

MONOBLOC HE R32



AW052MUCHA
AW072MUCHA
AW092MUCHA



AW112MXCHA



ATW-A02
(optional)



HW-WA101DBT
(standard)

Model			AW052MUCHA	AW072MUCHA	AW092MUCHA	AW112MXCHA
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	5.00	7.00	9.00	11.00
	Power input	kW	0.99	1.40	1.84	2.24
	COP	-	5.06	5.00	4.90	4.90
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	5.00	7.00	8.50	10.50
	Power input	kW	1.69	2.41	3.09	3.50
	COP	-	2.95	2.90	2.75	3.00
Space heating Average climate water outlet 35°C	SCOP	-	4.97	4.95	4.95	4.70
	ns	%	196	195	195	185
	Energy class	-	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.52	3.38	3.34	3.40
	ns	%	138	132	131	133
	Energy class	-	A++	A++	A++	A++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	5.00	7.00	8.00	10.00
	Power input	kW	1.02	1.44	1.86	2.27
	EER	-	4.90	4.85	4.30	4.40
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	5.00	7.00	8.00	10.00
	Power input	kW	1.56	2.19	2.76	3.23
	EER	-	3.20	3.20	2.90	3.10
Outdoor operating temperature range	Heating	°C	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35
	Cooling	°C	10~48	10~48	10~48	10~48
Leaving water temperature range	Heating	°C	25 ~ 60	25 ~ 60	25 ~ 60	25 ~ 60
	Cooling	°C	5~25	5~25	5~25	5~25
Water flow rate		L/min	14.3	20.1	25.8	31.5
Water piping connection	inlet/outlet	inch	R 1	R 1	R 1	R 1
Compressor	Quantity	-	1	1	1	1
	Type	-	DC inverter twin rotar			
Refrigerant	Type	-	R32			
	Charge/CO2 Eq.	kg/t	1.3/0.88	1.3/0.88	1.4/0.95	1.8/1.22
Net dimension	(WxHxD)	mm	790×1250×380	790×1250×380	790×1250×380	880×1380×460
Packing dimension	(WxHxD)	mm	1022x1395x550	1022x1395x550	1022x1395x550	1112x1526x630
Net/Gross weight		kg	81/109	81/109	85/113	108/148
Sound power level		dB	60	61	62	63
Power supply		V/-/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Max. running current		A	12	12	16	20
Recommended circuit breaker		A	16	16	20	25
Accessory	Wired controller	-	HW-WA101DBT (standard)			
	PCB Box	-	ATW-A02 (Optional)			
	Filter	-	Standard			



R32



A+++/A++



Max. 60°C
hot water



Climate Curve



2 Zone Control



Auto Mode



Smart Grid



Modbus



DHW Tank
Solar Control



Pool Heating



Anti-freezing

Note: 1. According to EN14511, EN14825 (EU) and No 811/2013(EU).
2. LWT: Leaving water temperature; OAT: Outdoor air temperature.
3. Sound level values are measured at a semi-anechoic room. And the sound power level values are based on measurement of EN2102-1 under conditions of EN14825.
4. PCB box is needed when using solar thermal function and pool heating function.
5. The above data may be changed without notice for future improvement on quality and performance.

MONOBLOC HE R32



AW142(N)MXCHA
AW162(N)MXCHA
AW11NMXCHA
AW14NMXCHA
AW16NMXCHA



ATW-A02
(optional)



HW-WA101DBT
(standard)

Model			AW142MXCHA	AW162MXCHA	AW11NMXCHA	AW14NMXCHA	AW16NMXCHA
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	14.00	16.00	11.00	14.00	16.00
	Power input	kW	2.95	3.53	2.24	2.95	3.53
	COP	-	4.75	4.53	4.90	4.75	4.53
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	13.50	15.20	10.50	13.50	15.20
	Power input	kW	4.82	5.53	3.33	4.82	5.53
	COP	-	2.80	2.75	3.00	2.80	2.75
Space heating Average climate water outlet 35°C	SCOP	-	4.65	4.55	4.70	4.65	4.55
	ns	%	183	179	185	183	179
	Energy class	-	A+++	A+++	A+++	A+++	A+++
Space heating Average climate water outlet 55°C	SCOP	-	3.45	3.40	3.40	3.45	3.40
	ns	%	135	133	133	135	133
	Energy class	-	A++	A++	A++	A++	A++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	13.50	15.20	10.00	13.50	15.20
	Power input	kW	3.14	3.80	2.27	3.14	3.80
	EER	-	4.30	4.00	4.40	4.30	4.00
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	12.00	14.00	10.00	12.00	14.00
	Power input	kW	4.21	5.28	3.23	4.21	5.28
	EER	-	2.85	2.65	3.10	2.85	2.65
Outdoor operating temperature range	Heating	°C	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35
	Cooling	°C	10~48	10~48	10~48	10~48	10~48
Leaving water temperature range	Heating	°C	25 ~ 60	25 ~ 60	25 ~ 60	25 ~ 60	25 ~ 60
	Cooling	°C	5~25	5~25	5~25	5~25	5~25
Water flow rate		L/min	40.1	45.9	31.5	40.1	45.9
Water piping connection	inlet/outlet	inch	R 1	R 1	R 1	R 1	R 1
Compressor	Quantity	-	1	1	1	1	1
	Type	-	DC inverter twin rotar				
Refrigerant	Type	-	R32				
	Charge/CO2 Eq.	kg/t	2.5/1.6	2.5/1.69	1.8/1.22	2.5/1.69	2.5/1.69
Net dimension	(WxHxD)	mm	880 × 1380 × 460	880 × 1380 × 460	880 × 1380 × 460	880 × 1380 × 460	880 × 1380 × 460
Packing dimension	(WxHxD)	mm	1112 × 1526 × 630	1112 × 1526 × 630	1112 × 1526 × 630	1112 × 1526 × 630	1112 × 1526 × 630
Net/Gross weight		kg	117/157	117/157	108/148	117/157	117/157
Sound power level		dB	65	65	63	65	65
Power supply		V/-/Hz	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Max. running current		A	32	32	10	12	12
Recommended circuit breaker		A	40	40	16	16	16
Accessory	Wired controller	-	HW-WA101DBT (standard)				
	PCB Box	-	ATW-A02 (Optional)				
	Filter	-	Standard				

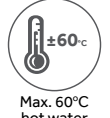
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