

# AIR TO WATER OUTDOOR UNIT

## PUZ-WZ60VAA / PUZ-WZ85YAAH-SC / PUZ-WZ100YAAH-SC / PUZ-WZ120YAAH-SC



### Quiet, Efficient, and Designed for the Scandinavian Climate

**R290** 

The PUZ-WZ is developed specifically for the Scandinavian climate, delivering high performance even in extreme cold. With its new, quieter compressor and reduced pressure drop, you get efficient heating with minimal noise levels. PUZ-WZ is the smart choice for those seeking a quiet, powerful, reliable, and energy-efficient solution for their home.

- ✓ Made for Scandinavia
- ✓ Highest energy class A+++
- ✓ Even quieter with noise reduction up to -4 dB
- ✓ Guaranteed operation down to -25°C
- ✓ Built-in bottom tray heater to prevent ice formation
- ✓ Flow temperature up to 75°C
- ✓ Flexible installation with pipe length up to 50 meters
- ✓ Designed for both heating and cooling
- ✓ Innovative, in-house developed compressor technology



# Product information

TECHNICAL INFORMATION - PUZ-WZ						
OUTDOOR UNIT (MODEL)			PUZ-WZ60VAA	PUZ-WZ85YAAH-SC	PUZ-WZ100YAAH-SC	PUZ-WZ120YAAH-SC
HEATING	(A) Pdesign / SCOP 35 °C / ηs % <sup>1</sup>	kW/rank/SCOP/%	6,0 / A+++ / 4,51 / 175	8 / A+++ / 4,58 / 178	9,5 / A++ / 4,74 / 184	11 / A++ / 4,84 / 188
	(A) Pdesign / SCOP 55 °C / ηs % <sup>1</sup>	kW/rank/SCOP/%	6,0 / A++ / 3,53 / 137	8 / A++ / 3,61 / 140	9,5 / A++ / 3,58 / 139	11 / A++ / 3,61 / 140
	(C) Pdesign / SCOP 35 °C / ηs % <sup>1</sup>	kW/rank/SCOP/%	4,0 / A++ / 3,68 / 143	8 / A++ / 3,86 / 150	9,5 / A++ / 3,86 / 150	11 / A++ / 4,09 / 159
	(C) Pdesign / SCOP 55 °C / ηs % <sup>1</sup>	kW/rank/SCOP/%	4,0 / A+ / 2,96 / 115	8 / A+ / 3,06 / 119	9,5 / A+ / 3,14 / 122	11 / A+ / 3,14 / 122
	Capacity (A7/W35) / Input / COP <sup>2</sup>	kW / kW / COP	7,2 / 1,53 / 4,72	12 / 3,21 / 3,74	16 / 4,36 / 3,67	18,3 / 5,41 / 3,38
	Capacity at -15°C / 35°C	kW	5,4	7,8	9,3	10,7
	Capacity at -15°C / 45°C	kW	4,8	7,6	8,8	10
	Capacity at -15°C / 75°C	kW	2,6	6,2	6,9	8,2
	Capacity at -25°C / 65°C	kW	2,7	5	6	6,1
	Heating Capacity (Min-Nominal-Max) A2/W35	kW	1,6 – 6,0 – 6,8	3,4 – 8,5 – 9,4	4,2 – 10,0 – 11,3	4,2 – 12,0 – 13,4
Heating Capacity (Min-Nominal-Max) A7/W50	kW	1,7 – 5,0 – 6,8	4,8 – 8,5 – 11,0	5,4 – 10,0 – 15,1	5,4 – 12,0 – 15,6	
COOLING	EER	EER	2,51	2,39	3,1	2,27
	Cooling Capacity (Max – Min) A35/W7	kW	3,8 – 0,9	8,8 – 2,91	10,5 – 3,1	11,7 – 3,1
Dimensions (W x H x D)	mm	1050 x 1020 x 480	1050 x 1040 x 480	1050 x 1040 x 480	1050 x 1040 x 480	
Weight	kg	89	118	132	132	
Guaranteed operation range (Heating / Cooling)	°C	-25 / 10	-25 / 10	-25 / 10	-25 / 10	
Sound level - Heating / Cooling (SPL) <sup>3</sup>	dB(A)	42 / 45	47 / 47	47 / 50	47 / 50	
Sound level - Heating (PWL) Lwa <sup>4</sup>	dB(A)	56	54	55	55	
Connection	DN	G1	G1	G1	G1	
Recommended breaker size	A	1 x 16	3 x 16	3 x 16	3 x 16	
Operating current (Max)	A	13	12	12	12	
Electric data	V / Phase / Hz	230 / 1-Phase / 50	400 / 3-Phase / 50	400 / 3-Phase / 50	400 / 3-Phase / 50	
Recommended Fluid Flow	l/min	10,8	14,3	17,9	21,5	
Refrigerant / GWP <sup>5</sup>		R290 / 0,02	R290 / 0,02	R290 / 0,02	R290 / 0,02	
Refrigerant charge	Weight / CO2-equivalent	kg / kg	0,6 / 0,012	0,6 / 0,012	0,82 / 0,0164	

The provided data is in combination with EHPT20X-YM9E.

(A) Moderate climate (C) Cold climate

<sup>1</sup> SCOP (Seasonal Coefficient of Performance) / Annual Average Efficiency – Climate zones according to ErP Directive 811/2013 (A+++ to D). The system's efficiency is stated with the built-in temperature controller. When combined with another outdoor unit, efficiency must be adjusted.

<sup>2</sup> Declared output according to EN 14511, including defrosting and part-load operation.

<sup>3</sup> Specified at nominal output.

<sup>4</sup> According to EN 12102.

<sup>5</sup> This product contains refrigerant type R290 with a GWP value of 0.02 (CO<sub>2</sub> = 1kg). This GWP value is based on EU Directive 517/2014 from the IPCC 4th edition. When interfering with the system, the requirements of the applicable F-gas regulation must be followed.

## ACCESSORIES - PUZ-WZ

ARTICLE	INFORMATION
MARKSTATIV-AA-YDA	Stainless steel stand.
VDR-AA	Angle drip tray for mounting under the outdoor unit's drip tray. Fits MARKSTATIV-AA-YDA. Heating cable (MAC-AUTO3-3-E2, operating temperature Min -40°C / Max +180°C) and quick connector (SVH-41T-P1.3) included. <b>Note! In cold climate regions, it is recommended to connect the heating cable directly to terminal S1(F) and S2(N) ground.</b>
DP-AA-YDA	Stainless steel drip tray with pre-installed fixed electric heating element (MAC-AUTO8-E1, operating temperature Min -40°C / Max +180°C). Fits Markstativ AA-YDA.
SH-AA-E1	Snow and wind hood.
PAC-SC36NA-E	Capacity limitation for the outdoor unit.
MAC-AUTO3-1,5-E2	1.5 m heating cable incl. thermostat for installation in drainage outlets. Operating temperature Min -40°C / Max +180°C.
MAC-AUTO3-3-E2	Värmekabel 3 m inkl. klaxon för montering i dränavlopp. Arbetstemperatur Min -40°C / Max +180°C.
MAC-AUTOSTART1-E2	Complete heater control with thermostat and ground fault circuit breaker for heating cables. Can control up to 6 heaters.

TECHNICAL DRAWING - PUZ-WZ	MM				
MODELS	A	B	C	D	E
85 / 100 / 120	1040	1050	480	225	520

