MONOBLOC R32

MODEL			SMHM-650B-3	SMHM-650BH-3	SMHM-750B-3	SMHM-750BH-3	SMHM-1100B-3
Power supply		V/Ph/Hz	380-415/3/50				
Cooling (A35W7)	Capacity	kW	57	56,7	70	69,29	100
	Input	kW	19	19,8	26,80	28,26	32,8
	EER	-	3	2,86	2,61	2,45	3,05
	SEER	-	5,00	4,92	5,00	4,85	4,80
Heating (A7W45)	Capacity	kW	65	65,7	75	75,71	110
	Input	kW	18,3	19,4	22,06	23,51	29,9
	COP	-	3,55	3,39	3,40	3,22	3,68
Heating (A7W35)	Capacity	kW	64	64,7	77	77,70	112
	Input	kW	15,24	16,37	19,74	21,61	27
	COP	-	4,20	3,95	3,90	3,60	4,15
	SCOP (W35 average)	-	4,50	4,47	4,50	4,47	4,25
Compressor	Type		DC inverter rotary	DC inverter rotary	DC inverter rotary	DC inverter rotary	DC inverter rotary
	Quantity	Pieces	1	1	1	1	2
Air side heat exchanger	Type		Finned tube	Finned tube	Finned tube	Finned tube	Finned tube
	Quantity of fan motor	Pieces	2	2	2	2	2
	Air flow	m^3/h	22 000	22 000	28 500	28 500	32 500
Water side heat exchanger	Type		Plate	Plate	Plate	Plate	Plate
	Water pressure drop	kPa	44	-	65	-	39
	Volume	L	5,17	5,17	5,17	5,17	11,1
	Water flow range	m^3/h	3~14	3~14	3~14	3~14	5~26
Refrigerant	Type		R32	R32	R32	R32	R32
	Charged volume	kg / t eq. CO_2	9 / 6,075	9 / 6,075	9 / 6,075	9 / 6,075	15,5* (11,5+4) / 10,463
	Throttle type		EXV	EXV	EXV	EXV	EXV
Sound power level (A7W45)		dB(A)	80	80	86	86	80
Sound pressure level (1m) (A7W45)		dB(A)	64	64	69	69	64
Silent mode sound power level (A7W45)		dB(A)	77	77	82	82	75
Super silent mode sound power level (A7W45)		dB(A)	74	74	78	78	72
Unit net dimension	DxHxW	mm	2000x1770x960	2000x1770x960	2000x1770x960	2000x1770x960	2220x2300x1135
Packing dimension	DxHxW	mm	2085x1890x1030	2085x1890x1030	2085x1890x1030	2085x1890x1030	2250x2445x1180
Net / Gross weight		kg	440/455	475/490	440/455	475/490	670/690
Pipe connections	Water inlet/outlet	mm	DN50	DN50	DN50	DN50	DN65
Water pipe connection type			Hoop connection	Hoop connection	Hoop connection	Hoop connection	Hoop connection
Controller			Wired controller KJRM-120H2 (standard)				
Ambient temperature range	Cooling	°C	-15~48				
	Heating	°C	-25~43				
	DHW	°C	-20~43				
Water outlet temperature range	Cooling	°C	5~20				
	Heating	°C	25~65				
	DHW (heat pump)	°C	30~62				
	DHW	°C	30~70				
ADDITIONAL TECHNICAL INFORMATION							
Screw holes distance of chiller	w x d	mm	1550x862	1550x862	1550x862	1550x862	1460x1017
Recommended power cable		mm^2	5x16	5x16	5x16	5x16	5x50
Recommended circuit breaker		A	B63	B63	B63	B63	B160
EQUIPMENT							
Crancase heater			Yes	Yes	Yes	Yes	Yes
Drain pipe connector			-	-	-	-	-
ON/OFF connector			Yes (dry-contact)	Yes (dry-contact)	Yes (dry-contact)	Yes (dry-contact)	Yes (dry-contact)
Cool/Heat connector			Yes (dry-contact)	Yes (dry-contact)	Yes (dry-contact)	Yes (dry-contact)	Yes (dry-contact)
Alarm connector			Yes (dry-contact)	Yes (dry-contact)	Yes (dry-contact)	Yes (dry-contact)	Yes (dry-contact)
STANDARD ACCESSORIES							
Wire controller			Yes (support ModBus)	Yes (support ModBus)	Yes (support ModBus)	Yes (support ModBus)	Yes (support ModBus)
Transformer			Yes	Yes	Yes	Yes	Yes
Hydraulic module			No	Yes	No	Yes	No

TECHNICAL SPECIFICATIONS

* The total amount of refrigerant is 15,5 kg, including the 11,5 kg already charged before delivery and the 4 kg to be charged.

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label.

Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R32 (100% HFC-32), GWP of refrigerant: 675. Noise is tested in the semi-anechoic room, so it should be slightly higher due to change of location. Power input is tested under standard conditions.

MONOBLOC R32

MODEL			SMHM-1100BH-3	SMHM-1400B-3	SMHM-1400BH-3		
Power supply		V/Ph/Hz	380-415/3/50				
Cooling (A35W7)	Capacity	kW	99,3	130	129,29		
	Input	kW	34,1	50	52,01		
	EER	-	2,91	2,60	2,49		
	SEER	-	4,78	4,80	4,77		
Heating (A7W45)	Capacity	kW	110,7	140	140,94		
	Input	kW	31,2	44,73	47,10		
	COP	-	3,55	3,13	2,99		
Heating (A7W35)	Capacity	kW	113,1	142	142,94		
	Input	kW	28,5	38,17	40,54		
	COP	-	3,97	3,72	3,53		
	SCOP (W35 average)	-	4,23	4,25	4,23		
Compressor	Type		DC inverter rotary	DC inverter rotary	DC inverter rotary		
	Quantity	Pieces	2	2	2		
Air side heat exchanger	Type		Finned tube	Finned tube	Finned tube		
	Quantity of fan motor	Pieces	2	2	2		
	Air flow	m^3/h	32 500	50000	50000		
Water side heat exchanger	Type		Plate	Plate	Plate		
	Water pressure drop	kPa	-	65	-		
	Volume	L	11,1	11,1	11,1		
	Water flow range	m^3/h	5~26	5~26	5~26		
Refrigerant	Type		R32	R32	R32		
	Charged volume	kg / t eq. CO_2	15,5* (11,5+4) / 10,463	15,5* (11,5+4) / 10,463	15,5* (11,5+4) / 10,463		
	Throttle type		EXV	EXV	EXV		
Sound power level (A7W45)		dB(A)	80	92	92		
Sound pressure level (1m) (A7W45)		dB(A)	64	73	73		
Silent mode sound power level (A7W45)		dB(A)	75	88	88		
Super silent mode sound power level (A7W45)		dB(A)	72	85	85		
Unit net dimension	DxHxW	mm	2220x2300x1135	2220x2300x1135	2220x2300x1135		
Packing dimension	DxHxW	mm	2250x2445x1180	2250x2445x1180	2250x2445x1180		
Net / Gross weight		kg	746/767	670/690	746/767		
Pipe connections	Water inlet/outlet	mm	DN65	DN65	DN65		
Water pipe connection type			Hoop connection	Hoop connection	Hoop connection		
Controller			Wired controller KJRM-120H2 (standard)				
Ambient temperature range	Cooling	°C	-15~48				
	Heating	°C	-25~43				
	DHW	°C	-20~43				
Water outlet temperature range	Cooling	°C	5~20				
	Heating	°C	25~65				
	DHW (heat pump)	°C	30~62				
	DHW	°C	30~70				
ADDITIONAL TECHNICAL INFORMATION							
Screw holes distance of chiller	w x d	mm	1460x1017	1460x1017	1460x1017		
Recommended power cable		mm^2	5x50	5x50	5x50		
Recommended circuit breaker		A	B160	B160	B160		
EQUIPMENT							
Crancase heater			Yes	Yes	Yes		
Drain pipe connector			-	-	-		
ON/OFF connector			Yes (dry-contact)	Yes (dry-contact)	Yes (dry-contact)		
Cool/Heat connector			Yes (dry-contact)	Yes (dry-contact)	Yes (dry-contact)		
Alarm connector			Yes (dry-contact)	Yes (dry-contact)	Yes (dry-contact)		
STANDARD ACCESSORIES							
Wire controller			Yes (support ModBus)	Yes (support ModBus)	Yes (support ModBus)		
Transformer			Yes	Yes	Yes		
Hydraulic module			Yes	No	Yes		

TECHNICAL SPECIFICATIONS

* The total amount of refrigerant is 15,5 kg, including the 11,5 kg already charged before delivery and the 4 kg to be charged.

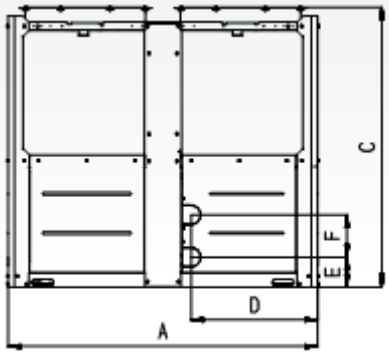
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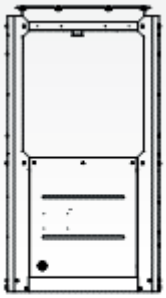
APPEARANCE AND DIMENSIONS OF OUTDOOR UNIT

MONOBLOC R32

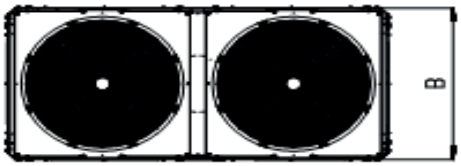
SMHM-650B-3/650BH-3/1100B-3/1100BH-3/750B-3/750BH-3/1400B-3/1400BH-3



Front view



Left view



Top view

Model	SMHM-650B-3/ 650BH-3	SMHM-1100B-3/ 1100BH-3	SMHM-750B-3/ 750BH-3	SMHM-1400B-3/ 1400BH-3
A (mm)	2000	2220	2000	2220
B (mm)	960	1135	960	1135
C (mm)	1770	2300	1770	2300
D (mm)	816	910	816	910
E (mm)	190	185	190	185
F (mm)	270	380	270	380