



ORCA MONO

CASCADES HIGH TEMPERATURE VERSIONS

Suitable for:

- radiator heating in larger buildings,
- larger, older and poorly-insulated buildings,
- appropriate for higher amounts of domestic water heating.



OUTDOOR UNIT	MITSUBISHI ELECTRIC ZUBADAN							
Heating	to -28°C				to -28°C		to -25°C	
Output water temperature	60 °C				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	30	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	
SELECTION OF INDOOR AND OUTDOOR UNITS	MONO M VERSIONS 2-4 x 8-14 kW					MONO L VERSIONS 2-4 x 8-23 kW		
INDOOR UNIT FOR 2 OUTDOOR UNITS	MONO 2 M					MONO 2 L		
Product number (set)	10721 + 2 outdoor units					10722 + 2 outdoor units		
Overall heat output [kW] (sum of output of outdoor units)	16-28					31-46		
Heating surface [m²]	400-700					775-1,150		
Dimensions of gas connections	2x 1/4", 1/2" (PUD) ali 2x 3/8", 5/8" (PUHZ)					2x 1/2", 1"		
Dimensions of connections for the heating system	6/4"					6/4"		
Built in circulation pump	2x Circulating pump - energy class A							
Heat exchanger	2x Swep					2x Swep		
Dimensions (HxWxD) [cm]	90x60x40					90x60x40		
Weight [kg]	95					105		
INDOOR UNIT FOR 3 OUTDOOR UNITS	MONO 3 M					MONO 3 L		
Product number (set)	10723 + 3 outdoor units					10724 + 3 outdoor units		
Overall heat output [kW] (sum of output of outdoor units)	24-42					39-69		
Heating surface [m²]	600-1,050					975-1,725		
Dimensions of gas connections	3x 1/4", 1/2" (PUD) ali 3x 3/8", 5/8" (PUHZ)					3x 1/2", 1"		
Dimensions of connections for the heating system	2"					2"		
Built in circulation pump	3x Circulating pump - energy class A							
Heat exchanger	3x Swep					3x Swep		
Dimensions (HxWxD) [cm]	90x120x40					90x120x40		
Weight [kg]	160					175		
INDOOR UNIT FOR 4 OUTDOOR UNITS	MONO 4 M					MONO 4 L		
Product number (set)	10725 + 4 outdoor units					10726 + 4 outdoor units		
Overall heat output [kW] (sum of output of outdoor units)	32-56					47-92		
Heating surface [m²]	800-1,400					1,175-2,300		
Dimensions of gas connections	4x 1/4", 1/2" (PUD) ali 4x 3/8", 5/8" (PUHZ)					4x 1/2", 1"		
Dimensions of connections for the heating system	2"					2"		
Built in circulation pump	4x Circulating pump - energy class A							
Heat exchanger	4x Swep					4x Swep		
Dimensions (HxWxD) [cm]	90x120x40					90x120x40		
Weight [kg]	190					210		



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				