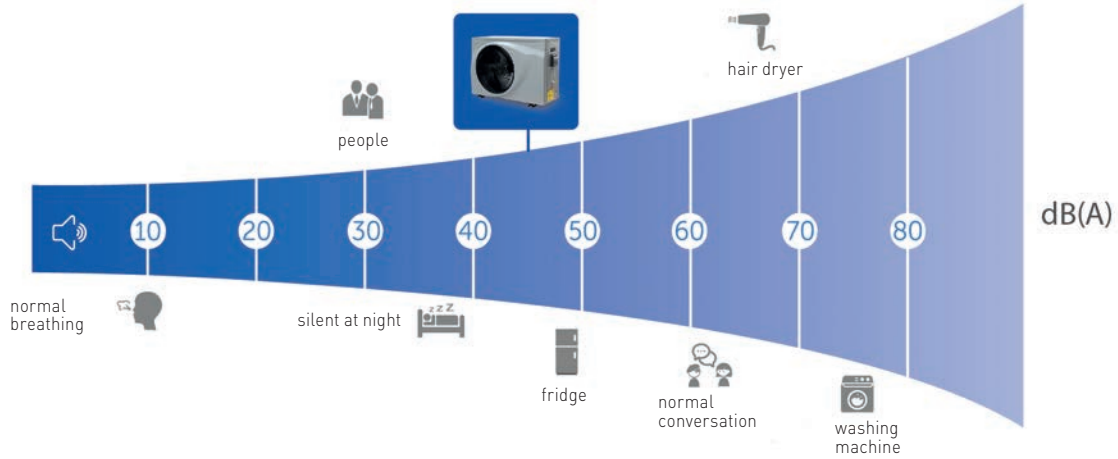
TCPSS 3001 Z

GAS
R32



Model		TCPNS 701 Z	TCPNS 1001 Z	TCPNS 1301 Z	TCPNS 1701 Z	TCPNS 2101 Z	TCPSS 3001 Z
Air heating capacity 26°C, humidity 80%, water 26°C input, 28°C output							
Heating capacity	kW	7.76~1.76	10.55~2.40	13.61~3.09	17.15~3.88	21.41~4.85	30.05~6.84
Power consumption	kW	1.12~0.11	1.52~0.15	1.95~0.19	2.46~0.24	3.08~0.30	4.30~0.42
COP		15.75~6.94	15.84~6.95	16.12~6.98	15.96~6.98	15.95~6.96	16.14~6.99
Air heating capacity 15°C, humidity 70%, water 26°C input, 28°C output							
Heating capacity	kW	5.76~1.30	7.85~1.78	10.12~2.29	12.78~2.89	15.91~3.59	22.14~4.99
Power consumption	kW	1.16~0.17	1.58~0.23	2.03~0.30	2.57~0.38	3.20~0.47	4.44~0.65
COP		7.57~4.96	7.59~4.97	7.64~4.99	7.63~4.98	7.59~4.97	7.63~4.99
Cooling capacity air 35°C, water 29°C input, 27°C output							
Cooling capacity	kW	4.28~1.06	5.92~1.48	7.25~1.82	9.47~2.35	11.58~2.96	15.89~3.93
Power consumption	kW	1.15~0.16	1.57~0.22	1.89~0.26	2.51~0.34	3.07~0.43	4.17~0.56
EER		6.61~3.73	6.74~3.76	6.95~3.83	6.89~3.78	6.87~3.77	6.98~3.81
Power supply		220~240V / 1/ 50 Hz					380~415V / 3/ 50 Hz
Rated input power	kW	1.20	1.60	2.10	2.60	3.20	4.40
Rated current	A	5.40	7.30	9.40	11.70	14.60	7.90
Compressor		Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
Refrigerant		R32	R32	R32	R32	R32	R32
Heat exchanger		Titanium	Titanium	Titanium	Titanium	Titanium	Titanium
Air flow direction		horizontal	horizontal	horizontal	horizontal	horizontal	horizontal
Water flow volume	m³/h	2.5	3.5	4.5	5.5	6.5	9
Type of defrosting		via 4-way valve	via 4-way valve	via 4-way valve	via 4-way valve	via 4-way valve	via 4-way valve
Operating temperature range	°C	-15~43	-15~43	-15~43	-15~43	-15~43	-15~43
Noise level	dB(A)	≤ 43	≤ 43	≤ 46	≤ 46	≤ 46	≤ 48
Housing material		ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic
Colour		Brown					
Net dimensions (WxDxH)	mm	860x320x592	860x320x592	920x360x640	920x360x640	920x360x640	1080x370x730
Packaging dimensions (WxDxH)	mm	940x400x710	940x400x710	990x430x760	990x430x760	990x430x760	1140x440x860
Net weight	kg	40	42	51	54	58	86
Gross weight	kg	51	53	62	65	69	97
Level of water resistance		IPX4	IPX4	IPX4	IPX4	IPX4	IPX4

Silence



Applications

