

MONOBLOC

HM121M.U33 HM123M.U33
HM141M.U33 HM143M.U33
HM161M.U33 HM163M.U33



Seasonal Energy

Description			Unit	HM121M.U33 HM123M.U33	HM141M.U33 HM143M.U33	HM161M.U33 HM163M.U33
Space Heating (According to EN14825)	Average Climate water outlet 35°C	SCOP		4.45	4.45	4.45
		Rated heat output (Prated)		10	11	11
		Seasonal space heating efficiency (η_s)	%	175	175	175
		Seasonal space heating eff. Class		A+++ ¹⁾	A+++ ¹⁾	A+++ ¹⁾
		Annual energy consumption	kWh	4,642	4,875	5,103
	Average Climate water outlet 55°C	SCOP		3.18	3.18	3.18
		Rated heat output (Prated)		12	12	12
		Seasonal space heating efficiency (η_s)	%	124	124	124
		Seasonal space heating eff. Class		A+	A+	A+
		Annual energy consumption	kWh	7,795	7,795	7,795

Note

1. A+++ label is available from 26, Sep. 2019 and should be considered as A++ label until that time.

Product Specification

Description			Unit	HM121M.U33	HM141M.U33	HM161M.U33
Nominal Capacity	Heating	LWT 35°C at OAT 7°C	kW	12.00	14.00	16.00
		LWT 55°C at OAT 7°C	kW	12.00	12.00	12.00
		LWT 35°C at OAT 2°C	kW	11.00	12.00	13.80
	Cooling	LWT 18°C at OAT 35°C	kW	14.00	14.00	16.00
		LWT 7°C at OAT 35°C	kW	14.00	14.00	16.00
Nominal Power Input	Heating	LWT 35°C at OAT 7°C	kW	2.61	3.11	4.00
		LWT 55°C at OAT 7°C	kW	4.29	4.29	4.29
		LWT 35°C at OAT 2°C	kW	3.13	3.42	3.94
	Cooling	LWT 18°C at OAT 35°C	kW	3.04	3.26	4.00
		LWT 7°C at OAT 35°C	kW	5.19	5.38	6.40
COP	Heating	LWT 35°C at OAT 7°C		4.60	4.50	4.00
		LWT 55°C at OAT 7°C		2.80	2.80	2.80
		LWT 35°C at OAT 2°C		3.52	3.51	3.50
EER	Cooling	LWT 18°C at OAT 35°C		4.60	4.30	4.00
		LWT 7°C at OAT 35°C		2.70	2.60	2.50
Operation range	Heating	Water Side (LWT)	°C	15 ~ 65		
		Air Side	°C	-25 ~ 35		
	Cooling	Water Side (LWT)	°C	5 ~ 27		
		Air Side	°C	5 ~ 48		
	Domestic Hot Water	Water Side (LWT)	°C	15 ~ 80		
Refrigerant	Type			R32		
	GWPP (Global Warming Potential)			675		
	Charge		kg	2.4		
			TCO2eq	1.62		
Compressor	Quantity		EA	1		
	Type			Scroll		
Water Flow Rate	Rated		LPM	34.5	40.3	46.0
Piping Connections	Water Circuit	Inlet	mm (in)	Male PT 25(1)		
		Outlet	mm (in)	Male PT 25(1)		
Dimensions	Unit	W x H x D	mm	1,239 x 1,450 x 404		
Net Weight	Unit		kg	130		
Sound power level	Heating	Rated	dBA	63		
Power supply	Phase / Frequency / Voltage		Φ / Hz / V	1 / 50 / 220-240		
	Maximum Running Current		A	35		

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. Performances are accordance with EN14511.
5. This product contains Fluorinated greenhouse gases.
6. LWT : Leaving Water Temperature, OAT : Outdoor Air Temperature

Product Specification

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Dimensions	Unit	W x H x D	mm	1,239 x 1,450 x 404		
Net Weight	Unit		kg	130		
Sound power level	Heating	Rated	dBA	63		
Power supply	Phase / Frequency / Voltage		Φ / Hz / V	3 / 50 / 380-415		
	Maximum Running Current		A	15		

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