MWT HVJ

WATER-WATER HEAT PUMPS
FOR INDOOR INSTALLATION

Options

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

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

Source side flow rate management
- None
- Standard pump
- Modulating pump
- High head pump

Flow meter

Accessories

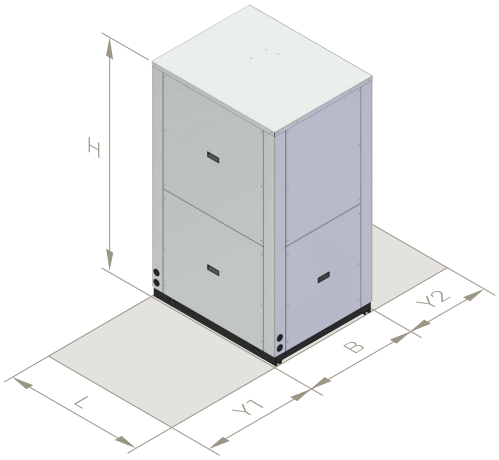
Vibration dampers
Remote interface

	TECHNICAL DATA	40	
	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	stainless steel brazed plates	-
	Hydraulic fittings	1"1/2 M	-
	Weight *	288	kg
	Maximum power input *	13,8	kW

** base unit without options and accessories*

	OPERATING RANGE	HEATING		COOLING		
		min	max	min	max	
	Water outlet temperature	15	65 *	6	25	°C
	Source inlet temperature (water)	5	25	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*



	40	
L	980	mm
B	780	mm
H	1630	mm
Y1	1000	mm
Y2	500	mm

	HEATING	W	W	40	
W10W35	Heating capacity	10	35	39,2	kW
	Power input			7,06	kW
	COP			**5,55**	-
	Plant side water flow rate			6766	l/h
	Plant side pressure drops			19	kPa
	Source side water flow rate			9283	l/h
	Source side pressure drops			35	kPa
W10W45	Heating capacity	10	45	40,1	kW
	Power input			8,72	kW
	COP			**4,60**	-
	Plant side water flow rate			6932	l/h
	Plant side pressure drops			20	kPa
	Source side water flow rate			9039	l/h
	Source side pressure drops			33	kPa
W10W55	Heating capacity	10	55	41,3	kW
	Power input			10,4	kW
	COP			**3,97**	-
	Plant side water flow rate			4494	l/h
	Plant side pressure drops			9	kPa
	Source side water flow rate			8922	l/h
	Source side pressure drops			32	kPa
W10W65	Heating capacity	10	65	43,1	kW
	Power input			12,7	kW
	COP			**3,39**	-
	Plant side water flow rate			3770	l/h
	Plant side pressure drops			6	kPa
	Source side water flow rate			8788	l/h
	Source side pressure drops			32	kPa

	COOLING	W	W	40	
W30W7	Cooling capacity	30	7	29,2	kW
	Power input			6,16	kW
	EER			**4,74**	-
	Plant side water flow rate			5028	l/h
	Plant side pressure drops			11	kPa
	Source side water flow rate			6103	l/h
	Source side pressure drops			16	kPa
W30W18	Cooling capacity	30	18	38,2	kW
	Power input			6,18	kW
	EER			**6,18**	-
	Plant side water flow rate			6607	l/h
	Plant side pressure drops			18	kPa
	Source side water flow rate			7645	l/h
	Source side pressure drops			24	kPa

	ACOUSTIC PERFORMANCES	W	W	40	
Base	Sound power level	10	35	**66**	dB(A)
	Sound pressure level - 1 m			50	dB(A)
	Sound pressure level - 5 m			39	dB(A)
	Sound pressure level - 10 m			34	dB(A)
Low noise	Sound power level	10	35	**61**	dB(A)
	Sound pressure level - 1 m			45	dB(A)
	Sound pressure level - 5 m			35	dB(A)
	Sound pressure level - 10 m			30	dB(A)

Data declared according to EN 14511. Acoustic performances declared according to EN 12102. The data are related to reversible units (R) without options or accessories.

W10W35	=	source :	water in 10°C out 7°C	plant :	water in 30°C out 35°C
W10W45	=	source :	water in 10°C out 7°C	plant :	water in 40°C out 45°C
W10W55	=	source :	water in 10°C out 7°C	plant :	water in 47°C out 55°C
W10W65	=	source :	water in 10°C out 7°C	plant :	water in 55°C out 65°C
W30W7	=	source :	water in 30°C out 35°C	plant :	water in 12°C out 7°C
W30W18	=	source :	water in 30°C out 35°C	plant :	water in 23°C out 18°C