



ORCA MONO

HIGH TEMPERATURE VERSIONS

Suitable for:

- radiators and water heating in an existing hot water tank,
- combination of floor heating and radiator heating,
- older and poorly-insulated buildings.



OUTDOOR UNIT	MITSUBISHI ELECTRIC ZUBADAN							
Heating	to -28°C						to -28°C	to -25°C
Output water temperature	60 °C						60 °C	
Cooling	-						to +46 °C	
Voltage [V]	1/230	3/400	3/400	3/400	3/400	3/400	3/400	
Outdoor unit	PUD-SHWM80VAA	PUD-SHWM80YAA	PUD-SHWM100YAA	PUD-SHWM120YAA	PUD-SHWM140YAA	PUHZ SHW140YHA	PUHZ SHW230YKA	
Nominal heat output [kW]	8	8	10	12	14	14	23	
C.O.P. (A7/W35)	5.03	5.03	5.00	4.80	4.70	4.22	3.65	
S.C.O.P. (W35)	4.53	4.53	4.50	4.48	4.48	4.16	4.18	
Fuse [No.xA]	1x25	3x16	3x16	3x16	3x16	3x16	3x32	
Dimensions of gas connections	1/4", 1/2"	1/4", 1/2"	1/4", 1/2"	1/4", 1/2"	1/4", 1/2"	3/8", 5/8"	1/2", 1"	
Maximum height difference IU-OU [m]	30	30	30	30	25	30	30	
Length of gas connection IU-OU [m]	2-30	2-30	2-30	2-30	2-25	2-75	2-80	
Pre-charged gas up to the length of the gas connection [m]	10	10	10	10	10	30	30	
Heating medium's nominal flow [l/min]	10-59	10-59	10-59	10-59	10-59	17.9-40.1	28.7-65.9	
Sound power level [dB(A)]	56	56	59	60	62	70	75	
Weight [kg]	102	115	121	120	122	134	148	
Dimensions (WxDxH) [cm]	105x48x102	105x48x102	105x48x102	105x48x102	105x48x102	95x33x135	105x33x134	

INDOOR UNIT	MONO					MONO XL	
Product number (set)	12347 + 12231	12347 + 12230	11334 + 12230	11334 + 12235	11334 + 12337	10647 + 10705	10720 + 10730
Dimensions of gas connections	1/2", 1/4"					3/5", 5/8"	1/2", 1"
Dimensions of connections for the heating system	1"					1"	1"
Built in circulation pump	Circulating pump - energy class A					Circulating pump - energy class A	
Electric heater	3x3 kW					3x3 kW	3x3 kW
Heat exchanger	Swep					Swep	Swep
Switchover heating-water heating	Integrated					Integrated	Integrated
Dimensions (HxWxD) [cm]	90x60x40					90x60x40	90x60x40
Weight [kg]	80 kg					85	85
Device's seasonal efficiency class in average climate conditions W35	A+++	A+++	A++	A++	A++	A++	A++
Device's seasonal efficiency class in average climate conditions W55	A*	A*	A*	A*	A*	A*	A*
Device's seasonal efficiency in average climate conditions W35 (ηs)	176	176	166	159	157	164	164
Device's seasonal efficiency in average climate conditions W55 (ηs)	130	130	126	125	121	124	124





ORCA MONO

LOW TEMPERATURE
VERSIONS

Suitable for:

- floor/wall/ceiling and domestic water heating,
- new and well-insulated buildings.

OUTDOOR UNIT	MITSUBISHI ELECTRIC POWER INVERTER							
Heating	to -20°C				to -25°C			
Output water temperature	60 °C				60 °C			
Cooling	to +46 °C				-			
Voltage [V]	1/230	1/230	1/230	1/230	3/400	1/230	3/400	3/400
Outdoor unit	SUZ-SWM40VA	SUZ-SWM60VA	SUZ-SWM80VA	PUD-SWM80VAA	PUD-SWM80YAA	PUD-SWM100VAA	PUD-SWM100YAA	PUD-SWM120YAA
Nominal heat output [kW]	4	6	8	8	8	10	10	12
C.O.P. (A7/W35)	5.2	4.86	4.7	4.76	4.76	5	5	4.7
S.C.O.P. (W35)	4.58	4.61	4.62	4.07	4.45	4.45	4.45	4.43
Fuse [No. xA]	1x16	1x16	1x16	1x25	3x16	1x30	3x16	3x16
Dimensions of gas connections	1/4", 1/2"	1/4", 1/2"	1/4", 1/2"	1/4", 1/2"	1/4", 1/2"	1/4", 1/2"	1/4", 1/2"	1/4", 1/2"
Maximum height difference IU-OU [m]	30	30	30	30	30	30	30	30
Length of gas connection IU-OU [m]	5-30	5-30	5-30	2-30	2-30	2-30	2-30	2-30
Pre-charged gas up to the length of the gas connection [m]	10	10	10	10	10	10	10	10
Heating medium's nominal flow [l/min]	5-54	5-54	5-54	10-59	10-59	10-59	10-59	10-59
Sound power level [dB(A)]	58	60	62	56	56	59	59	60
Weight [kg]	54	54	54	101	114	107	120	120
Dimensions WxDxH [cm]	84x33x88	84x33x88	84x33x88	105x48x102	105x48x102	105x48x102	105x48x102	105x48x102

INDOOR UNIT	MONO							
Product number (set)	12292 + 12201	12292 + 12194	12292 + 12202	12347 + 12224	12347 + 12229	12334 + 12225	12334 + 12228	12334 + 12227
Dimensions of gas connections	1/2"							
Dimensions of connections for the heating system	1/4"							
Built in circulation pump	Circulating pump - energy class A							
Electric heater	3x3 kW							
Heat exchanger	Swep							
Switchover heating-water heating	Integrated							
Dimensions (HxWxD) [cm]	90x60x40							
Weight [kg]	80 kg							
Device's seasonal efficiency class in average climate conditions W35	A+++	A+++	A+++	A++	A++	A++	A++	A+++
Device's seasonal efficiency class in average climate conditions W55	A+	A+	A+	A+	A+	A+	A+	A+
Device's seasonal efficiency in average climate conditions W35 (ηs)	180	181	182	169	169	169	169	176
Device's seasonal efficiency in average climate conditions W55 (ηs)	129	130	131	131	131	131	131	128

