MLT HVJ

AIR-WATER HEAT PUMPS
FOR OUTDOOR INSTALLATION

Options

Operating mode
R - Heating and cooling
(reversible on refrigerant side)

Heat recovery
Base version
Desuperheater version

Acoustic setting up
B - Base setting up
S - Low noise setting up

Plant side flow rate management
None
Standard pump
Modulating pump
High head pump

Coil protection grilles

Flow meter

Accessories

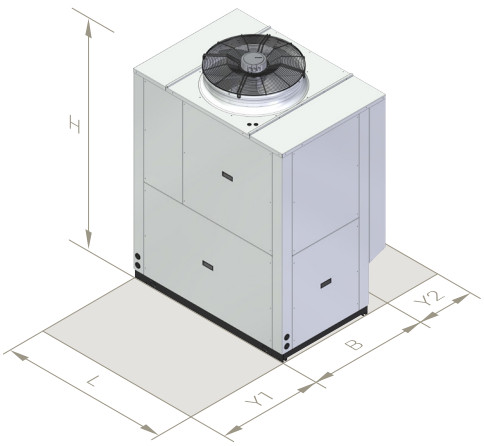
Vibration dampers
Remote interface

DATI TECNICI	30	
Efficiency class - EU reg 811/2013 *average climate - medium temperature appplication*	**A++**	-
Power supply	400V - 3N - 50Hz	-
Refrigerant	R410A	-
Type of compressors	high temperature rotary inverter brushless DC (BLDC) with vapour injection	-
N° of compressors / N° of refrigerant circuits	1 / 1	-
Type of plant side heat exchangers	stainless steel brazed plates	-
Type of source side heat exchangers	finned coil copper - hydrophilic aluminum	-
Type of fans	axial EC	-
N° of fans	1	-
Hydraulic fittings	1"1/2 M	-
Weight *	361	kg
Maximum power input *	14,8	kW

** base unit without options and accessories*

OPERATING RANGE	HEATING		COOLING		
	min	max	min	max	
Water outlet temperature	15	65 *	6	25	°C
Outside air inlet temperature	-22	42	5	50	°C

** The maximum water outlet temperature can be increased up to 70°C keeping a ΔT of 10°C between inlet and outlet*



	50	
L	1330	mm
B	930	mm
H	1830	mm
Y1	1000	mm
Y2	500	mm

	HEATING	A	W	30	
A7W35	Heating capacity	7	35	31,2	kW
	Power input			6,97	kW
	COP			**4,48**	-
	Plant side water flow rate			5379	l/h
	Plant side pressure drops			23	kPa
A7W45	Heating capacity	7	45	31,6	kW
	Power input			8,67	kW
	COP			**3,64**	-
	Plant side water flow rate			5462	l/h
	Plant side pressure drops			23	kPa
A7W55	Heating capacity	7	55	32,1	kW
	Power input			10,4	kW
	COP			**3,09**	-
	Plant side water flow rate			3488	l/h
	Plant side pressure drops			10	kPa
A7W65	Heating capacity	7	65	32,8	kW
	Power input			12,8	kW
	COP			**2,56**	-
	Plant side water flow rate			2866	l/h
	Plant side pressure drops			7	kPa
A2W35	Heating capacity	2	35	26,3	kW
	Power input			6,97	kW
	COP			**3,77**	-
	Plant side water flow rate			4538	l/h
	Plant side pressure drops			17	kPa
A2W45	Heating capacity	2	45	26,7	kW
	Power input			8,66	kW
	COP			**3,08**	-
	Plant side water flow rate			4627	l/h
	Plant side pressure drops			17	kPa
A2W55	Heating capacity	2	55	27,3	kW
	Power input			10,4	kW
	COP			**2,62**	-
	Plant side water flow rate			2968	l/h
	Plant side pressure drops			7	kPa
A2W65	Heating capacity	2	65	28,1	kW
	Power input			12,8	kW
	COP			**2,20**	-
	Plant side water flow rate			2453	l/h
	Plant side pressure drops			5	kPa

	COOLING	A	W	30	
A35W7	Cooling capacity	35	7	24,4	kW
	Power input			7,66	kW
	EER			**3,19**	-
	Plant side water flow rate			4205	l/h
	Plant side pressure drops			14	kPa
A35W18	Cooling capacity	35	18	32,2	kW
	Power input			8,31	kW
	EER			**3,87**	-
	Plant side water flow rate			5585	l/h
	Plant side pressure drops			24	kPa

	ACOUSTIC PERFORMANCES	A	W	30	
Base	Sound power level	7	35	**75**	dB(A)
	Sound pressure level - 1 m			59	dB(A)
	Sound pressure level - 5 m			49	dB(A)
	Sound pressure level - 10 m			44	dB(A)
Low noise	Sound power level	7	35	**72**	dB(A)
	Sound pressure level - 1 m			56	dB(A)
	Sound pressure level - 5 m			46	dB(A)
	Sound pressure level - 10 m			41	dB(A)

Data declared according to EN 14511. Acoustic performances declared according to EN 12102. The data are related to units working at the **nominal frequency**, without options or accessories.

A7W35	=	source :	air in 7°C db 6°C wb	plant :	water in 30°C out 35°C	A2W35	=	source :	air in 2°C db 1°C wb	plant :	water in 30°C out 35°C
A7W45	=	source :	air in 7°C db 6°C wb	plant :	water in 40°C out 45°C	A2W45	=	source :	air in 2°C db 1°C wb	plant :	water in 40°C out 45°C
A7W55	=	source :	air in 7°C dd 6°C wb	plant :	water in 47°C out 55°C	A2W55	=	source :	air in 2°C db 1°C wb	plant :	water in 47°C out 55°C
A7W65	=	source :	air in 7°C db 6°C wb	plant :	water in 55°C out 65°C	A2W65	=	source :	air in 2°C db 1°C wb	plant :	water in 55°C out 65°C
A35W7	=	source :	air in 35°C db	plant :	water in 12°C out 7°C						
A35W18	=	source :	air in 35°C db	plant :	water in 23°C out 18°C						