



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





ORCA MONO

CASCADES
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	
SELECTION OF INDOOR AND OUTDOOR UNITS					MONO M VERSIONS 2-4 x 4-12 kW				
INDOOR UNIT FOR 1 OUTDOOR UNITS					MONO 2 M				
Product number (set)					10721 + 2 outdoor units				
Overall heat output [kW] (sum of output of outdoor units)					8-24				
Heating surface [m²]					150-470				
Dimensions of gas connections					2x 1/4", 1/2"				
Dimensions of connections for the heating system					6/4"				
Built in circulation pump					2x Circulating pump - energy class A				
Heat exchanger					2x Swep				
Dimensions (HxWxD) [cm]					90x60x40				
Weight [kg]					95				
INDOOR UNIT FOR 2 OUTDOOR UNITS					MONO 3 M				
Product number (set)					10723 + 3 outdoor units				
Overall heat output [kW] (sum of output of outdoor units)					12-36				
Heating surface [m²]					225-705				
Dimensions of gas connections					3x 1/4", 1/2"				
Dimensions of connections for the heating system					2"				
Built in circulation pump					3x Circulating pump - energy class A				
Heat exchanger					3x Swep				
Dimensions (HxWxD) [cm]					90x120x40				
Weight [kg]					160				
INDOOR UNIT FOR 3 OUTDOOR UNITS					MONO 4 M				
Product number (set)					10725 + 4 outdoor units				
Overall heat output [kW] (sum of output of outdoor units)					16-48				
Heating surface [m²]					300-940				
Dimensions of gas connections					4x 1/4", 1/2"				
Dimensions of connections for the heating system					2"				
Built in circulation pump					4x Circulating pump - energy class A				
Heat exchanger					4x Swep				
Dimensions (HxWxD) [cm]					90x120x40				
Weight [kg]					190				





ORCA DUO

LOW TEMPERATURE VERSIONS

Suitable for:

- floor/wall/ceiling and domestic water heating in built-in hot water tank,
- new and well-insulated buildings,
- buildings with large heating surfaces.

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	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		DUO 200								
Product number (set)	12293 + 12201	12293 + 12194	12293 + 12202	12348 + 12224	12348 + 12229	12335 + 12225	12335 + 12228	12335 + 10706		
Hot water tank volume [L]	200									
Dimensions of gas connections	1/4", 1/2"									
Dimensions of heating system connections	1"									
Dimensions of hot water connections	1" (3/4 circulation)									
Built in circulation pump	Circulating pump - energy class A									
Switchover heating – hot water	Integrated									
Electric heater [kW]	3x3									
Heat exchanger	Swep									
Dimensions (HxWxD) [cm]	142x60x78									
Weight [kg]	180									
Device's seasonal efficiency class in average climate conditions W35	A+++	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+	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		
Use of hot water cycle	L	L	L	L	L	L	L	L		
Sanitary water heating energy class	A+	A+	A+	A+	A+	A+	A+	A+		
INDOOR UNIT		DUO 300 / DUO 300 SOLAR								
Product number (set)		12294 + 12194	12294 + 12202	12349 + 12224	12349 + 12229	12336 + 12225	12336 + 12228	12336 + 12227		
Product number - solar (set)		12295 + 12194	11207+12202	12350 + 12224	12350 + 12229	12337 + 12225	12337 + 12228	12337 + 12227		
Hot water tank volume [L]	300									
Dimensions of gas connections	1/4", 1/2"									
Dimensions of heating system connections	1"									
Dimensions of hot water connections	1" (3/4 circulation)									
Built in circulation pump	Circulating pump - energy class A									
Switchover heating – hot water	Integrated									
Electric heater [kW]	3x3									
Heat exchanger	Swep									
Dimensions (HxWxD) [cm]	182x60x78									
Weight [kg]	235									
Weight (Solar) [kg]	255									
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)		181	182	169	169	169	169	176		
Device's seasonal efficiency in average climate conditions W55 (ηs)		130	131	131	131	131	131	128		
Use of hot water cycle		XL	XL	XL	XL	XL	XL	XL		
Sanitary water heating energy class		A	A	A	A	A	A	A		