

Power Inverter PUAZ ZRP-35-250 series heat pumps (air conditioners)



Outdoor unit specifications

Model	PUHZ-ZRP35VKA	PUHZ-ZRP50VKA	PUHZ-ZRP60VHA	PUHZ-ZRP71VHA
Cooling				
Nominal power (kW)	3.5 (1.6-4.5)	5.0 (2.3-5.6)	6.1 (2.7-6.5)	7.1 (3.3-8.1)
SEER*	6.5	5.6	5.7	6.4
Energy class	A++	A+	A+	A++
Heating				
Nominal power (kW)	4.1 (1.6-5.2)	6.0 (2.5-7.3)	7.0 (2.8-8.2)	8.0 (3.5-10.2)
Heat quantity kW when the outside temp. - 10°C	2.3	3.8	4.4	4.7
Heat quantity kW when the outside temp. - 20°C	2.2. (with -11°C outside temp)	3.7 (with -11°C outside temp)	2.8	3.5

SCOP*	4.3	4.1	3.9	4.3
Energy class	A+	A+	A	A+
Dimensions (mm)	630 x 809 x 300(+23)	630 x 809 x 300(+23)	943 x 950 x 330(+30)	943 x 950 x 330(+30)
Weight (kg)	43	46	67	67
Level of noise (dB(A)) for heating/cooling	46/44	46/44	48/47	48/47
Airflow (m ³ /h)	2700	2700	3300	3300
Power supply voltage (V/phase/Hz)	230/1/50	230/1/50	230/1/50	230/1/50
Maximum operating current (A)	13.0	13.0	19.0	19.0
Recommended fuse (A)	16	16	25	25
Maximum pipe length (m)	50	50	50	50
Maximum height difference of pipes between indoor-outdoor units (m)	30	30	30	30
Pipe bores (gas/liquid)	1/4" ... 1/2"	1/4" ... 1/2"	3/8" ... 5/8"	3/8" ... 5/8"
Temperature range for guaranteed cost-efficient operation (°C):				
Heating	-11~+21	-11~+21	-20~+21	-20~+21
Cooling**	-15~+46	-15~+46	-15~+46	-15~+46

Model	PUHZ-ZRP100YKA	PUHZ-ZRP125YKA	PUHZ-ZRP140YHA
Cooling			
Nominal power (kW)	9.5 (4.9-11.4)	12.5 (5.5-14.0)	13.4 (6.2-15.0)
SEER*	6.4	4.9	5.5
Energy class	A++	-	-
Heating			
Nominal power (kW)	11.2 (4.5-14.0)	14.0 (5.0-16.0)	16.0 (5.7-18.0)
Heat quantity kW when the outside temp. -10°C	7.8	9.3	10.6
Heat quantity kW when the outside temp. -20°C	5.8	7.0	7.9

SCOP*	4.3	3.9	4.0
Energy class	A+	-	-
Dimensions (mm)	1338 x 1050 x 330(+40)	1338 x 1050 x 330(+40)	1338 x 1050 x 330(+40)
Weight (kg)	123	125	131
Power supply voltage (V/phase/Hz)	51/49	52/50	52/50
Airflow (m ³ /h)	6600	7200	7200
Power supply voltage (V/phase/Hz)	400/3/50	400/3/50	400/3/50
Maximum operating current (A)	8.0	9.5	13.0
Recommended fuse (A)	16	16	16
Maximum pipe length (m)	75	75	75
Maximum height difference of pipes between indoor-outdoor units (m)	30	30	30
Pipe bores (gas/liquid)	3/8" ...5/8"	3/8" ...5/8"	3/8" ...5/8"
Temperature range for guaranteed cost-efficient operation (°C):			
Heating	-20~+21	-20~+21	-20~+21
Cooling**	-15~+46	-15~+46	-15~+46

Model	PUHZ-ZRP200YKA	PUHZ-ZRP250YKA
Cooling		
Nominal power (kW)	19.0 (9.0-22.4)	22.0 (11.2-27.0)
EER	2.94	2.65
Heating		
Nominal power (kW)	22.4 (9.5-25.0)	27.0 (12.5-31.0)
COP	3.23	3.02
Dimensions (mm)	1338 x 1050 x 330(+40)	1338 x 1050 x 330(+40)
Weight (kg)	135	135
Level of noise (dB(A))	59-62	59-62
Airflow (m ³ /h)	8400	8400
Power supply voltage (V/phase/Hz)	400/3/50	400/3/50
Maximum operating current (A)	19.0	21.0
Recommended fuse (A)	32	32

Maximum pipe length (m)	100	100
Maximum height difference of pipes between indoor-outdoor units (m)	30	30
Pipe bores (gas/liquid)	3/8" ...1"	1/2" ...1"
Temperature range for guaranteed cost-efficient operation (°C):		
Heating	-20~+15	-20~+15
Cooling**	-15~+46	-15~+46

Note. Heating, cooling power (kW) and performance ratios differ depending on the chosen air-to-air system of the indoor unit (the values in the tables completing the PLA-RP-BA series indoor unit (PUHZ-ZRP35-140) and PEA-RP-GA (PUHZ- ZRP200 / 250)).

*Seasonal coefficients of performance.

**For cooling, when the ambient temperature is lower than -5°C, outdoor units require specific accessories - guards (sold separately)

Additional accessories:

PAC-SJ06AG-E-S (Protection for cooling up to -15°C). For PUHZ-ZRP35/50VKA models (1 pc.)

PAC-SH63AG-E-S (Protection for cooling up to -15°C). For PUHZ-ZRP60/71VHA models (required 2 pc.)

PAC-SH95AG-E-S (Protection for cooling up to -15°C). For PUHZ-ZRP100-140YHA models (required 2 pc.)

PAC-SH95AG-E-S2 (Protection for cooling up to -15°C). For PUHZ-ZRP200/250YHA models (required 2 pc.)

MSDD-50TR-E (splitter for two internal devices 50:50). For PUHZ-ZRP71-140 models

MSDD-50WR-E (splitter for two internal devices 50:50). For PUHZ-ZRP200/250 models

MSDT-111R-E (splitter for three internal devices 33:33:33). For PUHZ-ZRP140-250 models

MSDF-1111R-E (splitter for four internal devices 25:25:25:25). For PUHZ-ZRP200/250 models