TECHNICAL DATA MANUAL

M-THERMAL MONO

Thank you very much for purchasing our product.
Before use, please carefully read this manual and keep it for future reference.

Product fiche 1

Heat pump space heater		unit	MHC-V5W/D2N1	MHC-V7W/D2N1	MHC-V9W/D2N1	MHC-V10W/D2N1	MHC-V12W/D2N1	MHC-V14W/D2N1	MHC-V16W/D2N1	MHC-V12W/D2RN1	MHC-V14W/D2RN1	MHC-V16W/D2RN1
Indoor unit sound power (*)		[dB(A)]	/	/	/	/	/	/	/	/	/	/
Outdoor unit sound power (*)		[dB(A)]	63	67	70	68	69	73	73	70	73	75
Capacity of the back-up heater integrated in the unit	Psup back-up heater	[kW]	0	0	0	3	3	3	3	5	5	5
off peak operation function integrated in Heat pump		Y/N	No	No	No	No	No	No	No	No	No	No
Space heating	Energy efficiency class 35°C (Low temp. app.)	-	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++
Space heating	Energy efficiency class 55°C(Medium temp. app.)	-	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++
Average climate (Design temperature= –10°C)												
Space heating 35°C	Prated(declared heating capacity) @–10°C	[kW]	5	7	9	10	12	14	16	12	14	16
	Seasonal space heating efficiency(ηs)	[%]	176	178	163	162	166	173	167	175	168	164
	Annual energy consumption	[kWh]	2,143	2,989	4,377	4,896	6,312	6,630	7,957	5,544	6,551	8,002
Space heating 55°C	Prated(declared heating capacity) @–10°C	[kW]	7	7	9	11	11	13	14	11	13	14
	Seasonal space heating efficiency(ηs)	[%]	126	126	127	129	129	129	125	131	128	126
	Annual energy consumption	[kWh]	4,228	4,228	5,558	7,025	7,025	8,550	8,973	6,757	8,291	9,712
Part load conditions space heating average climate low temperature application												
(A) condition (-7°C)	Pdh(declared heating capacity)	[kW]	4.10	5.80	7.80	9.10	11.40	12.80	13.50	10.60	12.00	12.00
	COPd (declared COP)	-	2.85	2.80	2.45	2.74	2.92	2.78	2.78	2.83	2.66	2.65
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(B) condition (2°C)	Pdh(declared heating capacity)	[kW]	2.40	3.60	4.90	5.30	6.70	7.80	9.00	6.60	7.20	8.60
	COPd (declared COP)	-	4.53	4.18	3.76	4.10	4.25	4.09	3.99	4.08	3.97	3.97
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	Pdh(declared heating capacity)	[kW]	1.70	2.30	3.10	3.50	4.40	4.80	6.10	4.40	4.90	5.60
	COPd (declared COP)	-	6.08	6.39	6.39	5.90	6.42	6.12	6.12	6.22	6.36	6.03
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	Pdh(declared heating capacity)	[kW]	1.30	1.40	1.50	1.40	2.00	3.10	3.10	3.70	3.80	4.00
	COPd (declared COP)	-	8.92	9.24	8.50	4.40	6.48	8.83	7.84	9.37	9.00	8.54
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90

Product fiche 2

Heat pump space heater		unit	MHC-V5W/D2N1	MHC-V7W/D2N1	MHC-V9W/D2N1	MHC-V10W/D2N1	MHC-V12W/D2N1	MHC-V14W/D2N1	MHC-V16W/D2N1	MHC-V12W/D2RN1	MHC-V14W/D2RN1	MHC-V16W/D2RN1
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
	Pdh (declared heating capacity)	[kW]	4.20	6.30	7.50	9.80	10.70	11.80	11.60	10.90	10.80	11.00
	COPd (declared COP)	-	2.62	2.61	2.39	2.48	2.60	2.59	2.38	2.47	2.41	2.36
	WTOL (Heating water Operation Limit)	[°C]	49	49	49	49	49	49	49	49	49	49
(F) Tbivalent temperature	Tbiv	[°C]	-7	-7	-7	-10	-7	-8	-6	-7	-7	-5
	Pdh (declared heating capacity)	[kW]	4.10	5.80	7.80	9.80	11.40	13.00	13.90	10.60	12.00	13.00
	COPd (declared COP)	-	2.85	2.80	2.45	2.48	2.92	2.84	2.80	2.83	2.66	2.90
Supplementary capacity at P_design	Psup (@Tdesignh:-10°C)	[kW]	0.50	0.30	1.40	0	2.10	2.20	4.80	1.10	2.70	5.20
Part load conditions space heating average climate medium temperature application												
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	5.80	5.80	7.70	10.00	10.00	12.00	12.30	9.70	11.60	11.70
	COPd (declared COP)	-	1.97	1.97	1.98	2.01	2.01	2.06	2.02	2.00	2.02	1.99
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	3.70	3.70	4.90	6.30	6.30	7.40	7.90	6.20	7.50	7.80
	COPd (declared COP)	-	3.06	3.06	3.02	3.18	3.18	3.12	3.05	3.21	3.10	3.02
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	2.60	2.60	3.20	4.00	4.00	4.70	5.10	4.10	4.70	5.10
	COPd (declared COP)	-	4.46	4.46	4.67	4.54	4.53	4.68	4.57	4.67	4.68	4.70
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1.30	1.30	1.40	2.60	2.60	2.10	2.10	3.00	2.80	2.80
	COPd (declared COP)	-	5.65	5.65	6.16	5.37	5.37	4.82	4.77	5.68	5.20	5.28
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
	Pdh (declared heating capacity)	[kW]	6.60	6.60	7.00	10.90	10.90	11.00	10.20	11.50	11.70	10.60
	COPd (declared COP)	-	1.71	1.72	1.78	1.76	1.76	1.75	1.68	1.76	1.77	1.78
	WTOL (Heating water Operation Limit)	[°C]	49	49	49	49	49	49	49	49	49	49
(F) Tbivalent temperature	Tbiv	[°C]	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6
	Pdh (declared heating capacity)	[kW]	5.80	5.80	7.70	10.00	10.00	12.00	12.30	9.70	11.60	12.10
	COPd (declared COP)	-	1.97	1.97	1.98	2.01	2.01	2.06	2.02	2.00	2.02	2.09
Supplementary capacity at P_design	Psup (@Tdesignh:-10°C)	[kW]	0.00	0.00	1.70	0.40	0.40	2.60	3.70	0	1.50	3.70

Product fiche 3

Heat pump space heater		unit	MHC-V5W/D2N1	MHC-V7W/D2N1	MHC-V9W/D2N1	MHC-V10W/D2N1	MHC-V12W/D2N1	MHC-V14W/D2N1	MHC-V16W/D2N1	MHC-V12W/D2RN1	MHC-V14W/D2RN1	MHC-V16W/D2RN1
Colder climate (Design temperature = –22°C)												
Space heating 35°C	Prated (declared heating capacity) @ –22°C	[kW]	5	7	9	11	12	14	16	12	14	16
	Seasonal space heating efficiency (ηs)	[%]	133	158	147	132	144	136	131	145	145	121
	Annual energy consumption	[kWh]	3,331	4,116	5,717	7,747	8,175	10,032	12,145	8,515	9,430	12,724
Space heating 55°C	Prated (declared heating capacity) @ –22°C	[kW]	5	7	9	10	11	12	15	11	12	15
	Seasonal space heating efficiency (ηs)	[%]	100	106	110	99	94	94	99	108	108	111
	Annual energy consumption	[kWh]	4,459	6,436	7,622	9,946	12,303	12,303	14,341	10,958	10,956	13,021
Part load conditions space heating colder climate low temperature application												
condition (-15°C)	Pdh (declared heating capacity)	[kW]	3.70	5.50	6.60	8.60	9.80	9.90	9.90	10.00	10.30	9.30
	COPd (declared COP)	-	2.23	2.41	2.20	2.35	2.33	2.21	2.21	2.43	2.42	2.15
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	2.70	4.00	5.50	6.30	7.50	8.90	10.00	7.60	9.20	9.40
	COPd (declared COP)	-	3.04	3.25	3.08	3.11	3.14	2.90	2.81	3.19	3.15	2.74
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	1.60	2.50	3.20	3.80	4.70	5.20	6.20	4.70	6.00	6.30
	COPd (declared COP)	-	3.91	5.16	4.56	4.01	4.44	4.19	4.12	4.57	4.55	3.66
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	1.30	1.80	2.20	2.40	3.00	3.40	4.00	3.00	3.50	4.00
	COPd (declared COP)	-	5.98	7.13	6.39	5.82	6.10	5.85	5.91	6.06	6.03	5.47
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1.20	1.10	1.30	1.10	2.90	4.40	2.70	2.60	2.60	3.10
	COPd (declared COP)	-	8.59	7.57	8.13	3.56	8.92	8.72	6.88	5.76	5.65	6.10
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
	Pdh (declared heating capacity)	[kW]	4.50	4.90	5.30	8.20	8.30	7.60	8.40	8.40	8.20	7.60
	COPd (declared COP)	-	1.83	2.00	1.86	1.87	1.85	1.88	1.68	2.02	2.00	1.73
	WTOL (Heating water Operation Limit)	[°C]	40	40	40	40	40	40	40	40	40	40
(F) Tbivalent temperature	Tbiv	[°C]	-15	-15	-14	-15	-15	-12	-11	-14	-13	-11
	Pdh (declared heating capacity)	[kW]	3.70	5.50	6.80	8.60	9.80	10.40	11.80	10.10	10.80	11.40
	COPd (declared COP)	-	2.23	2.41	2.23	2.35	2.33	2.36	2.51	2.50	2.58	2.42
Supplementary capacity at P_design	Psup (@Tdesignh:–22°C)	[kW]	0.00	1.50	3.40	1.80	3.20	5.00	8.90	3.70	4.90	7.50

Product fiche 4

Heat pump space heater		unit	MHC-V5W/D2N1	MHC-V7W/D2N1	MHC-V9W/D2N1	MHC-V10W/D2N1	MHC-V12W/D2N1	MHC-V14W/D2N1	MHC-V16W/D2N1	MHC-V12W/D2RN1	MHC-V14W/D2RN1	MHC-V16W/D2RN1
Part load conditions space heating colder climate medium temperature application												
condition (-15°C)	Pdh (declared heating capacity)	[kW]	3.80	5.00	6.10	8.40	10.10	10.10	9.00	9.30	9.30	9.20
	COPd (declared COP)	-	1.66	1.66	1.79	1.68	1.82	1.82	1.64	1.80	1.80	1.72
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	3.00	4.40	5.40	6.20	7.80	7.80	8.80	7.80	7.80	9.30
	COPd (declared COP)	-	2.12	2.26	2.32	2.17	2.14	2.14	2.20	2.32	2.32	2.34
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	1.70	2.50	3.20	3.90	4.40	4.40	5.30	4.50	4.50	5.70
	COPd (declared COP)	-	3.01	3.43	3.38	3.00	2.77	2.77	3.20	3.35	3.35	3.53
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	1.20	1.60	2.10	2.50	2.90	2.90	3.40	2.90	2.90	3.60
	COPd (declared COP)	-	3.91	4.39	4.87	4.09	4.16	4.16	4.52	4.44	4.44	4.68
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1.10	1.00	1.10	1.20	1.30	1.30	2.50	2.40	2.40	3.60
	COPd (declared COP)	-	5.84	5.39	6.25	3.10	3.33	3.33	6.41	4.73	4.73	7.08
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00	-20.00
	Pdh (declared heating capacity)	[kW]	4.20	4.20	4.50	7.10	7.10	7.10	6.40	7.30	7.30	7.00
	COPd (declared COP)	-	1.37	1.34	1.38	1.31	1.29	1.29	1.16	1.40	1.40	1.34
	WTOL (Heating water Operation Limit)	[°C]	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
(F) Tbivalent temperature	Tblv	[°C]	-15.00	-13.00	-12.00	-15.00	-11.00	-11.00	-11.00	-14.00	-14.00	-11.00
	Pdh (declared heating capacity)	[kW]	3.80	5.40	6.40	8.40	8.60	8.60	10.60	9.80	9.80	10.70
	COPd (declared COP)	-	1.66	1.77	1.93	1.68	1.59	1.59	1.86	1.89	1.89	1.99
Supplementary capacity at P_design	Psup (@Tdesignh:-22°C)	[kW]	0.20	2.50	4.20	2.60	4.40	4.40	8.50	4.40	4.40	7.20
Warmer climate (Design temperature =2°C)												
Space heating 35°C	Prated (declared heating capacity) @ 2°C	[kW]	5	7	8	10	12	14	15	12	14	15
	Seasonal space heating efficiency (ηs)	[%]	229	248	245	272	251	237	218	250	188	212
	Annual energy consumption	[kWh]	1,105	1,392	1,791	2,021	2,565	3,223	3,569	2,580	4,023	3,756
Space heating 55°C	Prated (declared heating capacity) @ 2°C	[kW]	5	7	8	10	12	12	15	12	12	15
	Seasonal space heating efficiency (ηs)	[%]	145	167	167	153	159	160	155	149	147	169
	Annual energy consumption	[kWh]	1,660	2,121	2,668	3,534	3,967	3,928	4,963	4,386	4,445	4,773

Product fiche 5

Heat pump space heater		unit	MHC-V5W/D2N1	MHC-V7W/D2N1	MHC-V9W/D2N1	MHC-V10W/D2N1	MHC-V12W/D2N1	MHC-V14W/D2N1	MHC-V16W/D2N1	MHC-V12W/D2RN1	MHC-V14W/D2RN1	MHC-V16W/D2RN1
Part load conditions space heating warmer climate low temperature application												
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	4.70	6.60	8.30	10.10	12.90	14.00	14.00	12.40	13.70	12.60
	COPd (declared COP)	-	3.82	3.45	2.71	3.89	3.53	2.98	2.98	3.45	3.21	2.94
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	3.10	4.20	5.70	6.70	7.90	9.30	9.30	7.80	9.20	9.70
	COPd (declared COP)	-	5.70	5.59	5.30	5.61	5.47	5.17	5.17	5.54	5.31	5.29
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1.30	2.10	2.80	3.90	3.50	4.20	4.20	3.90	3.80	4.30
	COPd (declared COP)	-	7.76	8.15	8.67	10.18	8.38	8.01	8.01	7.91	7.51	7.06
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
	Pdh (declared heating capacity)	[kW]	4.70	6.60	8.30	10.10	12.90	14.00	14.00	12.40	13.70	12.60
	COPd (declared COP)	-	3.82	3.45	2.71	3.89	3.53	2.98	2.98	3.45	3.21	2.94
	WTOL (Heating water Operation Limit)	[°C]	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
(F) Tbivalent temperature	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
	Pdh (declared heating capacity)	[kW]	3.10	4.20	5.70	6.70	7.90	9.30	9.30	7.80	9.20	9.70
	COPd (declared COP)	-	5.70	5.59	5.30	5.61	5.47	5.17	5.17	5.54	5.31	5.29
Supplementary capacity at P_design	Psup (@Tdesignh:2°C)	[kW]	0.10	0.00	0.60	0.30	0.00	0.50	0.80	0.00	0.60	2.60
Part load conditions space heating warmer climate medium temperature application												
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	4.70	6.80	8.50	10.20	12.50	12.50	14.30	12.20	12.20	13.80
	COPd (declared COP)	-	2.07	2.18	2.22	2.35	2.37	2.37	2.27	2.42	2.42	2.43
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	3.00	4.40	5.80	6.60	7.70	7.70	9.20	8.00	8.00	9.90
	COPd (declared COP)	-	3.29	3.45	3.62	3.38	3.37	3.37	3.33	3.50	3.50	3.66
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1.40	2.10	2.50	3.00	3.60	3.60	4.20	3.40	3.40	4.60
	COPd (declared COP)	-	4.74	6.01	5.76	4.95	5.35	5.35	5.62	5.25	5.25	5.96
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
	Pdh (declared heating capacity)	[kW]	4.70	6.80	8.50	10.20	12.50	12.50	14.30	12.20	12.20	13.80
	COPd (declared COP)	-	2.07	2.18	2.22	2.35	2.37	2.37	2.27	2.42	2.42	2.43
	WTOL (Heating water Operation Limit)	[°C]	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00

Product fiche 6

Heat pump space heater		unit	MHC-V5W/D2N1	MHC-V7W/D2N1	MHC-V9W/D2N1	MHC-V10W/D2N1	MHC-V12W/D2N1	MHC-V14W/D2N1	MHC-V16W/D2N1	MHC-V12W/D2RN1	MHC-V14W/D2RN1	MHC-V16W/D2RN1
(F) Tbivalent temperature	Tbiv	[°C]	7	7	7	7	7	7	7	7	7	7
	Pdh (declared heating capacity)	[kW]	3.00	4.40	5.80	6.60	7.70	7.70	9.20	8.00	8.00	9.90
	COPd (declared COP)	-	3.29	3.45	3.62	3.38	3.37	3.37	3.33	3.50	3.50	3.66
Supplementary capacity at P_design	Psup (@Tdesignh:2°C)	[kW]	0.00	0.00	0.50	0.10	0.00	0.00	0.40	0.30	0.30	1.60
Ecodesign technical data												
Product description	Air-to-water heat pump	Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Water-to-water heat pump	Y/N	No	No	No	No	No	No	No	No	No	No
	Brine-to-water heat pump	Y/N	No	No	No	No	No	No	No	No	No	No
	Low-temperature heat pump	Y/N	No	No	No	No	No	No	No	No	No	No
	Equipped with a supplementary heater	Y/N	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Heat pump combination heater	Y/N	No	No	No	No	No	No	No	No	No	No
Air to water unit	Rated airflow (outdoor)	[m^3/h]	3050	3050	3050	6150	6150	6150	6150	6150	6150	6150
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	[m^3/h]	/	/	/	/	/	/	/	/	/	/
Other	Capacity control	-	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Power consumption Off mode)	[kW]	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.027	0.027	0.027
	Pto (Power consumption Thermostat off mode)	[kW]	0.016	0.016	0.016	0.006	0.006	0.006	0.006	0.006	0.006	0.006
	Psb (Power consumption Standby mode)	[kW]	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.027	0.027	0.027
	PCK (Power crankcase heater model)	[kW]	0.034	0.034	0.034	0.018	0.018	0.018	0.018	0.001	0.001	0.001
	Qelec (Daily electricity consumption)	[kWh]	/	/	/	/	/	/	/	/	/	/
	Qfuel (Daily fuel consumption)	[kWh]	/	/	/	/	/	/	/	/	/	/

Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

Product fiche data according to energy label directive 2010/30/EC regulation (EU) 811/2013.

Technical parameters

Model(s):	Unit: MHC-V5W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	5.8	kW
Tj = 2℃	Pdh	3.7	kW
Tj = 7℃	Pdh	2.6	kW
Tj = 12℃	Pdh	1.3	kW
Tj = bivalent temperature	Pdh	5.8	kW
Tj = operating limit	Pdh	6.6	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.016	kW
Standby mode	P_{sb}	0.016	kW
Thermostat-off mode	P_{to}	0.016	kW
Crankcase heater mode	P_{ck}	0.034	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	126	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	1.97	-
Tj = 2℃	COPd	3.06	-
Tj = 7℃	COPd	4.46	-
Tj = 12℃	COPd	5.65	-
Tj = bivalent temperature	COPd	1.97	-
Tj = operating limit	COPd	1.71	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	49	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0	kW
Type of energy input	Electrical		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/63	dB
Annual energy consumption	Q_{HE}	4228	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V5W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	COLDER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	3	kW
Tj = 2℃	Pdh	1.7	kW
Tj = 7℃	Pdh	1.2	kW
Tj = 12℃	Pdh	1.1	kW
Tj = bivalent temperature	Pdh	3.8	kW
Tj = operating limit	Pdh	4.2	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	3.8	kW
Bivalent temperature	T_{biv}	-15	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.016	kW
Standby mode	P_{sb}	0.016	kW
Thermostat-off mode	P_{to}	0.016	kW
Crankcase heater mode	P_{ck}	0.034	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	100	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.12	-
Tj = 2℃	COPd	3.01	-
Tj = 7℃	COPd	3.91	-
Tj = 12℃	COPd	5.84	-
Tj = bivalent temperature	COPd	1.66	-
Tj = operating limit	COPd	1.37	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.66	-
For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	40	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.2	kW
Type of energy input	-		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/63	dB
Annual energy consumption	Q_{HE}	4459	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V5W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	WARMER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	5	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	4.7	kW
Tj = 7℃	Pdh	3.0	kW
Tj = 12℃	Pdh	1.4	kW
Tj = bivalent temperature	Pdh	3.0	kW
Tj = operating limit	Pdh	4.7	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.016	kW
Standby mode	P_{sb}	0.016	kW
Thermostat-off mode	P_{to}	0.016	kW
Crankcase heater mode	P_{ck}	0.034	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	145	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.07	-
Tj = 7℃	COPd	3.29	-
Tj = 12℃	COPd	4.74	-
Tj = bivalent temperature	COPd	4.29	-
Tj = operating limit	COPd	2.07	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.2	kW
Type of energy input	-		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/63	dB
Annual energy consumption	Q_{HE}	1660	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	Unit: MHC-V7W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	5.8	kW
Tj = 2℃	Pdh	3.7	kW
Tj = 7℃	Pdh	2.6	kW
Tj = 12℃	Pdh	1.3	kW
Tj = bivalent temperature	Pdh	5.8	kW
Tj = operating limit	Pdh	6.6	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.016	kW
Standby mode	P_{sb}	0.016	kW
Thermostat-off mode	P_{to}	0.016	kW
Crankcase heater mode	P_{ck}	0.034	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	126	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	1.97	-
Tj = 2℃	COPd	3.06	-
Tj = 7℃	COPd	4.65	-
Tj = 12℃	COPd	5.65	-
Tj = bivalent temperature	COPd	1.97	-
Tj = operating limit	COPd	1.71	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	49	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0	kW
Type of energy input	Electrical		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/67	dB
Annual energy consumption	Q_{HE}	4228	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V7W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	COLDER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	4.4	kW
Tj = 2℃	Pdh	2.5	kW
Tj = 7℃	Pdh	1.6	kW
Tj = 12℃	Pdh	1.0	kW
Tj = bivalent temperature	Pdh	5.4	kW
Tj = operating limit	Pdh	4.2	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	5.0	kW
Bivalent temperature	T_{biv}	-13	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.016	kW
Standby mode	P_{sb}	0.016	kW
Thermostat-off mode	P_{to}	0.016	kW
Crankcase heater mode	P_{ck}	0.034	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	106	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.26	-
Tj = 2℃	COPd	3.43	-
Tj = 7℃	COPd	4.39	-
Tj = 12℃	COPd	5.39	-
Tj = bivalent temperature	COPd	1.77	-
Tj = operating limit	COPd	1.34	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.66	-
For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	40	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	2.5	kW
Type of energy input	-		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/67	dB
Annual energy consumption	Q_{HE}	6436	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V7W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	WARMER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	6.8	kW
Tj = 7℃	Pdh	4.4	kW
Tj = 12℃	Pdh	2.1	kW
Tj = bivalent temperature	Pdh	4.4	kW
Tj = operating limit	Pdh	6.8	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.016	kW
Standby mode	P_{sb}	0.016	kW
Thermostat-off mode	P_{to}	0.016	kW
Crankcase heater mode	P_{ck}	0.034	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	167	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.18	-
Tj = 7℃	COPd	3.45	-
Tj = 12℃	COPd	6.01	-
Tj = bivalent temperature	COPd	3.45	-
Tj = operating limit	COPd	2.18	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0	kW
Type of energy input	-		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/67	dB
Annual energy consumption	Q_{HE}	2121	kWh
For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	Unit: MHC-V9W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	7.7	kW
Tj = 2℃	Pdh	4.9	kW
Tj = 7℃	Pdh	3.2	kW
Tj = 12℃	Pdh	1.4	kW
Tj = bivalent temperature	Pdh	7.7	kW
Tj = operating limit	Pdh	7.0	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.016	kW
Standby mode	P_{sb}	0.016	kW
Thermostat-off mode	P_{to}	0.016	kW
Crankcase heater mode	P_{ck}	0.034	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	127	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	1.98	-
Tj = 2℃	COPd	3.02	-
Tj = 7℃	COPd	4.67	-
Tj = 12℃	COPd	6.16	-
Tj = bivalent temperature	COPd	1.98	-
Tj = operating limit	COPd	1.78	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	49	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	1.7	kW
Type of energy input	Electrical		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/70	dB
Annual energy consumption	Q_{HE}	5558	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V9W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	COLDER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	9	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	5.4	kW
Tj = 2℃	Pdh	3.2	kW
Tj = 7℃	Pdh	2.1	kW
Tj = 12℃	Pdh	1.1	kW
Tj = bivalent temperature	Pdh	6.4	kW
Tj = operating limit	Pdh	4.5	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	6.1	kW
Bivalent temperature	T_{biv}	-12	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.016	kW
Standby mode	P_{sb}	0.016	kW
Thermostat-off mode	P_{to}	0.016	kW
Crankcase heater mode	P_{ck}	0.034	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	110	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.32	-
Tj = 2℃	COPd	3.38	-
Tj = 7℃	COPd	4.87	-
Tj = 12℃	COPd	6.25	-
Tj = bivalent temperature	COPd	1.93	-
Tj = operating limit	COPd	1.38	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.79	-
For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	40	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	4.2	kW
Type of energy input	-		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/70	dB
Annual energy consumption	Q_{HE}	7622	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V9W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	WARMER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	8.5	kW
Tj = 7℃	Pdh	5.8	kW
Tj = 12℃	Pdh	2.5	kW
Tj = bivalent temperature	Pdh	5.8	kW
Tj = operating limit	Pdh	8.5	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.016	kW
Standby mode	P_{sb}	0.016	kW
Thermostat-off mode	P_{to}	0.016	kW
Crankcase heater mode	P_{ck}	0.034	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	167	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.22	-
Tj = 7℃	COPd	3.62	-
Tj = 12℃	COPd	5.76	-
Tj = bivalent temperature	COPd	3.62	-
Tj = operating limit	COPd	2.22	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.5	kW
Type of energy input	-		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/70	dB
Annual energy consumption	Q_{HE}	2668	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	Unit: MHC-V10W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	11	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	10.0	kW
Tj = 2℃	Pdh	6.3	kW
Tj = 7℃	Pdh	4.0	kW
Tj = 12℃	Pdh	2.6	kW
Tj = bivalent temperature	Pdh	10.0	kW
Tj = operating limit	Pdh	10.9	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.017	kW
Standby mode	P_{sb}	0.017	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.018	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	129	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.01	-
Tj = 2℃	COPd	3.18	-
Tj = 7℃	COPd	4.54	-
Tj = 12℃	COPd	5.37	-
Tj = bivalent temperature	COPd	2.01	-
Tj = operating limit	COPd	1.76	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	49	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.4	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/68	dB
Annual energy consumption	Q_{HE}	7025	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V10W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	COLDER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	6.2	kW
Tj = 2℃	Pdh	3.9	kW
Tj = 7℃	Pdh	2.5	kW
Tj = 12℃	Pdh	1.2	kW
Tj = bivalent temperature	Pdh	8.4	kW
Tj = operating limit	Pdh	7.1	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	8.4	kW
Bivalent temperature	T_{biv}	-15	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.017	kW
Standby mode	P_{sb}	0.017	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.018	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	99	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.17	-
Tj = 2℃	COPd	3.00	-
Tj = 7℃	COPd	4.09	-
Tj = 12℃	COPd	3.10	-
Tj = bivalent temperature	COPd	1.68	-
Tj = operating limit	COPd	1.31	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.68	-
For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	40	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	2.6	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/68	dB
Annual energy consumption	Q_{HE}	9946	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			**Water heating energy efficiency**	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V10W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	WARMER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	10	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	10.2	kW
Tj = 7℃	Pdh	6.6	kW
Tj = 12℃	Pdh	3.0	kW
Tj = bivalent temperature	Pdh	6.6	kW
Tj = operating limit	Pdh	10.2	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.017	kW
Standby mode	P_{sb}	0.017	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.018	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	153	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.35	-
Tj = 7℃	COPd	3.38	-
Tj = 12℃	COPd	4.95	-
Tj = bivalent temperature	COPd	3.38	-
Tj = operating limit	COPd	2.35	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.1	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/68	dB
Annual energy consumption	Q_{HE}	3534	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			**Water heating energy efficiency**	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	Unit: MHC-V12W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	11	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	10.0	kW
Tj = 2℃	Pdh	6.3	kW
Tj = 7℃	Pdh	4.0	kW
Tj = 12℃	Pdh	2.5	kW
Tj = bivalent temperature	Pdh	10.0	kW
Tj = operating limit	Pdh	10.9	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.017	kW
Standby mode	P_{sb}	0.017	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.018	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	129	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.01	-
Tj = 2℃	COPd	3.18	-
Tj = 7℃	COPd	4.54	-
Tj = 12℃	COPd	5.37	-
Tj = bivalent temperature	COPd	2.01	-
Tj = operating limit	COPd	1.76	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	49	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.4	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/69	dB
Annual energy consumption	Q_{HE}	7025	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			**Water heating energy efficiency**	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V12W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	COLDER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	11	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	7.8	kW
Tj = 2℃	Pdh	4.4	kW
Tj = 7℃	Pdh	2.9	kW
Tj = 12℃	Pdh	1.3	kW
Tj = bivalent temperature	Pdh	8.6	kW
Tj = operating limit	Pdh	7.1	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	10.1	kW
Bivalent temperature	T_{biv}	-11	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.017	kW
Standby mode	P_{sb}	0.017	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.018	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	94	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.14	-
Tj = 2℃	COPd	2.77	-
Tj = 7℃	COPd	4.16	-
Tj = 12℃	COPd	3.33	-
Tj = bivalent temperature	COPd	1.59	-
Tj = operating limit	COPd	1.29	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.82	-
For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	40	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	4.4	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/69	dB
Annual energy consumption	Q_{HE}	12303	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			**Water heating energy efficiency**	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V12W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	WARMER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	12.5	kW
Tj = 7℃	Pdh	7.7	kW
Tj = 12℃	Pdh	3.6	kW
Tj = bivalent temperature	Pdh	7.7	kW
Tj = operating limit	Pdh	12.5	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.017	kW
Standby mode	P_{sb}	0.017	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.018	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	159	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.37	-
Tj = 7℃	COPd	3.37	-
Tj = 12℃	COPd	5.35	-
Tj = bivalent temperature	COPd	3.37	-
Tj = operating limit	COPd	2.37	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/69	dB
Annual energy consumption	Q_{HE}	3967	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	Unit: MHC-V14W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	13	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	12.0	kW
Tj = 2℃	Pdh	7.4	kW
Tj = 7℃	Pdh	4.7	kW
Tj = 12℃	Pdh	2.1	kW
Tj = bivalent temperature	Pdh	12.0	kW
Tj = operating limit	Pdh	11.0	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.017	kW
Standby mode	P_{sb}	0.017	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.018	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	129	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.05	-
Tj = 2℃	COPd	3.12	-
Tj = 7℃	COPd	4.68	-
Tj = 12℃	COPd	4.82	-
Tj = bivalent temperature	COPd	2.06	-
Tj = operating limit	COPd	1.75	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	49	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	2.6	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/73	dB
Annual energy consumption	Q_{HE}	8550	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V14W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	COLDER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	7.8	kW
Tj = 2℃	Pdh	4.4	kW
Tj = 7℃	Pdh	2.9	kW
Tj = 12℃	Pdh	1.3	kW
Tj = bivalent temperature	Pdh	8.6	kW
Tj = operating limit	Pdh	7.1	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	10.1	kW
Bivalent temperature	T_{biv}	-11	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.017	kW
Standby mode	P_{sb}	0.017	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.018	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	94	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.14	-
Tj = 2℃	COPd	2.77	-
Tj = 7℃	COPd	4.16	-
Tj = 12℃	COPd	3.33	-
Tj = bivalent temperature	COPd	1.59	-
Tj = operating limit	COPd	1.29	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.82	-
For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	40	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	4.4	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/73	dB
Annual energy consumption	Q_{HE}	12303	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			**Water heating energy efficiency**	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V14W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	WARMER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	12.5	kW
Tj = 7℃	Pdh	7.7	kW
Tj = 12℃	Pdh	3.6	kW
Tj = bivalent temperature	Pdh	7.7	kW
Tj = operating limit	Pdh	12.5	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.017	kW
Standby mode	P_{sb}	0.017	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.018	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	160	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.37	-
Tj = 7℃	COPd	3.37	-
Tj = 12℃	COPd	5.35	-
Tj = bivalent temperature	COPd	3.37	-
Tj = operating limit	COPd	2.37	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/73	dB
Annual energy consumption	Q_{HE}	3928	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	Unit: MHC-V16W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	12.3	kW
Tj = 2℃	Pdh	7.9	kW
Tj = 7℃	Pdh	5.1	kW
Tj = 12℃	Pdh	2.1	kW
Tj = bivalent temperature	Pdh	12.3	kW
Tj = operating limit	Pdh	10.2	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.017	kW
Standby mode	P_{sb}	0.017	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.018	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	125	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.02	-
Tj = 2℃	COPd	3.05	-
Tj = 7℃	COPd	4.57	-
Tj = 12℃	COPd	4.77	-
Tj = bivalent temperature	COPd	2.02	-
Tj = operating limit	COPd	1.66	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	49	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	3.7	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/73	dB
Annual energy consumption	Q_{HE}	8973	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V16W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	COLDER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	15	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	8.8	kW
Tj = 2℃	Pdh	5.3	kW
Tj = 7℃	Pdh	3.4	kW
Tj = 12℃	Pdh	2.5	kW
Tj = bivalent temperature	Pdh	10.6	kW
Tj = operating limit	Pdh	6.4	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	9	kW
Bivalent temperature	T_{biv}	-11	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.017	kW
Standby mode	P_{sb}	0.017	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.018	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	99	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.20	-
Tj = 2℃	COPd	3.20	-
Tj = 7℃	COPd	4.52	-
Tj = 12℃	COPd	6.41	-
Tj = bivalent temperature	COPd	1.86	-
Tj = operating limit	COPd	1.16	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.64	-
For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	40	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	8.5	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/73	dB
Annual energy consumption	Q_{HE}	14341	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			**Water heating energy efficiency**	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V16W/D2N1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	WARMER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	15	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	14.3	kW
Tj = 7℃	Pdh	9.2	kW
Tj = 12℃	Pdh	4.2	kW
Tj = bivalent temperature	Pdh	9.2	kW
Tj = operating limit	Pdh	14.3	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.017	kW
Standby mode	P_{sb}	0.017	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.018	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	155	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.27	-
Tj = 7℃	COPd	3.33	-
Tj = 12℃	COPd	5.62	-
Tj = bivalent temperature	COPd	3.33	-
Tj = operating limit	COPd	2.27	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.4	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/73	dB
Annual energy consumption	Q_{HE}	4963	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	Unit: MHC-V12W/D2RN1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	11	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	9.7	kW
Tj = 2℃	Pdh	6.2	kW
Tj = 7℃	Pdh	4.1	kW
Tj = 12℃	Pdh	3.0	kW
Tj = bivalent temperature	Pdh	9.7	kW
Tj = operating limit	Pdh	11.5	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-10	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.027	kW
Standby mode	P_{sb}	0.027	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.001	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	131	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.00	-
Tj = 2℃	COPd	3.21	-
Tj = 7℃	COPd	4.67	-
Tj = 12℃	COPd	5.68	-
Tj = bivalent temperature	COPd	2.00	-
Tj = operating limit	COPd	1.76	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	49	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/70	dB
Annual energy consumption	Q_{HE}	6757	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V12W/D2RN1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	COLDER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	11	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	7.8	kW
Tj = 2℃	Pdh	4.5	kW
Tj = 7℃	Pdh	2.9	kW
Tj = 12℃	Pdh	2.4	kW
Tj = bivalent temperature	Pdh	9.8	kW
Tj = operating limit	Pdh	7.3	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	9.3	kW
Bivalent temperature	T_{biv}	-14	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.027	kW
Standby mode	P_{sb}	0.027	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.001	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	108	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.32	-
Tj = 2℃	COPd	3.35	-
Tj = 7℃	COPd	4.44	-
Tj = 12℃	COPd	4.73	-
Tj = bivalent temperature	COPd	1.89	-
Tj = operating limit	COPd	1.40	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.80	-
For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	40	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	4.4	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/70	dB
Annual energy consumption	Q_{HE}	10958	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			**Water heating energy efficiency**	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V12W/D2RN1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	WARMER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	12.2	kW
Tj = 7℃	Pdh	8.0	kW
Tj = 12℃	Pdh	3.4	kW
Tj = bivalent temperature	Pdh	8.0	kW
Tj = operating limit	Pdh	12.2	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.027	kW
Standby mode	P_{sb}	0.027	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.018	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	149	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.42	-
Tj = 7℃	COPd	3.50	-
Tj = 12℃	COPd	5.25	-
Tj = bivalent temperature	COPd	3.50	-
Tj = operating limit	COPd	2.42	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.3	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/70	dB
Annual energy consumption	Q_{HE}	4386	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	Unit: MHC-V14W/D2RN1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	13	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	11.6	kW
Tj = 2℃	Pdh	7.5	kW
Tj = 7℃	Pdh	4.7	kW
Tj = 12℃	Pdh	2.8	kW
Tj = bivalent temperature	Pdh	11.6	kW
Tj = operating limit	Pdh	11.7	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.027	kW
Standby mode	P_{sb}	0.027	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.001	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	128	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.02	-
Tj = 2℃	COPd	3.10	-
Tj = 7℃	COPd	4.68	-
Tj = 12℃	COPd	5.20	-
Tj = bivalent temperature	COPd	2.02	-
Tj = operating limit	COPd	1.77	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	49	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	1.5	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/73	dB
Annual energy consumption	Q_{HE}	8291	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			**Water heating energy efficiency**	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V14W/D2RN1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	COLDER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	7.8	kW
Tj = 2℃	Pdh	4.5	kW
Tj = 7℃	Pdh	2.9	kW
Tj = 12℃	Pdh	2.4	kW
Tj = bivalent temperature	Pdh	9.8	kW
Tj = operating limit	Pdh	7.3	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	9.3	kW
Bivalent temperature	T_{biv}	-14	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.027	kW
Standby mode	P_{sb}	0.027	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.001	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	108	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.32	-
Tj = 2℃	COPd	3.35	-
Tj = 7℃	COPd	4.44	-
Tj = 12℃	COPd	4.73	-
Tj = bivalent temperature	COPd	1.89	-
Tj = operating limit	COPd	1.40	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.80	-
For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	40	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	4.4	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/73	dB
Annual energy consumption	Q_{HE}	10958	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:							
Declared load profile	-			**Water heating energy efficiency**	η_{wh}	-	%
Daily electricity consumption	Q_{clec}	-	kWh	Daily fuel consumption	Q_{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V14W/D2RN1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	WARMER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	12.2	kW
Tj = 7℃	Pdh	8.0	kW
Tj = 12℃	Pdh	3.4	kW
Tj = bivalent temperature	Pdh	8.0	kW
Tj = operating limit	Pdh	12.2	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.027	kW
Standby mode	P_{sb}	0.027	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.018	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	147	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.42	-
Tj = 7℃	COPd	3.50	-
Tj = 12℃	COPd	5.25	-
Tj = bivalent temperature	COPd	3.50	-
Tj = operating limit	COPd	2.42	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	0.3	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/73	dB
Annual energy consumption	Q_{HE}	4445	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	Unit: MHC-V16W/D2RN1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	11.7	kW
Tj = 2℃	Pdh	7.8	kW
Tj = 7℃	Pdh	5.1	kW
Tj = 12℃	Pdh	2.8	kW
Tj = bivalent temperature	Pdh	12.1	kW
Tj = operating limit	Pdh	10.6	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	-6	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.027	kW
Standby mode	P_{sb}	0.027	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.001	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	126	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	1.99	-
Tj = 2℃	COPd	3.02	-
Tj = 7℃	COPd	4.70	-
Tj = 12℃	COPd	5.28	-
Tj = bivalent temperature	COPd	2.09	-
Tj = operating limit	COPd	1.78	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	49	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	3.7	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/75	dB
Annual energy consumption	Q_{HE}	9172	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V16W/D2RN1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	COLDER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	15	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	9.3	kW
Tj = 2℃	Pdh	5.7	kW
Tj = 7℃	Pdh	3.6	kW
Tj = 12℃	Pdh	3.6	kW
Tj = bivalent temperature	Pdh	10.7	kW
Tj = operating limit	Pdh	7.0	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	9.2	kW
Bivalent temperature	T_{biv}	-11	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.027	kW
Standby mode	P_{sb}	0.027	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.001	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	111	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	2.34	-
Tj = 2℃	COPd	3.53	-
Tj = 7℃	COPd	4.68	-
Tj = 12℃	COPd	7.08	-
Tj = bivalent temperature	COPd	1.99	-
Tj = operating limit	COPd	1.34	-
For air-to-water heat pumps: Tj = -15℃	COPd	1.72	-
For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	40	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	7.2	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/75	dB
Annual energy consumption	Q_{HE}	13021	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

Model(s):	MHC-V16W/D2RN1
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	YES
Heat pump combination heater:	NO
Declared climate condition:	WARMER
Parameters are declared for medium-temperature application.	

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	15	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	Pdh	-	kW
Tj = 2℃	Pdh	13.8	kW
Tj = 7℃	Pdh	9.9	kW
Tj = 12℃	Pdh	4.6	kW
Tj = bivalent temperature	Pdh	9.9	kW
Tj = operating limit	Pdh	13.8	kW
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW
Bivalent temperature	T_{biv}	7	°C
Cycling interval capacity for heating	P_{cych}	-	kW
Degradation co-efficient (**)	C_{dh}	0.9	--
Power consumption in modes other than active mode			
Off mode	P_{off}	0.027	kW
Standby mode	P_{sb}	0.027	kW
Thermostat-off mode	P_{to}	0.006	kW
Crankcase heater mode	P_{ck}	0.018	kW

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	169	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7℃	COPd	-	-
Tj = 2℃	COPd	2.43	-
Tj = 7℃	COPd	3.66	-
Tj = 12℃	COPd	5.96	-
Tj = bivalent temperature	COPd	3.66	-
Tj = operating limit	COPd	2.43	-
For air-to-water heat pumps: Tj = -15℃	COPd	-	-
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval efficiency	COP_{cyc}	-	-
Heating water operating limit temperature	W_{TOL}	60	°C
Supplementary heater			
Rated heat output (**)	P_{sup}	1.5	kW
Type of energy input	Electrical Heating		

Other items			
Capacity control	variable		
Sound power level, indoors/outdoors	L_{WA}	-/75	dB
Annual energy consumption	Q_{HE}	4773	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m^3/h
For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h

For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q_{clec}	-	kWh
Annual electricity consumption	AEC	-	kWh

Water heating energy efficiency	η_{wh}	-	%
Daily fuel consumption	Q_{fuel}	-	kWh
Annual fuel consumption	AFC	-	GJ

Contact details	GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Information requirements for comfort chillers

Model(s):	MHC-V5W/D2N1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	4.6	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	207	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	4.6	kW	Tj=+35°C	EER_d	2.94	-
Tj=+30°C	P_{dc}	3.4	kW	Tj=+30°C	EER_d	4.49	-
Tj=+25°C	P_{dc}	2.2	kW	Tj=+25°C	EER_d	6.28	-
Tj=+20°C	P_{dc}	1.7	kW	Tj=+20°C	EER_d	8.28	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.027	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.027	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	3050	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/63	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V5W/D2N1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	4.6	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	263	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	4.6	kW	Tj=+35°C	EER_d	4.55	-
Tj=+30°C	P_{dc}	3.4	kW	Tj=+30°C	EER_d	6.16	-
Tj=+25°C	P_{dc}	2.3	kW	Tj=+25°C	EER_d	8.06	-
Tj=+20°C	P_{dc}	1.6	kW	Tj=+20°C	EER_d	8.93	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.027	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.027	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	3050	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/63	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V7W/D2N1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	6.7	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	200	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	6.7	kW	Tj=+35°C	EER_d	2.61	-
Tj=+30°C	P_{dc}	5.1	kW	Tj=+30°C	EER_d	3.91	-
Tj=+25°C	P_{dc}	3.2	kW	Tj=+25°C	EER_d	6.05	-
Tj=+20°C	P_{dc}	1.9	kW	Tj=+20°C	EER_d	8.53	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.027	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.027	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	3050	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/67	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V7W/D2N1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	6.5	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	243	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	6.5	kW	Tj=+35°C	EER_d	4.40	-
Tj=+30°C	P_{dc}	4.8	kW	Tj=+30°C	EER_d	4.09	-
Tj=+25°C	P_{dc}	3.0	kW	Tj=+25°C	EER_d	8.29	-
Tj=+20°C	P_{dc}	1.6	kW	Tj=+20°C	EER_d	8.54	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.027	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.027	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	3050	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/67	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V9W/D2N1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	8.1	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	182	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	8.1	kW	Tj=+35°C	EER_d	2.30	-
Tj=+30°C	P_{dc}	6.0	kW	Tj=+30°C	EER_d	3.36	-
Tj=+25°C	P_{dc}	3.9	kW	Tj=+25°C	EER_d	5.43	-
Tj=+20°C	P_{dc}	1.7	kW	Tj=+20°C	EER_d	8.21	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.027	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.027	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	3050	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/70	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V9W/D2N1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	8.4	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	319	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	8.4	kW	Tj=+35°C	EER_d	3.97	-
Tj=+30°C	P_{dc}	6.0	kW	Tj=+30°C	EER_d	6.01	-
Tj=+25°C	P_{dc}	3.8	kW	Tj=+25°C	EER_d	9.93	-
Tj=+20°C	P_{dc}	1.7	kW	Tj=+20°C	EER_d	13.85	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.027	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.027	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	3050	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/70	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V10W/D2N1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	10.4	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	219	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	10.4	kW	Tj=+35°C	EER_d	3.18	-
Tj=+30°C	P_{dc}	8.1	kW	Tj=+30°C	EER_d	4.17	-
Tj=+25°C	P_{dc}	4.9	kW	Tj=+25°C	EER_d	6.51	-
Tj=+20°C	P_{dc}	2.7	kW	Tj=+20°C	EER_d	8.45	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.017	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.017	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/68	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V10W/D2N1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	10.3	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	265	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35˚C	P_{dc}	10.3	kW	Tj=+35˚C	EER_d	4.98	-
Tj=+30˚C	P_{dc}	7.6	kW	Tj=+30˚C	EER_d	6.24	-
Tj=+25˚C	P_{dc}	5.0	kW	Tj=+25˚C	EER_d	7.39	-
Tj=+20˚C	P_{dc}	2.3	kW	Tj=+20˚C	EER_d	7.62	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.017	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.017	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/68	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V12W/D2N1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	12.2	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	224	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	12.2	kW	Tj=+35°C	EER_d	2.93	-
Tj=+30°C	P_{dc}	9.9	kW	Tj=+30°C	EER_d	4.31	-
Tj=+25°C	P_{dc}	5.7	kW	Tj=+25°C	EER_d	6.59	-
Tj=+20°C	P_{dc}	3.1	kW	Tj=+20°C	EER_d	8.96	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.017	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.017	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/69	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V12W/D2N1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	12.2	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	277	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	12.2	kW	Tj=+35°C	EER_d	4.60	-
Tj=+30°C	P_{dc}	8.9	kW	Tj=+30°C	EER_d	6.09	-
Tj=+25°C	P_{dc}	5.7	kW	Tj=+25°C	EER_d	8.07	-
Tj=+20°C	P_{dc}	2.7	kW	Tj=+20°C	EER_d	8.38	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.017	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.017	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/69	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V14W/D2N1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	13.0	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	190	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	13.0	kW	Tj=+35°C	EER_d	2.86	-
Tj=+30°C	P_{dc}	9.3	kW	Tj=+30°C	EER_d	4.00	-
Tj=+25°C	P_{dc}	6.1	kW	Tj=+25°C	EER_d	4.70	-
Tj=+20°C	P_{dc}	2.7	kW	Tj=+20°C	EER_d	8.43	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.017	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.017	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/73	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V14W/D2N1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	14.6	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	259	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	14.6	kW	Tj=+35°C	EER_d	4.40	-
Tj=+30°C	P_{dc}	10.6	kW	Tj=+30°C	EER_d	5.64	-
Tj=+25°C	P_{dc}	6.7	kW	Tj=+25°C	EER_d	7.79	-
Tj=+20°C	P_{dc}	3.2	kW	Tj=+20°C	EER_d	7.20	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.017	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.017	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/73	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V16W/D2N1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	13.7	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	180	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	13.7	kW	Tj=+35°C	EER_d	2.66	-
Tj=+30°C	P_{dc}	10.0	kW	Tj=+30°C	EER_d	3.74	-
Tj=+25°C	P_{dc}	6.4	kW	Tj=+25°C	EER_d	4.57	-
Tj=+20°C	P_{dc}	3.1	kW	Tj=+20°C	EER_d	7.61	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.017	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.017	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/73	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V16W/D2N1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	14.8	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	243	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	14.8	kW	Tj=+35°C	EER_d	4.05	-
Tj=+30°C	P_{dc}	11.1	kW	Tj=+30°C	EER_d	5.24	-
Tj=+25°C	P_{dc}	7.1	kW	Tj=+25°C	EER_d	7.45	-
Tj=+20°C	P_{dc}	3.3	kW	Tj=+20°C	EER_d	6.67	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.017	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.017	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/73	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V12W/D2RN1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	12.6	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	207	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	12.6	kW	Tj=+35°C	EER_d	2.91	-
Tj=+30°C	P_{dc}	9.5	kW	Tj=+30°C	EER_d	4.11	-
Tj=+25°C	P_{dc}	6.0	kW	Tj=+25°C	EER_d	5.99	-
Tj=+20°C	P_{dc}	3.1	kW	Tj=+20°C	EER_d	8.20	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.027	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.027	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/70	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V12W/D2RN1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	12.6	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	233	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	12.6	kW	Tj=+35°C	EER_d	4.60	-
Tj=+30°C	P_{dc}	9.3	kW	Tj=+30°C	EER_d	5.29	-
Tj=+25°C	P_{dc}	5.5	kW	Tj=+25°C	EER_d	6.95	-
Tj=+20°C	P_{dc}	3.4	kW	Tj=+20°C	EER_d	6.49	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.027	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.027	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/70	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V14W/D2RN1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	13.8	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	194	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	13.8	kW	Tj=+35°C	EER_d	2.68	-
Tj=+30°C	P_{dc}	10.2	kW	Tj=+30°C	EER_d	3.55	-
Tj=+25°C	P_{dc}	5.9	kW	Tj=+25°C	EER_d	6.09	-
Tj=+20°C	P_{dc}	3.2	kW	Tj=+20°C	EER_d	7.36	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.027	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.027	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/73	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V14W/D2RN1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	14.0	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	235	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	14.0	kW	Tj=+35°C	EER_d	4.30	-
Tj=+30°C	P_{dc}	10.1	kW	Tj=+30°C	EER_d	5.68	-
Tj=+25°C	P_{dc}	6.2	kW	Tj=+25°C	EER_d	6.74	-
Tj=+20°C	P_{dc}	3.5	kW	Tj=+20°C	EER_d	6.55	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.027	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.027	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/73	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V16W/D2RN1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	15.3	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	199	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	15.3	kW	Tj=+35°C	EER_d	2.38	-
Tj=+30°C	P_{dc}	11.5	kW	Tj=+30°C	EER_d	4.05	-
Tj=+25°C	P_{dc}	7.7	kW	Tj=+25°C	EER_d	6.06	-
Tj=+20°C	P_{dc}	3.8	kW	Tj=+20°C	EER_d	7.37	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.027	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.027	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/75	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Low temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Information requirements for comfort chillers

Model(s):	MHC-V16W/D2RN1
Outdoor side heat exchanger of chiller:	Air to water
Indoor side heat exchanger chiller:	Water
Type:	Compressor driven vapour compression
Driver of compressor:	Electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	15.1	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	244	%
Declared cooling capacity for part load at given outdoor temperature Tj				Declared energy efficiency ratio for part load at given outdoor temperature Tj			
Tj=+35°C	P_{dc}	15.1	kW	Tj=+35°C	EER_d	4.00	-
Tj=+30°C	P_{dc}	11.3	kW	Tj=+30°C	EER_d	5.38	-
Tj=+25°C	P_{dc}	7.1	kW	Tj=+25°C	EER_d	7.61	-
Tj=+20°C	P_{dc}	3.6	kW	Tj=+20°C	EER_d	6.79	-
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.027	kW	Crankcase heater mode	P_{CK}	0.000	kW
Thermosat-off mode	P_{TO}	0.006	kW	Standby mode	P_{SB}	0.027	kW
Other items							
Capacity control	variable			For air-to-water comfort chillers: air flow rate, outdoor measured	-	6150	m^3/h
Sound power level, indoors / outdoors	L_{WA}	-/75	dB				
Emissions of nitrogen oxides (if applicable)	NO_x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m^3/h
GWP of the refrigerant	-	2088	kg CO_2 eq (100years)				
Standard rating conditions used	Medium temperature application						
Contact details	GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						

(*) If C_{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.
(**) From 26 September 2018.

Model	Mode	Heating									Cooling	
	Ambient temperature	7/6			2/1			-7/-8			35/24	
	Water temperature	30-35	40-45	47-55	30-35	40-45	a-55	30-35	40-45	a-55	23-18	12-7
MHC-V5W/D2N1	Capacity /W	4580	4670	4760	4380	4400	4270	4870	4640	4350	4550	4550
	Power input /W	970	1430	1880	1170	1660	1930	1760	2210	2390	1000	1550
	COP / EER	4.72	3.27	2.53	3.77	2.65	2.21	2.77	2.10	1.82	4.55	2.94
MHC-V7W/D2N1	Capacity /W	6550	6690	6240	6100	6250	5990	6120	6110	6140	6450	6710
	Power input /W	1450	2050	2390	1690	2310	2630	2310	2910	3250	1470	2570
	COP / EER	4.52	3.26	2.61	3.61	2.70	2.28	2.65	2.10	1.89	4.40	2.61
MHC-V9W/D2N1	Capacity /W	8640	9190	9350	6840	7090	7440	6220	5890	6270	8350	8060
	Power input /W	2010	2630	3280	2210	2710	2700	2420	2830	3390	2100	3510
	COP / EER	4.30	3.49	2.85	3.10	2.62	2.76	2.57	2.08	1.85	3.97	2.30
MHC-V10W/D2N1	Capacity /W	10430	10170	8890	9610	9070	11010	8880	8700	8620	10250	10440
	Power input /W	2280	3080	3380	2740	3400	4830	3130	3880	4910	2060	3280
	COP / EER	4.57	3.30	2.63	3.51	2.67	2.28	2.84	2.24	1.76	4.98	3.18
MHC-V12W/D2N1	Capacity /W	12170	12580	10550	11150	10550	12350	9720	9170	10130	12190	12210
	Power input /W	2730	3860	3840	3130	3950	5000	3610	4330	5640	2650	4170
	COP / EER	4.46	3.26	2.75	3.56	2.67	2.47	2.69	2.12	1.80	4.60	2.93
MHC-V14W/D2N1	Capacity /W	14760	14080	11640	12170	10880	12370	9870	9540	10600	14610	12950
	Power input /W	3400	4470	4380	3640	4260	5290	3820	4650	6100	3320	4530
	COP / EER	4.34	3.15	2.66	3.34	2.55	2.34	2.58	2.05	1.74	4.40	2.86
MHC-V16W/D2N1	Capacity /W	16330	16120	13430	13100	12520	13210	11340	10920	11300	14820	13720
	Power input /W	3900	5220	5220	4110	4740	5630	4100	5130	6300	3660	5160
	COP / EER	4.19	3.09	2.57	3.19	2.64	2.35	2.77	2.13	1.79	4.05	2.66
MHC-V12W/D2RN1	Capacity /W	12370	12020	12510	11580	12460	12180	11690	11650	10610	12640	12580
	Power input /W	2760	3720	4430	3380	4390	5090	4270	5080	5710	2750	4320
	COP / EER	4.48	3.23	2.82	3.43	2.84	2.39	2.74	2.29	1.86	4.60	2.91
MHC-V14W/D2RN1	Capacity /W	14100	14110	14410	12740	12160	11800	11880	10950	10910	14030	13800
	Power input /W	3260	4460	5160	3780	4610	5280	4390	5080	5920	3260	5140
	COP / EER	4.33	3.16	2.79	3.37	2.64	2.24	2.71	2.16	1.84	4.30	2.68
MHC-V16W/D2RN1	Capacity /W	16300	16060	16150	14190	14080	12170	12140	11810	10640	15100	15260
	Power input /W	3880	5230	5860	4420	5350	5500	4430	5350	6160	3780	6410
	COP / EER	4.20	3.07	2.76	3.21	2.63	2.21	2.74	2.21	1.73	4.00	2.38

*a-With the water flow rate as determined during the "7/6 47-55" test.

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