MONOBLOC 4-16 KW R32

MODEL			SMHM-40B/3	SMHM-60B/3	SMHM-80B/3	SMHM-100B/3	SMHM-120B-3/9
			3 - 5 kW	4- 6 kW	6 - 8 kW	7 - 9,5 kW	10 - 12 kW
Power supply		V/Ph/Hz	220-240/1/50				380-415/3/50
Heating (A7/W35)	Capacity	kW	4,20	6,35	8,40	10,0	12,1
	Rated input	kW	0,82	1,28	1,63	2,02	2,44
	COP		5,10	4,95	5,15	4,95	4,95
Cooling (A35/W18)	Capacity	kW	4,5	6,5	8,3	9,9	12
	Rated input	kW	0,82	1,35	1,64	2,18	3,04
	EER		5,5	4,8	5,05	4,55	3,95
Seasonal space heating energy efficiency class	Water outlet at 35 ºC		A+++				
	Water outlet at 55 ºC		A++				
SCOP	Warmer climate	35 ºC	6,46	6,57	6,99	7,09	6,48
		55 ºC	4,15	4,21	4,51	4,62	4,43
	Average climate	35 ºC	4,85	4,95	5,22	5,20	4,81
		55 ºC	3,31	3,52	3,37	3,47	3,45
	Colder climate	35 ºC	4,06	4,21	4,33	4,32	4,08
		55 ºC	2,63	2,85	2,88	2,99	3,02
Sound pressure level in 1 m		dB (A)	55	58	59	60	65
Sound power level		dB (A)	45	47,5	48,5	50,5	53,5
Sound pressure level in 1 m (silent mode 1)		dB(A)	42	43	44	45	49
Sound pressure level in 1 m (silent mode 2)		dB(A)	39	40	41	41	43
Sound power level (silent mode 1)		dB(A)	54	55	56	57	61
Sound power level (silent mode 2)		dB(A)	51	52	53	53	55
Rated water flow		m^3/h	0,72	1,09	1,44	1,72	2,08
Water flow range		m^3/h	0,4~0,9	0,4~1,25	0,4~1,65	0,4~2,1	0,7~2,5
Minimum water amount in heating system		l	60	90	120	150	180
Compressor	Type		Twin rotary				
Outdoor fan	Motor type / Number of fans		DC fan / 1				
Fin coating			Blue fin				
Refrigerant		Typ / kg / t Eq. CO_2	R32 / 1,4 / 0,944				R32 / 1,75 / 1,181
Auxiliary electric heater	Type	-	Automatic				
	Capacity	kW	3				9
	Combination	-	3				3/6/9
	Power supply	V/Ph/Hz	220-240/1/50				380-415/3/50
Expansion tank	Volume	l	8				
	Max. water pressure	MPa	0,3				
	Pressure	MPa	0,15				
Unit dimension (W×H×D)		mm	1295×718×429		1385×865×523		
Packing dimension (W×H×D)		mm	1375×885×475		1465×1035×560		
Net/gross weight		kg	91/112		110/137		149/179
Outdoor air temperature range	Cooling	ºC	-5~43				
	Heating	ºC	-25~35				
	DHW	ºC	-25~43				
Water side heat exchanger			Plate type				
Water side connection		inch	1 "		5/4"		
Water setting temperature range	Cooling	ºC	5~25				
	Heating	ºC	25~65				
	DHW	ºC	30~60				
OTHER TECHNICAL DATA							
Distance of holes		mm	375×1023		458×1019		
Circuit breaker		A	32 (16*)	32 (16*)	32 (16*)	32 (20*)	25 (16*)
Recommended supply cable		mm^2	3×10 (3×2,5*)	3×10 (3×2,5*)	3×10 (3×2,5*)	3×10 (3×4*)	5×6 (5×2,5*)
Inrush current		A	1	1	1	1	1
Nominal current		A	3,8	5,7	7,2	8,9	3,6
Maximum current		A	25	26	29,5	30,5	23
Display cable		-	Field supplied - 5x0,75				
STANDARD ACCESSORIES							
DHW sensor		-	yes (10m)				
Y-filter		-	yes				
Contoller		-	yes				
Resistor for cascade		-	yes				
OPTIONAL ACCESSORIES							
Three-way valve		-	Field supply (230V, 10-30 sec. switch time)				
HEATING SYSTEM REQUIREMENT							
Minimum water amount in heating system		l	60	90	120	150	180

Values marked with * are valid only after blocking Auxiliary electric heater (IBH).
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R32 (single component refrigerant HFC-32), GWP of refrigerant used: 675.
Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
Explanatory notes on the very last page of the catalogue.
Cross-section of each wire must correspond to the IEC 60364.

MONOBLOC 4-16 KW R32

MODEL			SMHM-140B-3/9	SMHM-160B-3/9	SMHM-40B	SMHM-60B	SMHM-80B
			11 - 14 kW	12 - 15 kW	3 - 5 kW	4- 6 kW	6 - 8 kW
Power supply		V/Ph/Hz	220-240/1/50				
Heating (A7/W35)	Capacity	kW	14,5	15,9	4,20	6,35	8,40
	Rated input	kW	3,15	3,53	0,82	1,28	1,63
	COP		4,60	4,50	5,10	4,95	5,15
Cooling (A35/W18)	Capacity	kW	13,50	14,2	4,5	6,5	8,3
	Rated input	kW	3,74	3,94	0,82	1,35	1,64
	EER		3,61	3,61	5,5	4,8	5,05
Seasonal space heating energy efficiency class	Water outlet at 35 ºC		A+++				
	Water outlet at 55 ºC		A++				
SCOP	Warmer climate	35 ºC	6,58	6,29	6,46	6,57	6,99
		55 ºC	4,49	4,48	4,15	4,21	4,51
	Average climate	35 ºC	4,72	4,62	4,85	4,95	5,22
		55 ºC	3,47	3,41	3,31	3,52	3,37
	Colder climate	35 ºC	4,07	4,02	4,06	4,21	4,33
		55 ºC	3,05	3,12	2,63	2,85	2,88
Sound pressure level in 1 m		dB (A)	65	68	55	58	59
Sound power level		dB (A)	54	58	45	47,5	48,5
Sound pressure level in 1 m (silent mode 1)		dB(A)	49	50	42	43	44
Sound pressure level in 1 m (silent mode 2)		dB(A)	43	43	39	40	41
Sound power level (silent mode 1)		dB(A)	61	62	54	55	56
Sound power level (silent mode 2)		dB(A)	55	55	51	52	53
Rated water flow		m^3/h	2,49	2,73	0,72	1,09	1,44
Water flow range		m^3/h	0,7~2,75	0,7~3,0	0,4~0,9	0,4~1,25	0,4~1,65
Minimum water amount in heating system		l	210	240	60	90	120
Compressor	Type		Twin rotary				
Outdoor fan	Motor type / Number of fans		DC fan / 1				
Fin coating			Blue fin				
Refrigerant		Typ / kg / t Eq. CO_2	R32 / 1,75 / 1,181		R32 / 1,4 / 0,944		
Auxiliary electric heater	Type	-	Automatic		-		
	Capacity	kW	9				
	Combination	-	3/6/9				
	Power supply	V/Ph/Hz	380-415/3/50				
Expansion tank	Volume	l	8				
	Max. water pressure	MPa	0,3				
	Pressure	MPa	0,15				
Unit dimension (W×H×D)		mm	1385×865×523		1295×718×429		
Packing dimension (W×H×D)		mm	1465×1035×560		1375×885×475		
Net/gross weight		kg	149/179		86/107		105/132
Outdoor air temperature range	Cooling	ºC	-5~43				
	Heating	ºC	-25~35				
	DHW	ºC	-25~43				
Water side heat exchanger			Plate type				
Water side connection		inch	5/4"		1 "		5/4"
Water setting temperature range	Cooling	ºC	5~25				
	Heating	ºC	25~65				
	DHW	ºC	30~60				
OTHER TECHNICAL DATA							
Distance of holes		mm	458×1019		375×1023		458×1019
Circuit breaker		A	25 (16*)	25 (16*)	16	16	16
Recommended supply cable		mm^2	5×6 (5×2,5*)	5×6 (5×2,5*)	3×2,5	3×2,5	3×2,5
Inrush current		A	1	1	1	1	1
Nominal current		A	4,65	5,2	3,8	5,7	7,2
Maximum current		A	24	24,5	13	12,5	15
Display cable		-	Field supplied - 5x0,75				
STANDARD ACCESSORIES							
DHW sensor		-	yes (10m)				
Y-filter		-	yes				
Contoller		-	yes				
Resistor for cascade		-	yes				
OPTIONAL ACCESSORIES							
Three-way valve		-	Field supply (230V, 10-30 sec. switch time)				
HEATING SYSTEM REQUIREMENT							
Minimum water amount in heating system		l	210	240	60	90	120

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R32 (single component refrigerant HFC-32), GWP of refrigerant used: 675.
Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
Explanatory notes on the very last page of the catalogue.
Cross-section of each wire must correspond to the IEC 60364.

MONOBLOC 18-30 KW R32

MODEL			SMHM-180B-3	SMHM-220B-3	SMHM-260B-3	SMHM-300B-3
Suitable for building heat loss			16 - 18 kW	18 - 22 kW	22 - 26 kW	26 - 30 kW
Power supply		V/Ph/Hz	380-415/3/50			
Heating (A7/W35)	Capacity	kW	18	22	26	30,1
	Rated input	kW	3,83	5	6,37	7,69
	COP		4,7	4,4	4,08	3,91
Cooling (A35/W18)	Capacity	kW	18,5	23	27	31
	Rated input	kW	3,89	5	6,27	7,75
	EER		4,75	4,6	4,3	4
Seasonal space heating energy efficiency class	Water outlet at 35 ºC		A+++			
	Water outlet at 55 ºC		A++			
SCOP	Warmer climate	35 ºC	5,73	5,93	5,85	5,4
		55 ºC	4	4,1	4,28	4,15
	Average climate	35 ºC	4,6	4,53	4,5	4,2
		55 ºC	3,2	3,23	3,15	3,15
	Colder climate	35 ºC	3,73	3,73	3,65	3,53
		55 ºC	2,5	2,63	2,6	2,58
Sound pressure level in 1 m		dB (A)	71	73	75	77
Sound power level		dB (A)	57,6	59,8	61,5	63,5
Rated water flow		m^3/h	3,1	3,78	4,47	5,18
Compressor	Type		Twin rotary			
Outdoor fan	Motor type / Number of fans		DC fan / 2			
Fin coating			Blue fin			
Refrigerant		Typ / kg / t Eq. CO_2	R32 / 5 / 3,375			
Expansion tank	Volume	l	8			
	Max. water pressure	MPa	3			
	Pressure	MPa	1			
Unit dimension (W×H×D)		mm	1129×1558×528			
Packing dimension (W×H×D)		mm	1220×1735×565			
Net/gross weight		kg	177/206			
Outdoor air temperature range	Cooling	ºC	-5~46			
	Heating	ºC	-25~35			
	DHW	ºC	-25~43			
Water side heat exchanger			plate type			
Water side connection		inch	5/4"			
Water setting temperature range	Cooling	ºC	5~25			
	Heating	ºC	25~60			
	DHW	ºC	30~60			
OTHER TECHNICAL DATA						
Distance of holes		mm	494x874			
Circuit breaker		A	25(*20)	25(*20)	32(*25)	32(*25)
Recommended supply cable		mm^2	5x4	5x4	5x10	5x10
Inrush current		A	1	1	1	1
Nominal current		A	5,7	7,4	9,4	11
Maximum current		A	16,8	19,6	21,6	22,8
Display cable		-	Field supplied - 5x0,75			
STANDARD ACCESSORIES						
DHW sensor		-	Yes (10m)			
Y-filter		-	Yes			
Contoller		-	Yes			
Resistor for cascade		-	Yes			
OPTIONAL ACCESSORIES						
Optional E-heater		-	EH-SMH			
Three-way valve		-	Field supply (230V, 10-30 sec. switch time)			
HEATING SYSTEM REQUIREMENT						
Minimum water volume of heating system		l	270	330	390	450

Values marked with * are for minimal circuit breaker.
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