TECHNICAL DATA

Model			MHC-V4W/ D2N8-B2E30	MHC-V6W/ D2N8-B2E30	MHC-V8W/ D2N8-B2E30	MHC-V10W/ D2N8-B2E30	MHC-V12W/ D2RN8-B2ER90	MHC-V14W/ D2RN8-B2ER90	MHC-V16W/ D2RN8-B2ER90
Heating A7W35 ΔT=5	Heating capacity	kW	4.20	6.35	8.40	10.00	12.10	2:50 p.m.	3:90
	Power consumption	kW	0.82	1.28	1.63	2.02	2.44	3.15	3.53
	COP	-	5.10	4.95	5.15	4.95	4.95	4.60	4.50
Heating A7W45 ΔT=5	Heating capacity	kW	4.30	6.30	8.10	10.0	12:30	2:10 p.m.	4:00 p.m.
	Electricity consumption	kW	1.13	1.70	2.10	2.67	3.32	3.92	4.57
	COP	-	3.80	3.70	3.85	3.75	3.70	3.60	3.50
Heating A7W55 ΔT=5	Heating capacity	kW	4.40	6.0	7.50	9.50	11.90	13:80	4:00 p.m.
	Power consumption	kW	1.49	2.03	2.36	3.06	3.90	4.68	5.61
	COP	-	2.95	2.95	3.18	3.10	3.05	2.95	2.85
Cooling A35W7 ΔT=5	Cooling capacity	kW	4.70	7.00	7.45	8.20	11.50	12:40	2:00
	Electricity consumption	kW	1.36	2.33	2.22	2.52	4.18	4.96	5.60
	EER	-	3.45	3.00	3.35	3.25	2.75	2.50	2.50
Cooling A35W18 ΔT=5	Cooling capacity	kW	4.50	6.50	8.30	9.90	12.00	1:50 p.m.	2:20
	Electricity consumption	kW	0.82	1.35	1.64	2.18	3.04	3.74	3.94
	EER	-	5.50	4.80	5.05	4.55	3.95	3.61	3.61
Seasonal space heating energy efficiency class (1)	Water outlet temperature 35°C	-	A+++						
	Water outlet temperature 55°C	-	A++						
SCOP (2)	Water outlet temperature 35°C	-	4.85	4.95	5.22	5.20	4.81	4.72	4.62
	Water temperature at outlet 55°C	-	3.31	3.52	3.36	3.49	3.45	3.47	3.41
Seasonal energy efficiency ratio (ηs)	Water temperature at outlet 35°C	%	191.0	195.0	205.6	204.8	189.3	185.6	181.6
	Water temperature at outlet 55°C	%	129.5	137.9	131.5	136.6	135.1	135.6	133.2
Annual electricity consumption	Water temperature at outlet 35°C	kWh	2351	2845	3218	3644	5133	6013	6805
	Water temperature at outlet 55°C	kWh	2744	3345	4056	4539	6928	7203	7896
Device power supply	Voltage / Number of phases / Frequency	(V/~/Hz)	220-240/1/50				380-415/3/50		
	Minimum current carrying capacity of the power supply circuit (MCA)	(A)	25	27	29	30	23	24	25
Built-in electric heater	Heater power supply	(V/~/Hz)	220-240/1/50				380-415/3/50		
	Power / Number of steps	kW/-	3/1				9/3		
Operating range of outside air temperature	Cooling	°C	-5~43						
	Heating	°	-25~35						
	Domestic hot water	°C	-25~43						
Operating range of water outlet temperature	Cooling	°	5~25						
	Heating	°C	25~65						
	Domestic hot water	°C	20~60						
Sound power level (3)		dB(A)	55.00	58.00	59.00	60.00	65.00	65.00	68.00
Sound pressure level (4)		dB(A)	45.00	47.50	48.50	50.50	53.50	54.00	58.00
Refrigerant	Type / Amount of refrigerant	-/kg	R32/1.40				R32/1.75		
	CO_2equivalent emissions	kg	945.0	945.0	945.0	945.0	1181.3	1181.3	1181.3
Water connection diameter	Power supply	inch	1		5/4				
	Return	inch	1"		5/4				
Water flow range		m^3/h	0.40~0.90	0.40~1.25	0.40~1.65	0.40~2.10	0.70~2.50	0.70~2.75	0.70~3.00
Dimensions	Devices (W/H/D)	mm	1299×717×426		1385×865×523				
	Transport (W/H/D)	mm	1375×885×475		1465×1135×560				
Weight	Net	kg	90		106		129		
	Gross	kg	108		130		150		

Performance is determined based on the following conditions:

(1) The seasonal space heating energy efficiency class was tested in moderate climate conditions
(2) The seasonal energy efficiency SCOP was determined for moderate climate conditions
(3) The sound power level test complies with EN12102-1
(4) The sound pressure level is measured at a distance of 1 m from the device above the floor in a semi-anechoic chamber (A7W35). Related standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02:2014