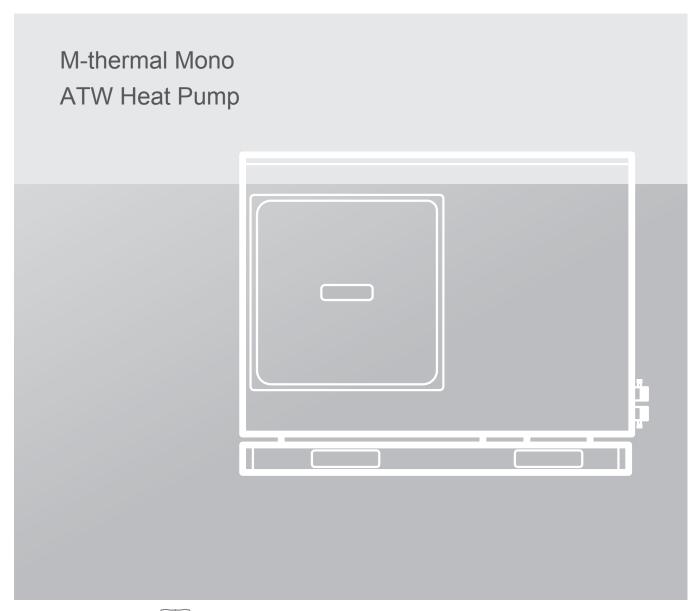
## **TECHNICAL DATA MANUAL**







Product fiche 1

Heat pump space heater	ater	unit	MHC-V5W/D2N8	MHC-V7W/D2N8	MHC-V9W/D2N8	HC-V7W/D2N8 MHC-V9W/D2N8 MHC-V12W/D2N8 MHC-V14W/D2N8 MHC-V16W/D2N8 MHC-V12W/D2RN8 MHC-V14W/D2RN8 MHC-V16W/D2RN8	MHC-V14W/D2N8	MHC-V16W/D2N8	MHC-V12W/D2RN8	MHC-V14W/D2RN8	MHC-V16W/D2RN8
Indoor unit sound power (*)		[dB(A)]	/	1	1	1	1	1	/	1	/
Outdoor unit sound power (*)		[dB(A)]	61	49	29	89	7.1	1.2	89	71	7.1
Capacity of the back-up heater integrated in the unit	Psup back-up heater	[kw]	0	0	0	0	0	0	0	0	0
off peak operation function integrated in Heat pump	inction integrated in	N/A	No	oN O	No	N <sub>O</sub>	N <sub>O</sub>	No	oN O	oN O	No
ing	Energy efficiency class 35°C (Low temp. app.)	-	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++
Average climate (Design temperature=	sign temperature= –10°C)	() <sub>°</sub> C)									
	Prated(declared heating capacity) @-10°C	[kW]	7	7	8	12	14	16	12	14	16
Space heating 35°C	Seasonal space heating efficiency(ns)	[%]	176	176	177	169	168	169	169	168	169
	Annual energy consumption	[kWh]	3,071	3,071	3,844	5,726	6,819	7,687	5,726	6,819	7,687
	Prated(declared heating capacity) @-10°C	[kW]	2	2	7	13	14	15	13	14	15
Space heating 55°C	Seasonal space heating efficiency(ns)	[%]	127	127	126	126	128	128	126	128	128
	Annual energy consumption	[kWh]	4,203	4,203	4,770	8,164	8,724	9,216	8,164	8,724	9,216
Part load conditions	Part load conditions space heating average climate low temperature	climat	e low temperatu	ıre application							
	Pdh(declared heating capacity)	[kW]	5.88	5.88	7.42	10.52	12.47	14.15	10.52	12.47	14.15
(A) condition (-7°C)	COPd (declared COP)	-	2.91	2.91	2.80	2.88	2.84	2.72	2.88	2.84	2.72
	Cdh(degradation coefficient)	-	06:0	06:0	06:0	06.0	06.0	06'0	06:0	06:0	06.0
	Pdh(declared heating capacity)	[kW]	3.64	3.64	4.83	6.50	7.48	8.92	6.50	7.48	8.92
(B) condition (2°C)	COPd (declared COP)	-	4.38	4.38	4.33	4.15	4.19	4.17	4.15	4.19	4.17
	Cdh(degradation coefficient)	-	06:0	06:0	06:0	06.0	06.0	06'0	06:0	06:0	06.0
	Pdh(declared heating capacity)	[kW]	2.42	2.42	3.20	4.12	5.04	5.64	4.12	5.04	5.64
(C) condition (7°C)	COPd (declared COP)	-	5.89	5.89	6.20	5.74	5.99	5.86	5.74	5.99	5.86
	Cdh(degradation coefficient)	-	06:0	06:0	06:0	06.0	06.0	06'0	06:0	06:0	06.0
	Pdh(declared heating capacity)	[kW]	1.03	1.03	1.55	2.23	2.23	2.47	2.23	2.23	2.47
(D) condition (12°C)		1	5.89	5.89	7.61	5.40	5.30	6.28	5.40	5.30	6.28
	Cdh(degradation coefficient)	•	06:0	06:0	0.90	0.90	06:0	06.0	0.90	0.90	06:0

Product fiche 2

Heat pump space heater	neater	unit	MHC-V5W/D2N8	MHC-V7W/D2N8	MHC-V9W/D2N8	MHC-V12W/D2N8	MHC-V14W/D2N8	MHC-V5W/D2N8 MHC-V7W/D2N8 MHC-V9W/D2N8 MHC-V12W/D2N8 MHC-V14W/D2N8 MHC-V16W/D2N8 MHC-V12W/D2RN8 MHC-V14W/D2RN8 MHC-V16W/D2RN8	MHC-V12W/D2RN8	MHC-V14W/D2RN8	MHC-V16W/D2RN8
	Tol (temperature operating limit)	[]	-10	-10	-10	-10	-10	-10	-10	-10	-10
(E) Tol(temperature	Pdh (declared heating capacity)	[kW]	6.62	6.62	6.64	12.01	12.72	12.93	12.01	12.72	12.93
operating limit)	COPd (declared COP)	1	2.63	2.63	2.54	2.60	2.51	2.41	2.60	2.51	2.41
	WTOL (Heating water Operation Limit)	[]	09	09	09	09	09	09	09	09	09
	Tbiv	[]	2-	2-	L-	<i>L</i> -	<i>L</i> -	<i>L</i> -	<i>L</i> -	2-	-7
(F) Tbivalent temperature	Pdh (declared heating capacity)	[kW]	5.88	5.88	7.42	10.52	12.47	14.15	10.52	12.47	14.15
	COPd (declared COP)	,	2.91	2.91	2.80	2.88	2.84	2.72	2.88	2.84	2.72
Supplementary capacity at P_design	Psup (@Tdesignh:-10°C)	[kW]	0.00	0.00	1.80	00:0	1.40	3.10	00.00	1.40	3.10
Part load condition:	Part load conditions space heating average climate medium temperature application	climate	medium temp	erature applica	tion						
	Pdh (declared heating capacity)	[kW]	5.83	5.83	6.58	11.29	12.18	12.90	11.29	12.18	12.90
(A) condition (-7°C)	COPd (declared COP)	1	1.97	1.97	1.87	2.05	2.05	2.04	2.05	2.05	2.04
	Cdh(degradation coefficient)	1	06.0	06.0	06:0	06:0	06:0	06:0	06:0	06:0	06.0
	Pdh (declared heating capacity)	[kW]	3.68	3.68	4.25	18.7	7.84	8.25	7.31	7.84	8.25
(B) condition (2°C)	COPd (declared COP)	,	3.22	3.22	3.19	3.14	3.18	3.21	3.14	3.18	3.21
	Cdh(degradation coefficient)	-	06:0	06'0	06'0	06'0	06'0	06:0	06.0	06:0	06.0
	Pdh (declared heating capacity)	[kW]	2.47	2.47	2.80	4.96	5.21	5.45	4.96	5.21	5.45
(C) condition (7°C)	COPd (declared COP)	-	4.21	4.21	4.38	4.25	4.29	4.32	4.25	4.29	4.32
	Cdh(degradation coefficient)	-	06:0	06'0	06'0	06'0	06'0	06'0	06'0	06:0	06.0
	Pdh (declared heating capacity)	[kW]	1.26	1.26	1.27	2.37	2.57	2.57	2.37	2.57	2.57
(D) condition (12°C) COPd (declared COP)	) COPd (declared COP)	-	4.91	16.4	5.04	4.94	5.14	5.12	4.94	5.14	5.12
	Cdh(degradation coefficient)	-	06:0	06'0	06'0	06'0	06'0	06'0	06'0	06:0	06.0
	Tol (temperature operating limit)	[°C]	-10	-10	-10	-10	-10	-10	-10	-10	-10
(E) Tol(temperature	Pdh (declared heating capacity)	[kW]	5.86	98'9	5.53	11.88	11.68	11.16	11.88	11.68	11.16
operating limit)	COPd (declared COP)	1	1.62	1.62	1.51	1.79	1.74	1.65	1.79	1.74	1.65
	WTOL (Heating water Operation Limit)	[].	09	09	09	09	09	09	09	09	09
	Tbiv	[°C]	2-	2-	<i>L</i> -	<i>L</i> -	<i>L</i> -	2-	2-	2-	-7
(F) Tbivalent temperature	Pdh (declared heating capacity)	[kW]	5.83	2.83	85'9	11.29	12.18	12.90	11.29	12.18	12.90
	COPd (declared COP)	-	1.97	1.97	1.87	2.05	2.05	2.04	2.05	2.05	2.04
Supplementary capacity at P_design	Psup (@Tdesignh:-10°C)	[kW]	0.70	0.70	1.80	06:0	2.10	3.40	06.0	2.10	3.40

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Heat pump space heater	er	±ici.	MHC_V/5\M\DONS	SINCO/WE/Y-DHM	MHC-WOW/DON8	MHC 1/10/M/D2NI8	MHC-V/4W/DONB	MHC_V/16\N/\D2NI8	MHC V.SW. DANG MAC V.	WHC-V14W/PODNIS	WHC_V/16\W\DODNIS
		i n	INITION 2001/DZINO	MITC-V / VV/DZINO	MITC-VSVV/DZIVO	MITO-V IZW/DZINO	MITO-V 14VV/DZINO	אובטיאטו ע-טוואו	ין סאואבטייאבו א-טרוואו	WITIC-V 14VV/DZRINO	סאואבעישטו ע-טרוויי
Colder climate (Design temperature	mperature = -22°C)										
	Prated (declared heating capacity) @ -22°C	[kW]	5	7	8	13	14	16	13	14	16
Space heating 35°C	Seasonal space heating efficiency (ŋs)	[%]	133	150	149	131	143	143	131	143	143
	Annual energy consumption	[kWh]	3,486	4,217	5,303	9,294	9,427	10,487	9,294	9,427	10,487
	Prated (declared heating capacity) @ -22°C	[kW]	5	2	8	12	14	15	12	14	15
Space heating 55°C	Seasonal space heating efficiency (ηs)	[%]	26	104	109	96	102	106	96	102	106
	Annual energy consumption	[kWh]	4,661	6,136	7,286	12,299	13,449	13,768	12,299	13,449	13,768
Part load conditions space heating colder climate low temperature application	ace heating colder clir	mate I	ow temperature	application							
	Pdh (declared heating capacity)	[kW]	3.92	5.35	5.85	10.31	11.39	11.38	10.31	11.39	11.38
condition (-15°C)	COPd (declared COP)		2.43	2.48	2.42	2.38	2.32	2.33	2.38	2.32	2.33
	Cdh(degradation coefficient)	-	06'0	06:0	06:0	06:0	06:0	06:0	06:0	06.0	06.0
	Pdh (declared heating capacity)	[kW]	2.86	4.19	5.31	7.74	8.71	9.98	7.74	8.71	9.98
(A) condition (-7°C)	COPd (declared COP)		3.09	3.22	3.22	3.18	3.17	3.15	3.18	3.17	3.15
	Cdh(degradation coefficient)		06:0	06:0	06:0	06:0	06:0	06:0	06:0	06.0	06.0
	Pdh (declared heating capacity)	[kW]	1.74	2.59	3.35	4.32	5.48	5.83	4.32	5.48	5.83
(B) condition (2°C)	COPd (declared COP)		4.09	4.53	4.76	4.00	4.27	4.33	4.00	4.27	4.33
	Cdh(degradation coefficient)		06:0	06:0	06.0	0.90	0.90	0.90	06:0	0.90	0.90
	Pdh (declared heating capacity)	[kW]	1.12	1.79	2.09	3.00	3.50	4.13	3.00	3.50	4.13
(C) condition (7°C)	COPd (declared COP)		4.52	6.13	6.34	5.69	5.89	6.12	5.69	5.89	6.12
	Cdh(degradation coefficient)		06:0	06:0	06:0	06.0	06:0	0.90	06:0	06.0	0.90
	Pdh (declared heating capacity)	[kW]	0.69	1.03	1.03	1.81	1.84	2.57	1.81	1.84	2.57
(D) condition (12°C)	COPd (declared COP)	-	4.04	6.00	5.75	4.56	4.52	6.50	4.56	4.52	6.50
	Cdh(degradation coefficient)		06:0	0.90	06.0	0.90	0.90	0.90	06:0	06.0	06.0
	Tol (temperature operating limit)	[]	-20	-20	-20	-22	-22	-22	-22	-22	-22
(E) Tol(temperature	Pdh (declared heating capacity)	[kw]	4.78	4.93	4.91	8.54	8.77	90.6	8.54	8.77	9.06
operating limit)	COPd (declared COP)		2.10	2.10	2.08	1.80	1.84	1.88	1.80	1.84	1.88
	WTOL (Heating water Operation Limit)	[့]	40	40	40	37	37	37	37	37	37
	Tbiv	[]	-15	-15	-13	-15	-15	-13	-15	-15	-13
(F) Tbivalent temperature	Pdh (declared heating capacity)	[kw]	3.92	5:35	6.26	10.30	11.39	11.85	10.30	11.39	11.85
	COPd (declared COP)		2.43	2.48	2.53	2.38	2.32	2.39	2.38	2.32	2.39
Supplementary capacity at P_design	Psup (@Tdesignh:-22°C) [kW]	[kw]	1.10	3.00	4.50	4.10	5.20	6.50	4.10	5.20	6.50

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Heat pump space heater	ər	unit	MHC-V5W/D2N8	MHC-V7W/D2N8	MHC-V9W/D2N8	MHC-V12W/D2N8	MHC-V14W/D2N8	MHC-V16W/D2N8	MHC-V12W/D2RN8	MHC-V5W/D2N8 MHC-V7W/D2N8 MHC-V9W/D2N8 MHC-V12W/D2N8 MHC-V16W/D2N8 MHC-V12W/D2N8 MHC-V14W/D2RN8 MHC-V16W/D2RN8	MHC-V16W/D2RN8
Part load conditions space heating colder climate medium temperature application	ace heating colder clir	mate m	nedium tempera	ature applicatio							
	Pdh (declared heating capacity)	[kW]	3.86	5.42	5.49	10.09	10.82	10.74	10.09	10.82	10.74
condition (-15°C)	COPd (declared COP)	-	1.73	1.80	1.76	1.78	1.77	1.76	1.78	1.77	1.76
	Cdh(degradation coefficient)	-	06.0	06:0	06:0	06.0	0.90	0.90	06:0	06:0	06:0
	Pdh (declared heating capacity)	[kW]	2.97	4.15	5.41	7.34	8.86	9.64	7.34	8.86	9.64
(A) condition (-7°C)	COPd (declared COP)	-	2.18	2.38	2.43	2.27	2.35	2.38	2.27	2.35	2.38
	Cdh(degradation coefficient)	1	06.0	06:0	06:0	06:0	06.0	06:0	06:0	06:0	06:0
	Pdh (declared heating capacity)	[kW]	1.75	2.67	3.30	4.47	5.30	5.59	4.47	5.30	5.59
(B) condition (2°C)	COPd (declared COP)	1	2.94	3.05	3.40	2.90	3.16	3.31	2.90	3.16	3.31
	Cdh(degradation coefficient)	1	06.0	06:0	06:0	06.0	06.0	0.90	06:0	06:0	06:0
	Pdh (declared heating capacity)	[kW]	1.16	1.71	2.17	2.88	3.28	3.95	2.88	3.28	3.95
(C) condition (7°C)	COPd (declared COP)	-	3.57	4.16	4.59	3.96	4.10	4.47	3.96	4.10	4.47
	Cdh(degradation coefficient)	1	06.0	06:0	06:0	06:0	06.0	06.0	06:0	06:0	06.0
	Pdh (declared heating capacity)	[kW]	0.61	0.91	06.0	1.44	1.44	1.90	1.44	1.44	1.90
(D) condition (12°C)	COPd (declared COP)	-	2.93	4.28	4.28	3.22	3.20	4.05	3.22	3.20	4.05
	Cdh(degradation coefficient)	1	06.0	06:0	06:0	06:0	06:0	0.90	06:0	06:0	06:0
	Tol (temperature operating limit)	[]	-18	-18	-18	-18	-18	-18	-18	-18	-18
(E) Tol(temperature	Pdh (declared heating capacity)	[kW]	4.10	4.05	4.17	7.66	7.65	6.72	7.66	7.65	6.72
operating limit)	COPd (declared COP)	-	1.28	1.25	1.29	1.27	1.26	1.10	1.27	1.26	1.10
	WTOL (Heating water Operation Limit)	[]	44	44	44	44	44	44	44	44	44
	Tbiv	[]	-15	-15	-12	-15	-14	-13	-15	-14	-13
(F) Tbivalent	Pdh (declared heating capacity)	[kW]	3.86	5.42	6.08	10.09	11.33	11.64	10.09	11.33	11.64
	COPd (declared COP)		1.73	1.80	1.98	1.78	1.85	1.88	1.78	1.85	1.88
Supplementary capacity at P_design	Psup (@Tdesignh:-22°C)	[kw]	2.70	4.60	6.30	6.80	8.70	9.60	6.80	8.70	9.60
Warmer climate (Design temperature =2°C)	n temperature =2°C)										
	Prated (declared heating capacity) @ 2°C	[kW]	5	7	8	12	14	16	12	14	16
Space heating 35°C	Seasonal space heating efficiency (ηs)	[%]	224	218	248	236	240	233	236	240	233
	Annual energy consumption	[kWh]	1,109	1,660	1,597	2,724	3,098	3,574	2,724	3,098	3,574
	Prated (declared heating capacity) @ 2°C	[kw]	5	7	6	12	14	16	12	14	16
Space heating 55°C	Seasonal space heating efficiency (ηs)	[%]	142	154	164	148	154	154	148	154	154
	Annual energy consumption	[kWh]	1,683	2,255	2,774	4,207	4,746	5,367	4,207	4,746	5,367

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Heat pump space heater	er.	unit	MHC-V5W/D2N8	MHC-V7W/D2N8	MHC-V9W/D2N8	MHC-V5W/D2N8 MHC-V7W/D2N8 MHC-V9W/D2N8 MHC-V12W/D2N8 MHC-V14W/D2N8 MHC-V16W/D2N8 MHC-V12W/D2RN8 MHC-V14W/D2RN8 MHC-V16W/D2RN8	MHC-V14W/D2N8	MHC-V16W/D2N8	WHC-V12W/D2RN8	MHC-V14W/D2RN8	MHC-V16W/D2RN8
Part load conditions space heating warmer climate low temperature application	ace heating warmer cl	limate	low temperatur	e application							
	Pdh (declared heating capacity)	[kW]	4.80	92'9	7.58	12.03	14.13	15.25	12.03	14.13	15.25
(B) condition (2°C)	COPd (declared COP)	-	3.78	3.75	2.90	3.60	3.39	2.94	3.60	3.39	2.94
	Cdh(degradation coefficient)	-	0.90	06:0	06:0	06:0	0.90	06:0	06:0	06:0	06.0
	Pdh (declared heating capacity)	[kW]	3.03	4.42	4.82	7.84	9.03	10.13	7.84	9.03	10.13
(C) condition (7°C)	COPd (declared COP)	-	5.29	5.53	5.46	5.45	5.38	5.32	5.45	5.38	5.32
	Cdh(degradation coefficient)		06.0	06:0	06:0	06:0	06:0	06:0	06:0	06.0	06.0
	Pdh (declared heating capacity)	[kW]	1.45	1.89	2.44	3.49	4.30	4.91	3.49	4.30	4.91
(D) condition (12°C)	COPd (declared COP)	1	6.47	7.53	8.24	7.14	7.45	7.48	7.14	7.45	7.48
	Cdh(degradation coefficient)	-	0.90	06:0	06.0	06:0	0.90	0.90	06:0	06.0	06.0
	Tol (temperature operating limit)	[]	2	2	2	2	2	2	2	2	2
(E) Tol(temperature operating limit)	Pdh (declared heating capacity)	[kW]	4.80	92'9	7.58	12.03	14.13	15.25	12.03	14.13	15.25
	COPd (declared COP)	-	3.78	3.75	2.90	3.60	3.39	2.94	3.60	3.39	2.94
	WTOL (Heating water Operation Limit)	[°C]	60	09	09	09	60	09	09	09	09
(E) Thivalent	Tbiv	[]	7	2	2	2	2	2	7	7	7
temperature	Pdh (declared heating capacity)	[kW]	3.03	4.42	4.82	7.84	9.03	10.13	7.84	9.03	10.13
	COPd (declared COP)	-	5.29	5.53	5.46	5.45	5.38	5.32	5.45	5.38	5.32
Supplementary capacity at P_design	Psup (@Tdesignh:2°C)	[kW]	0.00	0.10	0.00	0.20	0.00	0.50	0.20	0.00	0.50
Part load conditions spa	space heating warmer climate medium temperature application	limate	medium tempe	rature applicat	tion						
	Pdh (declared heating capacity)	[kW]	4.70	6.63	8.57	11.88	13.80	14.12	11.88	13.80	14.12
(B) condition (2°C)	COPd (declared COP)	-	2.27	2.18	2.15	2.18	2.17	2.14	2.18	2.17	2.14
	Cdh(degradation coefficient)	1	06.0	06:0	06.0	06:0	0.90	06:0	06:0	06:0	06:0
	Pdh (declared heating capacity)	[kW]	2.94	4.26	5.55	7.61	8.95	10.10	7.61	8.95	10.10
(C) condition (7°C)	COPd (declared COP)		3.10	3.34	3.43	3.08	3.18	3.22	3.08	3.18	3.22
	Cdh(degradation coefficient)	-	0.90	0.90	06.0	06:0	0.90	0.90	06:0	06:0	06:0
	Pdh (declared heating capacity)	[kW]	1.48	1.94	2.59	3.52	4.15	4.77	3.52	4.15	4.77
(D) condition (12°C)	COPd (declared COP)	1	4.56	4.99	5.57	4.94	5.26	5.46	4.94	5.26	5.46
	Cdh(degradation coefficient)	1	06.0	06:0	06.0	06:0	0.90	06:0	06:0	06:0	06:0
	Tol (temperature operating limit)	[]	2	2	2	2	2	2	2	2	2
(E) Tol(temperature operating limit)	Pdh (declared heating capacity)	[kW]	4.70	6.63	8.57	11.88	13.80	14.12	11.88	13.80	14.12
	COPd (declared COP)	-	2.27	2.18	2.15	2.18	2.17	2.14	2.18	2.17	2.14
	WTOL (Heating water Operation Limit)	[°C]	09	09	09	09	09	09	09	09	09

Product fiche 6

Heat pump space heater	ater	unit	MHC-V5W/D2N8	MHC-V7W/D2N8	MHC-V9W/D2N8	MHC-V12W/D2N8	MHC-V14W/D2N8	MHC-V7W/D2N8 MHC-V9W/D2N8 MHC-V12W/D2N8 MHC-V14W/D2N8 MHC-V16W/D2N8 MHC-V12W/D2RN8 MHC-V14W/D2RN8 MHC-V16W/D2RN8	MHC-V12W/D2RN8	MHC-V14W/D2RN8	MHC-V16W/D2RN8
(F) Thivalent	Tbiv	[]	7	7	7	7	7	2	2	2	7
temperature	Pdh (declared heating capacity)	[kW]	2.94	4.26	5.55	7.61	8.95	10.10	7.61	8.95	10.10
	COPd (declared COP)		3.10	3.34	3.43	3.08	3.18	3.22	3.08	3.18	3.22
Supplementary capacity at P_design	Psup (@Tdesignh:2°C)	[kW]	0.00	0.00	0.00	0.00	0.10	1.60	00:0	0.10	1.60
Ecodesign technical data	data										
	Air-to-water heat pump	N/A	Yes	Yes	Yes	Yes	Yes	Yes	SəA	Yes	Yes
	Water-to-water heat pump	N/Y	o N	No	N <sub>o</sub>	No	No	oN.	No	ON.	No
20170000	۵	N/Y	No	No	No	No	No	No	oN	No	No
Logaci describilo	Low-temperature heat pump	N/Y	o N	S.	S.	No	No	N <sub>O</sub>	No	S S	No
	Equipped with a supplementary heater	N/N	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
	Heat pump combination   , heater	Y/N	No	No	No	No	No	No	ON	No	No
Air to water unit	_	[m <sup>3</sup> /h]	3050	3050	3050	6150	6150	6150	6150	6150	6150
Brine/water to water unit Rated water/brine flow (outdoor H/E)		[m <sup>3</sup> /h]	/	,	/	/	/	/	/	/	/
	Capacity control	1	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
		[kW]	0.009	0.009	0.009	600.0	0.009	600.0	600.0	600.0	0.009
	_	[kW]	0.009	0.006	0.010	0.015	0.026	0.041	0.015	0.026	0.041
Other	Psb (Power consumption Standby mode)	[kW]	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
	ө	[kW]	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	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.

		Tech	nical	parameters			
Model(s):				MHC-V5W/D2N8			
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 heate	r:			NO			
Heat pump combination heater:				NO			
Declared climate condition:				AVERAGE			
Parameters are declared for medium-	emperature	application	-				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	6.6	kW	Seasonal space heating energy efficiency	ηs	127	%
Declared capacity for heating for part load a and outdoor temperature Tj	nt indoor temp	perature 20 °C	;	Declared coefficient of performance or primindoor temperature 20 °C and outdoor te			ad at
Tj = -7°C	Pdh	5.8	kW	Tj = -7 °C	COPd	1.97	-
Tj = 2 °C	Pdh	3.7	kW	Tj = 2℃	COPd	3.22	-
Tj = 7 °C	Pdh	2.5	kW	Tj = 7 ℃	COPd	4.21	-
Tj = 12 °C	Pdh	1.3	kW	Tj = 12℃	COPd	4.91	-
Tj = bivalent temperature	Pdh	5.8	kW	Tj = bivalent temperature	COPd	1.97	-
Tj = operating limit Pdh 5.9 kW  For air-to-water heat pumps: Tj = -15 C Pdh - kW  Bivalent temperature Tbiv -7 °C  Cycling interval capacity for heating Pcych - kW  Degradation co-efficient (**) Cdh 0.9  Power consumption in modes other than active mode  Off mode Poff 0.009 kW  Standby mode Psb 0.009 kW  Thermostat-off mode Pto 0.006 kW  Type of energy input  Tj = operating limit COPd 1.62 -  For air-to-water heat pumps: Tj = -15 °C  COPd  For air-to-water heat pumps: Operation limit temperature  Cycling interval efficiency COPcyc  Heating water operating limit temperature  WTOL 60 °C  Supplementary heater  Rated heat output (**)  Type of energy input  Electrical							
Tj = bivalent temperature Pdh 5.8 kW  Tj = operating limit Pdh 5.9 kW  For air-to-water heat pumps: Tj = -15 °C Pdh - kW  Bivalent temperature Tbiv -7 °C  Cycling interval capacity for heating Pcych - kW  Degradation co-efficient (**) Cdh 0.9  Power consumption in modes other than active mode  Off mode Poff 0.009 kW  Standby mode Psb 0.009 kW  Thermostat-off mode Pto 0.006 kW  Type of energy input  Tj = bivalent temperature COPd 1.97 -  Tj = bivalent temperature COPd 1.97 -  Tj = bivalent temperature COPd 1.62 -  Tj = operating limit COPd 1.62 -  Tj = operating limit COPd 1.62 -  For air-to-water heat pumps: Tj = -15 °C COPd  For air-to-water heat pumps: Operation limit temperature COPcyc  For air-to-water heat pumps: Operation limit temperature COPcyc  For air-to-water heat pumps: OPC COPcyc  For air-to-water heat pumps: OPC COPcyc  For air-to-water heat pumps: OPC COPcyc  For air-to-water heat pumps: Tj = -15 °C COPd  For air-to							
Tj = 7°C  Tj = 12°C  Pdh  1.3 kW  Tj = 7°C  COPd  4.21  Tj = 12°C  Tj = bivalent temperature  Pdh  5.8 kW  Tj = 7°C  COPd  4.91  - Tj = operating limit  Pdh  5.9 kW  For air-to-water heat pumps: Tj = -15°C  Pdh  Tj = operating limit  Poh  Tj = operating limit  Poh  Tj = operating limit  Poh  Tj = operating limit  COPd  1.97  Tj = operating limit  COPd  1.62  For air-to-water heat pumps: Tj = -15°C  COPd  1.97  Tj = operating limit  COPd  1.62  For air-to-water heat pumps: Tj = -15°C  COPd  1.62  For air-to-water heat pumps: Tj = -15°C  COPd  1.62  For air-to-water heat pumps: Coperation limit temperature  Cycling interval efficiency  Cycling interval efficiency  Cycling interval efficiency  CoPcyc  For air-to-water heat pumps: Coperation limit temperature  Cycling interval efficiency  Cycling interval efficiency  For air-to-water heat pumps: Tj = -15°C  CoPd  1.62  For air-to-water heat pumps: Coperation limit temperature  Cycling interval efficiency  Cycling interval efficiency  For air-to-water heat pumps: Coperation limit temperature  Cycling interval efficiency  Cycling interval efficiency  For air-to-water heat pumps: Tj = -15°C  CoPd  1.62  For air-to-water heat pumps: Tj = -15°C  CoPd  - For air-to-water heat pumps: Tj = -15°C  CoPd  - For air-to-water heat pumps: Tj = -15°C  CoPd  - For air-to-water heat pumps: Tj = -15°C  CoPd  - For air-to-water heat pumps: Tj = -15°C  CoPd  - For air-to-water heat pumps: Tj = -15°C  CoPd  - For air-to-water heat pumps: Tj = -15°C  CoPd  - For air-to-water heat pumps: Tj = -15°C  CoPd  - For air-to-water heat pumps: Tj = -15°C  CoPd  - For air-to-water heat pumps: Tj = -15°C  CoPd  - For air-to-water heat pumps: Tj = -15°C  CoPd  - For air-to-water heat pumps: Tj = -15°C  CoPd  - For air-to-water heat pumps: Tj = -15°C  CoPd  - For air-to-water heat pumps: Tj = -15°C  CoPd  - For air-to-water heat pumps: Tj = -15°C  For air-to-water heat pumps: Tj							
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than ac	tive mode			Supplementary heater			
Off mode	Poff	0.009	kW	Pated heat output (**)	D	0.7	
Standby mode	Psb	0.009	kW	Rated near output ( )	Psup	0.7	KVV
Thermostat-off mode	Pto	0.006	kW	Type of energy input		Flectrical	
Crankcase heater mode	Pck	0.000	kW	Type of onergy input		Licotrical	
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/61	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /h
Annual energy consumption	Q <sub>HE</sub>	4203	kWh	heat exchanger			
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)			

<sup>(\*)</sup> 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.

Model(s):							
				MHC-V5W/D2N8			
Air-to-water heat pump:				YES			
Vater-to-water heat pump:				NO			
Brine-to-water heat pump:				NO			
ow-temperature heat pump:				NO			
Equipped with a supplementary heate	er:			NO			
Heat pump combination heater:				NO			
Declared climate condition:				COLDER			
Parameters are declared for medium	temperature	application	•				
tem	Symbol	Value	Unit	Item	Symbol	Value	Un
Rated heat output (*)	Prated	4.7	kW	Seasonal space heating energy efficiency	ηs	97	%
Declared capacity for heating for part load and outdoor temperature Tj	at indoor temp	perature 20 °C	;	Declared coefficient of performance or primindoor temperature 20 °C and outdoor temperature 20 °	ary energy ra		ad at
rj = -7℃	Pdh	3.0	kW	Tj = -7℃	COPd	2.18	-
Γj = 2 ℃	Pdh	1.8	kW	Tj = 2℃	COPd	2.94	-
Γj = <b>7</b> ℃	Pdh	1.2	kW	Tj = 7℃	COPd	3.57	-
rj = 12℃	Pdh	0.6	kW	Tj = 12℃	COPd	2.93	-
rj = bivalent temperature	Pdh	3.9	kW	Tj = bivalent temperature	COPd	1.73	-
j = operating limit	Pdh	4.1	kW	Tj = operating limit	COPd	1.28	-
For air-to-water heat pumps: Tj = -15 C	Pdh	3.9	kW	For air-to-water heat pumps: Tj = -15°C	COPd	1.73	-
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	44	°C
Power consumption in modes other than a	ctive mode			Supplementary heater			
Off mode	Poff	0.009	kW	Dated heat output (**)	В	0.7	l
Standby mode	Psb	0.009	kW	Rated heat output (**)	Psup	2.7	kW
hermostat-off mode	Pto	0.009	kW	Type of energy input			
Crankcase heater mode	Pck	0.000	kW	Type of onergy input			
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/61	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /l
Annual energy consumption	Q <sub>HE</sub>	4661	kWh	heat exchanger			
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G.
	GD Midos I	Heating & Von	itilating Ea	uipment Co. Ltd			

<sup>(\*)</sup> 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.

Model(s):				MHC-V5W/D2N8							
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 heate	er:			NO							
Heat pump combination heater:				NO							
Declared climate condition:				WARMER							
Parameters are declared for medium-	temperature	application	1.								
Item	Symbol	Value	Unit	Item	Symbol	Value	Un				
Rated heat output (*)	Prated	4.6	kW	Seasonal space heating energy efficiency	ηs	142	%				
Declared capacity for heating for part load and outdoor temperature Tj	at indoor tem	perature 20 °C		Declared coefficient of performance or prim indoor temperature 20 °C and outdoor tell		tio for part lo	ad at				
Tj = -7℃	Pdh	-	kW	Tj = -7℃	COPd	-	-				
Tj = 2℃	Pdh	4.7	kW	Tj = 2℃	COPd	2.27	-				
Tj = 7℃	Pdh	2.9	kW	Tj = 7℃	COPd	3.10	-				
Tj = 12℃	Pdh	1.5	kW	Tj = 12℃	COPd	4.56	-				
Tj = bivalent temperature	Pdh	2.9	kW	Tj = bivalent temperature	COPd	3.10	-				
Tj = operating limit	Pdh	4.7	kW	Tj = operating limit	COPd	2.27	-				
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	-				
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°(				
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C				
Power consumption in modes other than a	ctive mode			Supplementary heater							
Off mode	Poff	0.009	kW	Detect heat quitaut (**)			l				
Standby mode	Psb	0.009	kW	Rated heat output (**)	Psup	0.0	k۱				
Thermostat-off mode	Pto	0.009	kW	Type of energy input							
Crankcase heater mode	Pck	0.000	kW	Type of energy input							
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m <sup>3</sup> /				
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/61	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/				
Annual energy consumption	Q <sub>HE</sub>	1683	kWh	heat exchanger							
For heat pump combination heater:											
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	9				
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	k۱				
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G				
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)							

		Tech	nical	parameters				
Model(s):				MHC-V7W/D2N8				
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 heate	r:			NO				
Heat pump combination heater:				NO				
Declared climate condition:				AVERAGE				
Parameters are declared for medium-	temperature	application						
Item	Symbol	Value	Unit	Item	Symbol	Value	Ur	
Rated heat output (*)	Prated	6.6	kW	Seasonal space heating energy efficiency	ηs	127	%	
Declared capacity for heating for part load a and outdoor temperature Tj				Declared coefficient of performance or prim indoor temperature 20 °C and outdoor te	ary energy ra	itio for part loa		
Tj = -7℃	Pdh	5.8	kW	Tj = -7℃	COPd	1.97	-	
Tj = 2 °C	Pdh	3.7	kW	Tj = 2 ℃	COPd	3.22	-	
Tj = 7 °C	Pdh	2.5	kW	Tj = 7℃	COPd	4.21	-	
Tj = 12℃	Pdh	1.3	kW	Tj = 12℃	COPd	4.91	-	
Tj = bivalent temperature	Pdh	5.8	kW	Tj = bivalent temperature	COPd	1.97	-	
Tj = operating limit	Pdh	5.9	kW	Tj = operating limit	COPd	1.62	-	
For air-to-water heat pumps: Tj = -15 ℃	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	-	
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°(	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than ac	tive mode			Supplementary heater				
Off mode	Poff	0.009	kW	Rated heat output (**)	Psup	0.7	kV	
Standby mode	Psb	0.009	kW	rated heat sulput ( )	1 sup	0.7	KV	
Thermostat-off mode	Pto	0.006	kW	Type of energy input		Electrical		
Crankcase heater mode	Pck	0.000	kW					
Other items								
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m <sup>3</sup> /	
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/64	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /	
Annual energy consumption	Q <sub>HE</sub>	4203	kWh	heat exchanger				
For heat pump combination heater:								
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	9	
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	k۷	
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G	
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)			_	

<sup>(\*)</sup> 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.

				parameters				
Model(s):				MHC-V7W/D2N8				
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 heate	r:			NO				
Heat pump combination heater:				NO				
Declared climate condition:				COLDER				
Parameters are declared for medium-	temperature	application						
Item	Symbol	Value	Unit	Item	Symbol	Value	Un	
Rated heat output (*)	Prated	6.6	kW	Seasonal space heating energy efficiency	ηѕ	104	%	
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor temp	perature 20 °C		Declared coefficient of performance or prim indoor temperature 20 °C and outdoor tell			ad at	
Tj = -7℃	Pdh	4.2	kW	Tj = -7℃	COPd	2.38	_	
Tj = 2 °C	Pdh	2.7	kW	Tj = 2℃	COPd	3.05	-	
Tj = 7 °C	Pdh	1.7	kW	Tj = 7℃	COPd	4.16	-	
Tj = 12℃	Pdh	0.9	kW	Tj = 12℃	COPd	4.28	-	
Tj = bivalent temperature	Pdh	5.4	kW	Tj = bivalent temperature	COPd	1.80	-	
Tj = operating limit	Pdh	4.1	kW	Tj = operating limit	COPd	1.25	-	
For air-to-water heat pumps: Tj = -15 °C	Pdh	5.4	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	1.80	-	
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	44	°C	
Power consumption in modes other than ac	tive mode			Supplementary heater				
Off mode	Poff	0.009	kW	Rated heat output (**)	Psup	4.6	1.37	
Standby mode	Psb	0.009	kW	Nated Heat Output ( )	r sup	4.6	kV	
Thermostat-off mode	Pto	0.006	kW	Type of energy input		_		
Crankcase heater mode	Pck	0.000	kW					
Other items								
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m <sup>3</sup> /l	
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/64	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /	
Annual energy consumption	Q <sub>HE</sub>	6136	kWh	heat exchanger				
For heat pump combination heater:								
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	9/	
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kV	
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G	
Contact details	GD Midea I	Heating & Ver	ntilating Eq	uipment Co. Ltd				

<sup>(\*)</sup> 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.

		Tech	nical	parameters				
Model(s):				MHC-V7W/D2N8				
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 heate	r:			NO				
Heat pump combination heater:				NO				
Declared climate condition:				WARMER				
Parameters are declared for medium-	temperature	application						
Item	Symbol	Value	Unit	Item	Symbol	Value	Ur	
Rated heat output (*)	Prated	6.6	kW	Seasonal space heating energy efficiency		154	%	
Declared capacity for heating for part load a and outdoor temperature Tj				Declared coefficient of performance or prim indoor temperature 20 °C and outdoor te		itio for part lo		
Tj = -7℃	Pdh	-	kW	Tj = -7℃	COPd	-	-	
Tj = 2 °C	Pdh	6.6	kW	Tj = 2 ℃	COPd	2.18	-	
Tj = 7 °C	Pdh	4.3	kW	Tj = 7℃	COPd	3.34	-	
Tj = 12℃	Pdh	1.9	kW	Tj = 12°C	COPd	4.99	-	
Tj = bivalent temperature	Pdh	4.3	kW	Tj = bivalent temperature	COPd	3.34	-	
Tj = operating limit	Pdh	6.6	kW	Tj = operating limit	COPd	2.18	-	
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C	COPd	-	-	
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C	
Power consumption in modes other than ac	tive mode			Supplementary heater				
Off mode	Poff	0.009	kW	Rated heat output (**)	Psup	0.0	l kV	
Standby mode	Psb	0.009	kW	reated heat output ( )	1 Sup	0.0	KV	
Thermostat-off mode	Pto	0.006	kW	Type of energy input		_		
Crankcase heater mode	Pck	0.000	kW					
Other items								
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m³/l	
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/64	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /	
Annual energy consumption	Q <sub>HE</sub>	2255	kWh	heat exchanger				
For heat pump combination heater:								
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%	
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW	
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G.	
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)				

<sup>(\*)</sup> 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.

		recn	nicai	parameters			
Model(s):				MHC-V9W/D2N8			
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 heate	r:			NO			
Heat pump combination heater:				NO			
Declared climate condition:				AVERAGE			
Parameters are declared for medium-	temperature	application	•				
Item	Symbol	Value	Unit	Item	Symbol	Value	Ur
Rated heat output (*)	Prated	7.4	kW	Seasonal space heating energy efficiency	ηs	126	%
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor temp	perature 20 °C	;	Declared coefficient of performance or primindoor temperature 20 °C and outdoor te			ad at
Tj = -7℃	Pdh	6.6	kW	Tj = -7℃	COPd	1.87	-
Tj = 2 °C	Pdh	4.3	kW	Tj = 2℃	COPd	3.19	-
Tj = 7 °C	Pdh	2.8	kW	Tj = 7℃	COPd	4.38	-
Tj = 12℃	Pdh	1.3	kW	Tj = 12 °C	COPd	5.04	-
Tj = bivalent temperature	Pdh	6.6	kW	Tj = bivalent temperature	COPd	1.87	-
Tj = operating limit	Pdh	5.5	kW	Tj = operating limit	COPd	1.51	-
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than ac	tive mode			Supplementary heater			
Off mode	Poff	0.009	kW				
Standby mode	Psb	0.009	kW	Rated heat output (**)	Psup	1.8	k۷
Thermostat-off mode	Pto	0.010	kW	Type of energy input			
Crankcase heater mode	Pck	0.000	kW	Type of energy input		Electrical	
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m <sup>3</sup> /l
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/67	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /
Annual energy consumption	Q <sub>HE</sub>	4770	kWh	heat exchanger			
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G.
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)			

<sup>(\*)</sup> 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.

Model(s):				MHC-V9W/D2N8							
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 heate	r:			NO							
Heat pump combination heater:				NO							
Declared climate condition:				COLDER							
Parameters are declared for medium-	temperature	application	1.								
tem	Symbol	Value	Unit	Item	Symbol	Value	Un				
Rated heat output (*)	Prated	8.2	kW	Seasonal space heating energy efficiency	ηs	109	%				
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor temp	perature 20 °C		Declared coefficient of performance or prim indoor temperature 20 °C and outdoor 20			ad at				
Tj = -7°C	Pdh	5.4	kW	Tj = -7°C	COPd	2.43	-				
Гј = 2℃	Pdh	3.3	kW	Tj = 2℃	COPd	3.40	-				
Гј = 7℃	Pdh	2.2	kW	Tj = 7 °C	COPd	4.59	-				
Γj = 12℃	Pdh	0.9	kW	Tj = 12℃	COPd	4.28	-				
Γj = bivalent temperature	Pdh	6.1	kW	Tj = bivalent temperature	COPd	1.98	-				
Tj = operating limit	Pdh	4.2	kW	Tj = operating limit	COPd	1.29	-				
For air-to-water heat pumps: Tj = -15℃	Pdh	5.5	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	1.76	-				
Bivalent temperature	Tbiv	-12	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-18	°(				
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	44	°(				
Power consumption in modes other than ac	tive mode			Supplementary heater							
Off mode	Poff	0.009	kW	Detect hand submit (**)	_		l				
Standby mode	Psb	0.009	kW	Rated heat output (**)	Psup	6.3	k۱				
Thermostat-off mode	Pto	0.010	kW	Type of energy input							
Crankcase heater mode	Pck	0.000	kW	Type of energy input							
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m <sup>3</sup> /				
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/67	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /				
Annual energy consumption	Q <sub>HE</sub>	7286	kWh	heat exchanger							
For heat pump combination heater:											
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	9				
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	k۱				
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G				
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)							

Model(s):				MHC-V9W/D2N8			
Air-to-water heat pump:				YES			
Water-to-water heat pump:				NO 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	<u> </u>				
T drameters are designed for medicin	temperature	арриосион	·-				
Item	Symbol	Value	Unit	Item	Symbol	Value	Un
Rated heat output (*)	Prated	8.6	kW	Seasonal space heating energy efficiency	ηs	164	%
Declared capacity for heating for part load and outdoor temperature Tj	at indoor temp	perature 20 °C		Declared coefficient of performance or prima indoor temperature 20 °C and outdoor temperature 20		tio for part lo	ad at
Tj = -7℃	Pdh	-	kW	Tj = -7℃	COPd	-	-
Tj = 2 °C	Pdh	8.6	kW	Tj = 2 °C	COPd	2.15	-
Tj = 7°C	Pdh	5.6	kW	Tj = 7℃	COPd	3.43	-
Tj = 12℃	Pdh	2.6	kW	Tj = 12℃	COPd	5.57	-
Tj = bivalent temperature	Pdh	5.6	kW	Tj = bivalent temperature	COPd	3.43	-
Tj = operating limit	Pdh	8.6	kW	Tj = operating limit	COPd	2.14	-
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C	COPd	-	-
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than a	ctive mode			Supplementary heater			
Off mode	Poff	0.009	kW	Deted heat output (**)	Б	0.0	
Standby mode	Psb	0.009	kW	Rated heat output (**)	Psup	0.0	kW
Thermostat-off mode	Pto	0.010	kW	Type of energy input		_	
Crankcase heater mode	Pck	0.000	kW	Type of chargy input			
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	3050	m <sup>3</sup> /
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/67	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /
Annual energy consumption	Q <sub>HE</sub>	2774	kWh	heat exchanger			
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	$\eta_{wh}$	-	%
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	k۷
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)			

Model(s):				MHC-V12W/D2N8			
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	er:			NO			
Heat pump combination heater:				NO			
Declared climate condition:				AVERAGE			
Parameters are declared for medium-	temperature	application	) <u>.</u>				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	12.8	kW	Seasonal space heating energy efficiency	ηѕ	126	%
Declared capacity for heating for part load and outdoor temperature Tj	at indoor tem	oerature 20 °C		Declared coefficient of performance or primindoor temperature 20 °C and outdoor 20 °			ad at
Tj = -7℃	Pdh	11.3	kW	Tj = -7°C	COPd	2.05	-
Tj = 2 °C	Pdh	7.3	kW	Tj = 2 ℃	COPd	3.14	-
Tj = 7 °C	Pdh	5.0	kW	Tj = 7 °C	COPd	4.25	-
Tj = 12 °C	Pdh	2.4	kW	Tj = 12℃	COPd	4.94	-
Tj = bivalent temperature	Pdh	11.3	kW	Tj = bivalent temperature	COPd	2.05	-
Tj = operating limit	Pdh	11.9	kW	Tj = operating limit	COPd	1.79	-
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than a	ctive mode			Supplementary heater			
Off mode	Poff	0.009	kW	Detect head autout (**)			
Standby mode	Psb	0.009	kW	Rated heat output (**)	Psup	0.9	kW
Thermostat-off mode	Pto	0.015	kW	Type of energy input			
Crankcase heater mode	Pck	0.000	kW	Type of energy input	Elec	ctrical Heatin	ig 
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/68	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h
Annual energy consumption	Q <sub>HE</sub>	8164	kWh	heat exchanger			
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)			

		Tech	nical	parameters					
Model(s):				MHC-V12W/D2N8					
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 heate	r:			NO					
Heat pump combination heater:				NO					
Declared climate condition:				COLDER					
Parameters are declared for medium-	temperature	application							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	12.4	kW	Seasonal space heating energy efficiency	ηs	96	%		
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor temp	perature 20 °C	;	Declared coefficient of performance or primindoor temperature 20 °C and outdoor te			ad at		
Tj = -7°C	Pdh	7.3	kW	Tj = -7℃	COPd	2.27	-		
Tj = 2 °C	Pdh	4.5	kW	Tj = 2 ℃	COPd	2.90	-		
Tj = 7 °C	Pdh	2.9	kW	Tj = 7 ℃	COPd	3.96	-		
Tj = 12 °C	Pdh	1.4	kW	Tj = 12˚C	COPd	3.22	-		
Tj = bivalent temperature	Pdh	10.1	kW	Tj = bivalent temperature	COPd	1.78	-		
Tj = operating limit	Pdh	7.7	kW	Tj = operating limit	COPd	1.27	-		
For air-to-water heat pumps: Tj = -15 °C	Pdh	10.1	kW	For air-to-water heat pumps: Tj = -15°C	COPd	1.78	-		
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C		
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-		
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	44	°C		
Power consumption in modes other than ac	tive mode			Supplementary heater					
Off mode	Poff	0.009	kW	Rated heat output (**)	Psup	0.0	.,,,		
Standby mode	Psb	0.009	kW	Rated fleat output ( )	rsup	6.8	kW		
Thermostat-off mode	Pto	0.015	kW	Type of energy input	El-	-4			
Crankcase heater mode	Pck	0.000	kW	Type of eliety input	Ele	ctrical Heating	-		
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m³/h		
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/68	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /h		
Annual energy consumption	Q <sub>HE</sub>	12299	kWh	heat exchanger					
For heat pump combination heater:			_						
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%		
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWł		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)					

<sup>(\*)</sup> 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.

		Tech	nical	parameters					
Model(s):				MHC-V12W/D2N8					
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 heate	r:			NO					
Heat pump combination heater:				NO					
Declared climate condition:				WARMER					
Parameters are declared for medium-	temperature	application							
Item	Symbol	Value	Unit	Item	Symbol	Value	Uni		
Rated heat output (*)	Prated	11.8	kW	Seasonal space heating energy efficiency	ηs	148	%		
Declared capacity for heating for part load a and outdoor temperature Tj				Declared coefficient of performance or prim indoor temperature 20 °C and outdoor te	ary energy ra	itio for part loa			
Tj = -7℃	Pdh	-	kW	Tj = -7℃	COPd	-	-		
Tj = 2 °C	Pdh	11.9	kW	Tj = 2 ℃	COPd	2.18	-		
Tj = 7 ℃	Pdh	7.6	kW	Tj = 7 ℃	COPd	3.08	-		
Tj = 12 °C	Pdh	3.5	kW	Tj = 12℃	COPd	4.94	-		
Tj = bivalent temperature	Pdh	7.6	kW	Tj = bivalent temperature	COPd	3.08	-		
Tj = operating limit	Pdh	11.9	kW	Tj = operating limit	COPd	2.18	-		
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	-		
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C		
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-		
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes other than ac	tive mode			Supplementary heater					
Off mode	Poff	0.009	kW	Rated heat output (**)	Psup	0.0	kW		
Standby mode	Psb	0.009	kW	reace near output ( )	1 sup	0.0	KVV		
Thermostat-off mode	Pto	0.015	kW	Type of energy input	Elo	ctrical Heating	a		
Crankcase heater mode	Pck	0.000	kW	31 33 1	Lie	- Circai Fleating	9		
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m <sup>3</sup> /ł		
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/68	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /l		
Annual energy consumption	Q <sub>HE</sub>	4207	kWh	heat exchanger					
For heat pump combination heater:									
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%		
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G.		
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)					

<sup>(\*)</sup> 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.

		Tech	nical	parameters			
Model(s):				MHC-V14W/D2N8			
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 heate	r:			NO			
Heat pump combination heater:				NO			
Declared climate condition:				AVERAGE			
Parameters are declared for medium-	temperature	application	=				
Item	Symbol	Value	Unit	Item	Symbol	Value	Un
Rated heat output (*)	Prated	13.8	kW	Seasonal space heating energy efficiency	ηs	128	%
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor temp	perature 20 °C	;	Declared coefficient of performance or primindoor temperature 20 °C and outdoor te	ary energy ra		ad at
Tj = -7℃	Pdh	12.2	kW	Tj = -7°C	COPd	2.05	-
Tj = 2 °C	Pdh	7.8	kW	Tj = 2℃	COPd	3.18	-
Tj = 7℃	Pdh	5.2	kW	Tj = 7℃	COPd	4.29	-
Tj = 12℃	Pdh	2.6	kW	Tj = 12 °C	COPd	5.14	-
Tj = bivalent temperature	Pdh	12.2	kW	Tj = bivalent temperature	COPd	2.05	-
Tj = operating limit	Pdh	11.7	kW	Tj = operating limit	COPd	1.74	-
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than ac	tive mode			Supplementary heater			
Off mode	Poff	0.009	kW	Balad had a 4 /#*			
Standby mode	Psb	0.009	kW	Rated heat output (**)	Psup	2.1	kW
Thermostat-off mode	Pto	0.026	kW	Type of energy input			
Crankcase heater mode	Pck	0.000	kW	Type of energy input	Ele	ctrical Heating	}
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m <sup>3</sup> /r
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	_	-	m <sup>3</sup> /ł
Annual energy consumption	Q <sub>HE</sub>	8724	kWh	heat exchanger			
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)			

<sup>(\*)</sup> 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.

		Tech	nical	parameters				
Model(s):				MHC-V14W/D2N8				
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 heate	r:			NO				
Heat pump combination heater:				NO				
Declared climate condition:				COLDER				
Parameters are declared for medium-	temperature	application	-					
Item	Symbol	Value	Unit	Item	Symbol	Value	Ur	
Rated heat output (*)	Prated	14.3	kW	Seasonal space heating energy efficiency	ηs	102	%	
Declared capacity for heating for part load a and outdoor temperature Tj				Declared coefficient of performance or prim indoor temperature 20 °C and outdoor te	ary energy ra	itio for part lo		
Tj = -7℃	Pdh	8.9	kW	Tj = -7℃	COPd	2.35	-	
Tj = 2 °C	Pdh	5.3	kW	Tj = 2 ℃	COPd	3.16	-	
Tj = 7 °C	Pdh	3.3	kW	Tj = 7 ℃	COPd	4.10	-	
Tj = 12℃	Pdh	1.4	kW	Tj = 12°C	COPd	3.20	-	
Tj = bivalent temperature	Pdh	11.3	kW	Tj = bivalent temperature	COPd	1.85	-	
Tj = operating limit	Pdh	7.7	kW	Tj = operating limit	COPd	1.26	-	
For air-to-water heat pumps: Tj = -15℃	Pdh	10.8	kW	For air-to-water heat pumps: Tj = -15℃	COPd	1.77	-	
Bivalent temperature	Tbiv	-14	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	44	°C	
Power consumption in modes other than ac	tive mode			Supplementary heater				
Off mode	Poff	0.009	kW	Rated heat output (**)	Psup	8.7	kV	
Standby mode	Psb	0.009	kW	rated field output ( )	1 sup	6.7	KV	
Thermostat-off mode	Pto	0.026	kW	Type of energy input	Fle	ctrical Heating	a	
Crankcase heater mode	Pck	0.000	kW		Lie		9	
Other items								
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m <sup>3</sup> /l	
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /	
Annual energy consumption	Q <sub>HE</sub>	13449	kWh	heat exchanger				
For heat pump combination heater:								
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%	
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW	
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G.	
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)				

<sup>(\*)</sup> 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.

		Tech	nical	parameters					
Model(s):				MHC-V14W/D2N8					
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 heate	r:			NO					
Heat pump combination heater:				NO					
Declared climate condition:				WARMER					
Parameters are declared for medium-	temperature	application							
W	O make at	Value	Unit	Hom	Symbol	Value			
Item	Symbol	Value	kW	Item	,		Un %		
Rated heat output (*)  Declared capacity for heating for part load a and outdoor temperature Tj	Prated at indoor temp	13.9 perature 20 °C		Seasonal space heating energy efficiency  Declared coefficient of performance or prim indoor temperature 20 °C and outdoor te					
Tj = -7℃	Pdh	-	kW	Tj = -7°C	COPd		-		
Tj = 2℃	Pdh	13.8	kW	Tj = 2℃	COPd	2.17	-		
Tj = 7℃	Pdh	9.0	kW	Tj = 7°C	COPd	3.18	-		
Tj = 12°C	Pdh	4.2	kW	Tj = 12°C	COPd	5.26	-		
Tj = bivalent temperature	Pdh	9.0	kW	Tj = bivalent temperature	COPd	3.18	-		
Tj = operating limit	Pdh	13.8	kW	Tj = operating limit	COPd	2.17	-		
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C	COPd	-	-		
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C		
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-		
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes other than ac	tive mode			Supplementary heater					
Off mode	Poff	0.009	kW	Poted heat output (**)	D	0.4	Ī.,,		
Standby mode	Psb	0.009	kW	Rated heat output (**)	Psup	0.1	kV		
Thermostat-off mode	Pto	0.026	kW	Type of energy input	F1-	-1			
Crankcase heater mode	Pck	0.000	kW	Type of chargy input	Ele	ctrical Heating			
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m <sup>3</sup> /h		
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /		
Annual energy consumption	Q <sub>HE</sub>	4746	kWh	heat exchanger					
For heat pump combination heater:									
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%		
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G		
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)					

<sup>(\*)</sup> 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.

Model(s):				MHC-V16W/D2N8					
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	er:			NO					
Heat pump combination heater:				NO					
Declared climate condition:				AVERAGE					
Parameters are declared for medium-	temperature	application	l.						
		V 1	11-2	11	Complete al	Malara			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)  Declared capacity for heating for part load and outdoor temperature Ti	Prated at indoor temp	14.6 perature 20 °C	kW	Seasonal space heating energy efficiency  Declared coefficient of performance or prim indoor temperature 20 °C and outdoor temperature 20 °C.			ad at		
Tj = -7℃	Pdh	12.9	kW	Tj = -7°C	COPd	2.04	_		
Tj = 2°C	Pdh	8.3	kW	Tj = 2℃	COPd	3.21	-		
Tj = 7°C	Pdh	5.5	kW	Tj = 7°C	COPd	4.32	-		
Tj = 12 °C	Pdh	2.6	kW	Tj = 12℃	COPd	5.12	-		
Tj = bivalent temperature	Pdh	12.9	kW	Tj = bivalent temperature	COPd	2.04	-		
Tj = operating limit	Pdh	11.2	kW	Tj = operating limit	COPd	1.65	-		
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C	COPd	-	-		
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C		
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-		
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes other than a	ctive mode			Supplementary heater					
Off mode	Poff	0.009	kW						
Standby mode	Psb	0.009	kW	Rated heat output (**)	Psup	3.4	kW		
Thermostat-off mode	Pto	0.041	kW	Type of energy input					
Crankcase heater mode	Pck	0.000	kW	Type of energy input	Ele	ctrical Heating	g 		
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m <sup>3</sup> /h		
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /h		
Annual energy consumption	Q <sub>HE</sub>	9216	kWh	heat exchanger					
For heat pump combination heater:									
Declared load profile		_		Water heating energy efficiency	η <sub>wh</sub>	-	%		
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
	1		***						

<sup>(\*)</sup> 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.

		Tech	nical	parameters							
Model(s):				MHC-V16W/D2N8							
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 heate	r:			NO							
Heat pump combination heater:				NO							
Declared climate condition:				COLDER							
Parameters are declared for medium-	temperature	application									
Item	Symbol	Value	Unit	Item	Symbol	Value	Un				
Rated heat output (*)	Prated	15.2	kW	Seasonal space heating energy efficiency	ηs	106	%				
Declared capacity for heating for part load and outdoor temperature Tj		perature 20 °C		atio for part lo	ad at						
Tj = -7℃	Pdh	9.6	kW	Tj = -7 °C	COPd	2.38	-				
Tj = 2 °C	Pdh	5.6	kW	Tj = 2℃	COPd	3.31	-				
Tj = 7 °C	Pdh	4.0	kW	Tj = 7 ℃	COPd	4.47	-				
Tj = 12 °C	Pdh	1.9	kW	Tj = 12°C	COPd	4.05	-				
Tj = bivalent temperature	Pdh	11.6	kW	Tj = bivalent temperature	COPd	1.88	-				
Tj = operating limit	Pdh	6.7	kW	Tj = operating limit	COPd	1.10	-				
For air-to-water heat pumps: Tj = -15 °C	Pdh	10.7	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	1.76	-				
Bivalent temperature	Tbiv	-13	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C				
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	44	°C				
Power consumption in modes other than ac	tive mode			Supplementary heater							
Off mode	Poff	0.009	kW	Rated heat output (**)	Psup	9.6	kW				
Standby mode	Psb	0.009	kW	rated near output ( )	1 sup	9.0	KVV				
Thermostat-off mode	Pto	0.041	kW	Type of energy input	Elo	ctrical Heating	a				
Crankcase heater mode	Pck	0.000	kW	,, ,,	Lie	- Curcai i reauri	9				
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m <sup>3</sup> /ł				
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m <sup>3</sup> /l				
Annual energy consumption	Q <sub>HE</sub>	13768	kWh	neat exchanger							
For heat pump combination heater:											
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%				
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW				
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G.				
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)							

<sup>(\*)</sup> 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.

		Tech	nical	parameters							
Model(s):				MHC-V16W/D2N8							
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 heate	r:			NO							
Heat pump combination heater:				NO							
Declared climate condition:				WARMER							
Parameters are declared for medium-	temperature	application									
Item	Symbol	Value	Unit	Item	Symbol	Value	Un				
Rated heat output (*)	Prated	15.7	kW	Seasonal space heating energy efficiency	ηs	154	%				
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor tem	perature 20 °C	;	Declared coefficient of performance or primindoor temperature 20 °C and outdoor te	ary energy ra		ad at				
Tj = -7°C	Pdh	-	kW	Tj = -7℃	COPd	-	-				
Tj = 2 °C	Pdh	14.1	kW	Tj = 2°C	COPd	2.14	-				
Tj = 7 °C	Pdh	10.1	kW	Tj = 7°C	COPd	3.22	-				
Tj = 12℃	Pdh	4.8	kW	Tj = 12°C	COPd	5.46	-				
Tj = bivalent temperature	Pdh	10.1	kW	Tj = bivalent temperature	COPd	3.22	-				
Tj = operating limit	Pdh	14.1	kW	Tj = operating limit	COPd	2.14	-				
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C	COPd	-	-				
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C				
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C				
Power consumption in modes other than ac	tive mode			Supplementary heater							
Off mode	Poff	0.009	kW	Balada barda da da (##)							
Standby mode	Psb	0.009	kW	Rated heat output (**)	Psup	1.6	kW				
Thermostat-off mode	Pto	0.041	kW	Type of energy input							
Crankcase heater mode	Pck	0.000	kW	Type of chargy input	Ele	ctrical Heating	g 				
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m <sup>3</sup> /l				
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /l				
Annual energy consumption	Q <sub>HE</sub>	5367	kWh	heat exchanger							
For heat pump combination heater:											
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%				
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW				
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G				
Contact details				juipment Co. Ltd Inde, Foshan, Guangdong, P.R China)							

<sup>(\*)</sup> 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.

Model(s):				MHC-V12W/D2RN8					
Air-to-water heat pump:				YES					
Water-to-water heat pump:				NO NO					
Brine-to-water heat pump:				NO					
Low-temperature heat pump:				NO					
Equipped with a supplementary heate	er:			NO					
Heat pump combination heater:				NO					
Declared climate condition:				AVERAGE					
Parameters are declared for medium	-temperature	application	l.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	12.8	kW	Seasonal space heating energy efficiency	ηs	126	%		
Declared capacity for heating for part load				Declared coefficient of performance or prim			, ,		
and outdoor temperature Tj				indoor temperature 20 °C and outdoor temperature					
Tj = -7°C	Pdh	11.3	kW	Tj = -7°C	COPd	2.05	-		
Tj = 2℃	Pdh	7.3	kW	Tj = 2℃	COPd	3.14	-		
<b>Tj = 7</b> ℃	Pdh	5.0	kW	Tj = <b>7</b> °C	COPd	4.25	-		
Tj = 12°C	Pdh	2.4	kW	Tj = 12℃	COPd	4.94	-		
Tj = bivalent temperature	Pdh	11.3	kW	Tj = bivalent temperature	COPd	2.05	-		
Tj = operating limit	Pdh	11.9	kW	Tj = operating limit	COPd	1.79	-		
For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	-		
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C		
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-		
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes other than a	ctive mode			Supplementary heater					
Off mode	Poff	0.009	kW	Detect head autout (**)					
Standby mode	Psb	0.009	kW	Rated heat output (**)	Psup	0.9	kW		
Thermostat-off mode	Pto	0.015	kW	Type of energy input					
Crankcase heater mode	Pck	0.000	kW	Type or energy input	Elec	ctrical Heatin	.g 		
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m³/h		
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/68	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /h		
Annual energy consumption	Q <sub>HE</sub>	8164	kWh	heat exchanger					
For heat pump combination heater:									
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%		
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWh		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)					

		Tech	nical	parameters							
Model(s):				MHC-V12W/D2RN8							
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 heate	r:			NO							
Heat pump combination heater:				NO							
Declared climate condition:				COLDER							
Parameters are declared for medium-	temperature	application									
Item	Symbol	Value	Unit	Item	Symbol	Value	Uni				
Rated heat output (*)	Prated	12.4	kW	Seasonal space heating energy efficiency	ηs	96	%				
Declared capacity for heating for part load a and outdoor temperature Tj		perature 20 °C	;	Declared coefficient of performance or primindoor temperature 20 °C and outdoor te	ary energy ra	itio for part loa	ad at				
Tj = -7℃	Pdh	7.3	kW	Tj = -7°C	COPd	2.27	-				
Tj = 2℃	Pdh	4.5	kW	Tj = 2℃	COPd	2.90	-				
Tj = 7 °C	Pdh	2.9	kW	Tj = 7 °C	COPd	3.96	-				
Tj = 12℃	Pdh	1.4	kW	Tj = 12°C	COPd	3.22	-				
Tj = bivalent temperature	Pdh	10.1	kW	Tj = bivalent temperature	COPd	1.78	-				
Tj = operating limit	Pdh	7.7	kW	Tj = operating limit	COPd	1.27	-				
For air-to-water heat pumps: Tj = -15℃	Pdh	10.1	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	1.78	-				
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C				
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	44	°C				
Power consumption in modes other than ac	tive mode			Supplementary heater							
Off mode	Poff	0.009	kW	Rated heat output (**)	Psup	6.8	kW				
Standby mode	Psb	0.009	kW	Nated Heat Output ( )	1 Sup	0.8	KVV				
Thermostat-off mode	Pto	0.015	kW	Type of energy input	Fle	ctrical Heating	a				
Crankcase heater mode	Pck	0.000	kW	,, o, ,	Lie	- Ciricai i leatinț	9				
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m <sup>3</sup> /r				
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/68	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /ł				
Annual energy consumption	Q <sub>HE</sub>	12299	kWh	heat exchanger							
For heat pump combination heater:											
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%				
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW				
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ				
Contact details				uipment Co. Ltd							

<sup>(\*)</sup> 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.

		Tech	nical	parameters					
Model(s):				MHC-V12W/D2RN8					
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 heate	r:			NO					
Heat pump combination heater:				NO					
Declared climate condition:				WARMER					
Parameters are declared for medium-	temperature	application							
Item	Symbol	Value	Unit	Item	Symbol	Value	Uni		
Rated heat output (*)	Prated	11.8	kW	Seasonal space heating energy efficiency	ηs	148	%		
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor tem	perature 20 °C	;	Declared coefficient of performance or prim indoor temperature 20 °C and outdoor te	ary energy ra		ad at		
Tj = -7°C	Pdh	-	kW	Tj = -7 °C	COPd	-	-		
Tj = 2 °C	Pdh	11.9	kW	Tj = 2℃	COPd	2.18	-		
Tj = 7 °C	Pdh	7.6	kW	Tj = 7℃	COPd	3.08	-		
Tj = 12℃	Pdh	3.5	kW	Tj = 12°C	COPd	4.94	-		
Tj = bivalent temperature	Pdh	7.6	kW	Tj = bivalent temperature	COPd	3.08	-		
Tj = operating limit	Pdh	11.9	kW	Tj = operating limit	COPd	2.18	-		
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C	COPd	-	-		
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C		
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-		
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C		
Power consumption in modes other than ac	tive mode			Supplementary heater					
Off mode	Poff	0.009	kW	Pated heat output (**)	Psup	0.0			
Standby mode	Psb	0.009	kW	Rated heat output (**)	Psup	0.0	kW		
Thermostat-off mode	Pto	0.015	kW	Type of energy input	F1-	-4			
Crankcase heater mode	Pck	0.000	kW	Type of chorgy input	Ele	ctrical Heating	3		
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m <sup>3</sup> /h		
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/68	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /l		
Annual energy consumption	Q <sub>HE</sub>	4207	kWh	heat exchanger					
For heat pump combination heater:									
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%		
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G.		
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)					

<sup>(\*)</sup> 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.

		Tech	nical	parameters							
Model(s):				MHC-V14W/D2RN8							
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 heate	r:			NO							
Heat pump combination heater:				NO							
Declared climate condition:				AVERAGE							
Parameters are declared for medium-	temperature	application									
Item	Symbol	Value	Unit	Item	Symbol	Value	Ur				
Rated heat output (*)	Prated	13.8	kW	Seasonal space heating energy efficiency	ηs	128	%				
Declared capacity for heating for part load a and outdoor temperature Tj				itio for part lo							
Tj = -7℃	Pdh	12.2	kW	Tj = -7℃	COPd	2.05	-				
Tj = 2 °C	Pdh	7.8	kW	Tj = 2°C	COPd	3.18	-				
Tj = 7 °C	Pdh	5.2	kW	Tj = 7 ℃	COPd	4.29	-				
Tj = 12 °C	Pdh	2.6	kW	Tj = 12℃	COPd	5.14	-				
Tj = bivalent temperature	Pdh	12.2	kW	Tj = bivalent temperature	COPd	2.05	-				
Tj = operating limit	Pdh	11.7	kW	Tj = operating limit	COPd	1.74	-				
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	-				
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C				
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C				
Power consumption in modes other than ac	tive mode			Supplementary heater							
Off mode	Poff	0.009	kW	Rated heat output (**)	Psup	2.1	kV				
Standby mode	Psb	0.009	kW	rated fleat edipat ( )	1 Sup	2.1	L V				
Thermostat-off mode	Pto	0.026	kW	Type of energy input	Fle	ctrical Heating	n				
Crankcase heater mode	Pck	0.000	kW		Lio		9				
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m <sup>3</sup> /				
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /				
Annual energy consumption	Q <sub>HE</sub>	8724	kWh	heat exchanger							
For heat pump combination heater:											
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	9/				
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kV				
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G				
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)							

<sup>(\*)</sup> 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.

		Tech	nical	parameters							
Model(s):				MHC-V14W/D2RN8							
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 heate	r:			NO							
Heat pump combination heater:				NO							
Declared climate condition:				COLDER							
Parameters are declared for medium-	temperature	application									
Item	Symbol	Value	Unit	Item	Symbol	Value	Un				
Rated heat output (*)	Prated	14.3	kW	Seasonal space heating energy efficiency		102	%				
Declared capacity for heating for part load a and outdoor temperature Tj			ηs ary energy ra mperature Tj	itio for part lo							
Tj = -7℃	Pdh	8.9	kW	Tj = -7℃	COPd	2.35	-				
Tj = 2 °C	Pdh	5.3	kW	Tj = 2℃	COPd	3.16	-				
Tj = 7 °C	Pdh	3.3	kW	Tj = 7℃	COPd	4.10	-				
Tj = 12℃	Pdh	1.4	kW	Tj = 12°C	COPd	3.20	-				
Tj = bivalent temperature	Pdh	11.3	kW	Tj = bivalent temperature	COPd	1.85	-				
Tj = operating limit	Pdh	7.7	kW	Tj = operating limit	COPd	1.26	-				
For air-to-water heat pumps: Tj = -15 °C	Pdh	10.8	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	1.77	-				
Bivalent temperature	Tbiv	-14	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C				
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	44	°C				
Power consumption in modes other than ac	tive mode			Supplementary heater							
Off mode	Poff	0.009	kW	Rated heat output (**)	Psup	8.7	kν				
Standby mode	Psb	0.009	kW	rated heat sulput ( )	1 sup	0.7	KVV				
Thermostat-off mode	Pto	0.026	kW	Type of energy input	Elec	ctrical Heating	a				
Crankcase heater mode	Pck	0.000	kW	,, ,,	Lie		9				
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m <sup>3</sup> /l				
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /				
Annual energy consumption	Q <sub>HE</sub>	13449	kWh	heat exchanger							
For heat pump combination heater:											
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%				
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW				
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G				
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)							

<sup>(\*)</sup> 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.

Model(s):				MHC-V14W/D2RN8								
Air-to-water heat pump:				YES								
Water-to-water heat pump:			NO NO									
Brine-to-water heat pump:			NO									
Low-temperature heat pump:			NO									
Equipped with a supplementary heater	er:			NO								
Heat pump combination heater:				NO								
Declared climate condition:				WARMER								
Parameters are declared for medium-	temperature	application	) <u>.</u>									
Item	Symbol	Value	Unit	Item	Symbol	Value	Uni					
Rated heat output (*)	Prated	13.9	kW	Seasonal space heating energy efficiency	ηs	154	%					
Declared capacity for heating for part load and outdoor temperature Tj	at indoor temp	perature 20 °C		Declared coefficient of performance or primindoor temperature 20 °C and outdoor 20 °			ad at					
Tj = -7℃	Pdh	-	kW	Tj = -7 ℃	COPd	-	-					
Tj = 2 °C	Pdh	13.8	kW	Tj = 2℃	COPd	2.17	-					
Tj = 7 °C	Pdh	9.0	kW	Tj = 7 ℃	COPd	3.18	-					
Tj = 12˚C	Pdh	4.2	kW	Tj = 12°C	COPd	5.26	-					
Tj = bivalent temperature	Pdh	9.0	kW	Tj = bivalent temperature	COPd	3.18	-					
Tj = operating limit	Pdh	13.8	kW	Tj = operating limit	COPd	2.17	-					
For air-to-water heat pumps: Tj = -15 C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	-					
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C					
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-					
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C					
Power consumption in modes other than a	ctive mode			Supplementary heater								
Off mode	Poff	0.009	kW	Dated heat output (**)		0.4						
Standby mode	Psb	0.009	kW	Rated heat output (**)	Psup	0.1	kW					
Thermostat-off mode	Pto	0.026	kW	Type of energy input	Els.	-4-:						
Crankcase heater mode	Pck	0.000	kW	Type of energy input	Elec	ctrical Heatin	g 					
Other items												
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m <sup>3</sup> /l					
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /					
Annual energy consumption	Q <sub>HE</sub>	4746	kWh	heat exchanger								
For heat pump combination heater:												
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%					
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW					
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G.					
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)								

Model(s):				MHC-V16W/D2RN8						
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	er:			NO						
Heat pump combination heater:				NO						
Declared climate condition:				AVERAGE						
Parameters are declared for medium-	temperature	application	١.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	14.6	kW	Seasonal space heating energy efficiency	ηѕ	128	%			
Declared capacity for heating for part load and outdoor temperature Tj	at indoor tem	perature 20 °C		Declared coefficient of performance or prim indoor temperature 20 °C and outdoor te			ad at			
Tj = -7℃	Pdh	12.9	kW	Tj = -7 ℃	COPd	2.04	-			
Tj = 2 °C	Pdh	8.3	kW	Tj = 2℃	COPd	3.21	-			
Tj = 7 °C	Pdh	5.5	kW	Tj = 7 ℃	COPd	4.32	-			
Tj = 12℃	Pdh	2.6	kW	Tj = 12 °C	COPd	5.12	-			
Tj = bivalent temperature	Pdh	12.9	kW	Tj = bivalent temperature	COPd	2.04	-			
Tj = operating limit	Pdh	11.2	kW	Tj = operating limit	COPd	1.65	-			
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 C	COPd	-	-			
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C			
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-			
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C			
Power consumption in modes other than a	ctive mode			Supplementary heater						
Off mode	Poff	0.009	kW	Rated heat output (**)	Psup	0.4				
Standby mode	Psb	0.009	kW	Nated Heat Output ( )	r sup	3.4	kW			
Thermostat-off mode	Pto	0.041	kW	Type of energy input	ГІо	atriaal Haatin	~			
Crankcase heater mode	Pck	0.000	kW	Type of chorgy input	Ele	ctrical Heatin	g 			
Other items										
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m <sup>3</sup> /h			
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /h			
Annual energy consumption	Q <sub>HE</sub>	9216	kWh	heat exchanger						
For heat pump combination heater:										
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%			
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW			
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ			
	OD Midee I			uipment Co. Ltd						

<sup>(\*)</sup> 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.

		Tech	nical	parameters							
Model(s):				MHC-V16W/D2RN8							
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 heate	r:			NO							
Heat pump combination heater:				NO							
Declared climate condition:				COLDER							
Parameters are declared for medium-	temperature	application									
Item	Symbol	Value	Unit	Item	Symbol	Value	Un				
Rated heat output (*)	Prated	15.2	kW	Seasonal space heating energy efficiency	ηs	106	%				
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor temp	perature 20 °C	;	Declared coefficient of performance or primindoor temperature 20 °C and outdoor te			ad at				
Tj = -7℃	Pdh	9.6	kW	Tj = -7 °C	COPd	2.38	-				
Tj = 2 °C	Pdh	5.6	kW	Tj = 2 ℃	COPd	3.31	-				
Tj = 7 °C	Pdh	4.0	kW	Tj = 7 ℃	COPd	4.47	-				
Tj = 12 °C	Pdh	1.9	kW	Tj = 12°C	COPd	4.05	-				
Tj = bivalent temperature	Pdh	11.6	kW	Tj = bivalent temperature	COPd	1.88	-				
Tj = operating limit	Pdh	6.7	kW	Tj = operating limit	COPd	1.10	-				
For air-to-water heat pumps: Tj = -15 °C	Pdh	10.7	kW	For air-to-water heat pumps: Tj = -15°C	COPd	1.76	-				
Bivalent temperature	Tbiv	-13	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-18	°C				
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	44	°C				
Power consumption in modes other than ac	tive mode			Supplementary heater							
Off mode	Poff	0.009	kW	Rated heat output (**)	Psup	0.6	14/4				
Standby mode	Psb	0.009	kW	Nated Heat Output ( )	r sup	9.6	kW				
Thermostat-off mode	Pto	0.041	kW	Type of energy input	Flo	otrical Heating	~				
Crankcase heater mode	Pck	0.000	kW	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Lie	ctrical Heating	<u> </u>				
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m <sup>3</sup> /l				
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /l				
Annual energy consumption	Q <sub>HE</sub>	13768	kWh	heat exchanger							
For heat pump combination heater:											
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%				
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kW				
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G				
Contact details				uipment Co. Ltd nde, Foshan, Guangdong, P.R China)							

<sup>(\*)</sup> 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.

				parameters						
Model(s):		MHC-V16W/D2RN8								
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	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	15.7	kW	Seasonal space heating energy efficiency	ηs	154	%			
Declared capacity for heating for part load at indoor temperature 20 and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj						
Tj = -7℃	Pdh	-	kW	Tj = -7°C	COPd	-	-			
Tj = 2°C	Pdh	14.1	kW	Tj = 2℃	COPd	2.14	-			
Tj = 7 °C	Pdh	10.1	kW	Tj = 7 ℃	COPd	3.22	-			
Tj = 12°C	Pdh	4.8	kW	Tj = 12°C	COPd	5.46	-			
Tj = bivalent temperature	Pdh	10.1	kW	Tj = bivalent temperature	COPd	3.22	-			
Tj = operating limit	Pdh	14.1	kW	Tj = operating limit	COPd	2.14	-			
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	-	-			
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C			
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-			
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	°C			
Power consumption in modes other than ac	tive mode			Supplementary heater						
Off mode	Poff	0.009	kW	Rated heat output (**)	Psup	1.6	kW			
Standby mode	Psb	0.009	kW	Nated Heat Output ( )	i sup					
Thermostat-off mode	Pto	0.041	kW	Type of energy input	Electrical Heating					
Crankcase heater mode	Pck	0.000	kW	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
Other items										
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6150	m³/h			
Sound power level, indoors/outdoors	L <sub>WA</sub>	-/71	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m <sup>3</sup> /h			
Annual energy consumption	Q <sub>HE</sub>	5367	kWh	heat exchanger						
For heat pump combination heater:										
Declared load profile		-		Water heating energy efficiency	η <sub>wh</sub>	-	%			
Daily electricity consumption	Q <sub>clec</sub>	-	kWh	Daily fuel consumption	Q <sub>fuel</sub>	-	kWl			
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ			
Contact details	GD Midea I	Heating & Ven	tilating Eq	uipment Co. Ltd						

<sup>(\*)</sup> 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/D2N8							
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 <sub>rated,c</sub>	4.9	kW	Seasonal space cooling energy efficiency	η <sub>s,c</sub>	186	%			
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 <sub>dc</sub>	4.9	kW	Tj=+35°C	EERd	3.01	-			
Tj=+30°C	P <sub>dc</sub>	3.6	kW	Tj=+30°C	EERd	4.36	-			
Tj=+25°C	P <sub>dc</sub>	2.2	kW	Tj=+25°C	EERd	5.61	-			
Tj=+20°C	P <sub>dc</sub>	1.0	kW	Tj=+20°C	EERd	5.14	-			
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-							
		Power cons	umption in mo	des other than "active	mode"					
Off mode	P <sub>OFF</sub>	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	Рто	0.004	kW	Standby mode	P <sub>SB</sub>	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:	-	3050	m³/h			
Sound power level, indoors / outdoors	Lwa	-/61	dB	air flow rate, outdoor measured						
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or	- -	-	m³/h			
GWP of the refrigerant		675	kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger						
Standard rating conditions used  Low tempera			ature application							
			eating & Ventilating Equipment Co. , Ltd. stry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China							
(*) If Cdc is not de (**) From 26 Septe		measurement t	hen the defaul	t degradation coefficie	nt of chillers sh	nall be 0,9.				

Model(s):			MHC-V5W/D	2N8					
Outdoor side heat e	exchanger of c	hiller:	Air to water  Water  Compressor driven vapour compression						
Indoor side heat exc	changer chille	r:							
Туре:									
Driver of compresso	or:		Electric motor						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated cooling capacity	P <sub>rated,c</sub>	4.6	kW	Seasonal space cooling energy efficiency	η <sub>s,c</sub>	301	%		
Declared cooling contemperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy ef outdoor temperatur		or part load at	given		
Tj=+35°C	P <sub>dc</sub>	4.6	kW	Tj=+35°C	EERd	4.97	-		
Tj=+30°C	P <sub>dc</sub>	3.4	kW	Tj=+30°C	EERd	6.96	-		
Tj=+25°C	P <sub>dc</sub>	2.2	kW	Tj=+25°C	EERd	9.40	-		
Tj=+20°C	P <sub>dc</sub>	1.1	kW	Tj=+20°C	EERd	8.50	-		
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-						
		Power cons	umption in mo	des other than "active	mode"				
Off mode	P <sub>OFF</sub>	0.009	kW	Crankcase heater mode	Рск	0.000	kW		
Thermosat-off mode	P <sub>TO</sub>	0.004	kW	Standby mode	P <sub>SB</sub>	0.009	kW		
			Othe	r items					
Capacity control		variable		For air-to-water comfort chillers:		0050	3.0		
Sound power level, indoors / outdoors	Lwa	-/61	dB	air flow rate, outdoor measured	-	3050	m <sup>3</sup> /h		
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m³/h		
			kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger			111-711		
Standard rating conditions used Medium ten			perature applic	cation					
Contact details			leating & Ventilating Equipment Co. , Ltd. ıstry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						
(*) If Cdc is not de (**) From 26 Septe		measurement t	hen the defaul	t degradation coefficier	nt of chillers sh	nall be 0,9.			

Model(s):			MHC-V7W/D	MHC-V7W/D2N8						
Outdoor side heat e	exchanger of o	hiller:	Air to water							
Indoor side heat exc	changer chille	r:	Water							
Type:			Compressor driven vapour compression							
Driver of compresso	or:		Electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	6.2	kW	Seasonal space cooling energy efficiency	η <sub>s,c</sub>	196	%			
Declared cooling contemperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy efficiency ratio for part load at given outdoor temperature Tj						
Tj=+35°C	P <sub>dc</sub>	6.2	kW	Tj=+35°C	EERd	2.78	-			
Tj=+30°C	P <sub>dc</sub>	4.7	kW	Tj=+30°C	EERd	4.21	-			
Tj=+25°C	P <sub>dc</sub>	3.0	kW	Tj=+25°C	EERd	6.10	-			
Tj=+20°C	P <sub>dc</sub>	1.4	kW	Tj=+20°C	EERd	6.65	-			
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-							
		Power cons	sumption in mo	des other than "active r	node"					
Off mode	Poff	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	P <sub>TO</sub>	0.002	kW	Standby mode	P <sub>SB</sub>	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0050	. 3/1			
Sound power level, indoors / outdoors	L <sub>WA</sub>	-/64	dB	air flow rate, outdoor measured	-	3050	m <sup>3</sup> /h			
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m³/h			
			kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger	-		111 /11			
Standard rating con	nditions used	Low tempera	ature applicatio	n						
Contact details			Heating & Ventilating Equipment Co. , Ltd. ustry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China							
(*) If Cdc is not de (**) From 26 Sept		neasurement t	then the defaul	t degradation coefficien	t of chillers sh	nall be 0,9.				

Model(s):			MHC-V7W/D	MHC-V7W/D2N8						
Outdoor side heat e	exchanger of o	hiller:	Air to water	Air to water						
Indoor side heat exc	changer chille	r:	Water							
Туре:			Compressor driven vapour compression							
Driver of compresso	or:		Electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	6.4	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	340	%			
Declared cooling contemperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy efficiency ratio for part load at given outdoor temperature Tj						
Tj=+35°C	P <sub>dc</sub>	6.4	kW	Tj=+35°C	EERd	4.72	-			
Tj=+30°C	P <sub>dc</sub>	4.9	kW	Tj=+30°C	EERd	6.80	-			
Tj=+25°C	P <sub>dc</sub>	3.1	kW	Tj=+25°C	EERd	10.70	-			
Tj=+20°C	P <sub>dc</sub>	1.6	kW	Tj=+20°C	EERd	12.16	-			
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-							
		Power cons	sumption in mo	des other than "active r	mode"					
Off mode	P <sub>OFF</sub>	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	P <sub>TO</sub>	0.002	kW	Standby mode	P <sub>SB</sub>	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0050	3.0			
Sound power level, indoors / outdoors	Lwa	-/64	dB	air flow rate, outdoor measured	-	3050	m <sup>3</sup> /h			
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m³/h			
			kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger	_		111 /11			
Standard rating con	ditions used	Medium tem	perature applic	cation						
Contact details			Heating & Ventilating Equipment Co. , Ltd. ustry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China							
(*) If Cdc is not de (**) From 26 Sept		measurement t	then the defaul	t degradation coefficien	it of chillers sh	nall be 0,9.				

Model(s):			MHC-V9W/D	)2N	8				
Outdoor side heat e	exchanger of c	hiller:	Air to water						
Indoor side heat ex	changer chille	r:	Water						
Type:			Compressor driven vapour compression						
Driver of compresso	or:		Electric moto	Electric motor					
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated cooling capacity	P <sub>rated,c</sub>	7.9	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	194	%	
Declared cooling c temperature Tj	apacity for pa	rt load at giver	n outdoor		Declared energy eff outdoor temperature		or part load at	given	
Tj=+35°C	P <sub>dc</sub>	7.9	kW		Tj=+35°C	EERd	2.39	-	
Tj=+30°C	P <sub>dc</sub>	5.9	kW		Tj=+30°C	EERd	3.86	-	
Tj=+25°C	P <sub>dc</sub>	3.9	kW		Tj=+25°C	EERd	5.95	-	
Tj=+20°C	P <sub>dc</sub>	1.7	kW		Tj=+20°C	EERd	7.47	-	
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-						
		Power cons	umption in mo	des	other than "active r	mode"			
Off mode	Poff	0.009	kW		Crankcase heater mode	Рск	0.000	kW	
Thermosat-off mode	P <sub>TO</sub>	0.003	kW		Standby mode	P <sub>SB</sub>	0.009	kW	
			Othe	er ite	ems				
Capacity control		variable			For air-to-water comfort chillers:		2050	m³/h	
Sound power level, indoors / outdoors					air flow rate, outdoor measured	-	3050	myn	
Emissions of nitroger oxides (if applicable)	Emissions of nitroger				For water / brine-to-water chillers: Rated brine or	_	_	m³/h	
GWP of the refrigerant - 675			kg CO <sub>2 eq</sub> (100years)		water flow rate, outdoor side heat exchanger	•			
Standard rating cor	nditions used	Low tempera	ature applicatio	on					
Contact details					ng Equipment Co. , I , Shunde, Foshan, (		28311 P.R. Ch	nina	
(*) If Cdc is not de (**) From 26 Sept		measurement t	then the defaul	lt de	egradation coefficien	nt of chillers sh	nall be 0,9.		

Model(s):			MHC-V9W/D2N8							
Outdoor side heat e	exchanger of c	hiller:	Air to water							
Indoor side heat exc	changer chille	r:	Water  Compressor driven vapour compression							
Туре:										
Driver of compresso	or:		Electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	7.9	kW	Seasonal space cooling energy efficiency	η <sub>s,c</sub>	312	%			
Declared cooling cooling temperature Tj	apacity for pa	rt load at giver	outdoor	Declared energy et outdoor temperatur		or part load at	given			
Tj=+35°C	P <sub>dc</sub>	7.9	kW	Tj=+35°C	EERd	4.17	-			
Tj=+30°C	P <sub>dc</sub>	6.1	kW	Tj=+30°C	EERd	6.14	-			
Tj=+25°C	P <sub>dc</sub>	3.8	kW	Tj=+25°C	EERd	9.80	-			
Tj=+20°C	P <sub>dc</sub>	2.0	kW	Tj=+20°C	EERd	11.53	-			
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-							
		Power cons	umption in mo	des other than "active	mode"					
Off mode	P <sub>OFF</sub>	0.009	kW	Crankcase heater mode	Pck	0.000	kW			
Thermosat-off mode	Рто	0.003	kW	Standby mode	P <sub>SB</sub>	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0050	2.0			
Sound power level, indoors / outdoors	Lwa	-/67	dB	air flow rate, outdoor measured	-	3050	m <sup>3</sup> /h			
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m³/h			
			kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger		-	111-/11			
Standard rating conditions used Medium ten			perature applic	cation						
Contact details			leating & Ventilating Equipment Co. , Ltd. ıstry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China							
(*) If Cdc is not de (**) From 26 Septe		measurement t	hen the defaul	t degradation coefficie	nt of chillers sh	nall be 0,9.				

Model(s):			MHC-V12W/	D2N8						
Outdoor side heat e	exchanger of o	hiller:	Air to water	Air to water						
Indoor side heat exc	changer chille	r:	Water							
Type:			Compressor driven vapour compression							
Driver of compresso	or:		Electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	11.3	kW	Seasonal space cooling energy efficiency	η <sub>s,c</sub>	191	%			
Declared cooling catemperature Tj	apacity for pa	rt load at giver	n outdoor							
Tj=+35°C	P <sub>dc</sub>	11.3	kW	Tj=+35°C	EERd	2.90	-			
Tj=+30°C	P <sub>dc</sub>	8.1	kW	Tj=+30°C	EER₀	4.05	-			
Tj=+25°C	P <sub>dc</sub>	5.2	kW	Tj=+25°C	EERd	5.42	-			
Tj=+20°C	P <sub>dc</sub>	2.5	kW	Tj=+20°C	EERd	6.73	-			
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-							
		Power cons	sumption in mo	des other than "active n	node"					
Off mode	Poff	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	P <sub>TO</sub>	0.012	kW	Standby mode	P <sub>SB</sub>	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0450	. 3/1.			
Sound power level, indoors / outdoors	Lwa	-/68	dB	air flow rate, outdoor measured	-	6150	m³/h			
Emissions of nitroger oxides (if applicable)	NO <sub>×</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m³/h			
			kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger	<u>-</u>		111 /11			
Standard rating con	ditions used	Low tempera	ature applicatio	n						
Contact details			Heating & Ventilating Equipment Co. , Ltd. ustry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China							
(*) If Cdc is not de (**) From 26 Septe		measurement t	then the defaul	t degradation coefficien	t of chillers sh	nall be 0,9.				

Model(s):			MHC-V12W/D2N8							
Outdoor side heat e	exchanger of o	chiller:	Air to water	Air to water						
Indoor side heat exc	changer chille	r:	Water							
Туре:			Compressor driven vapour compression							
Driver of compresso	or:		Electric moto	Electric motor						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	12.6	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	297	%			
Declared cooling catemperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy efficiency ratio for part load at given outdoor temperature Tj						
Tj=+35°C	P <sub>dc</sub>	12.6	kW	Tj=+35°C	EERd	4.74	-			
Tj=+30°C	P <sub>dc</sub>	8.9	kW	Tj=+30°C	EERd	6.50	-			
Tj=+25°C	P <sub>dc</sub>	5.9	kW	Tj=+25°C	EER₀	8.65	-			
Tj=+20°C	P <sub>dc</sub>	3.0	kW	Tj=+20°C	EERd	9.00	-			
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-							
		Power cons	sumption in mo	des other than "active n	node"					
Off mode	P <sub>OFF</sub>	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	P <sub>TO</sub>	0.012	kW	Standby mode	P <sub>SB</sub>	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0450	3.0			
Sound power level, indoors / outdoors	Lwa	-/68	dB	air flow rate, outdoor measured	-	6150	m³/h			
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m³/h			
			kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger	<u>-</u>		111 /11			
Standard rating con	ditions used	Medium tem	perature applic	cation						
Contact details			leating & Ventilating Equipment Co. , Ltd. ustry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China							
(*) If Cdc is not de (**) From 26 Septe		measurement t	then the defaul	t degradation coefficien	t of chillers sh	nall be 0,9.				

Model(s):			MHC-V14W/	MHC-V14W/D2N8						
Outdoor side heat e	exchanger of o	hiller:	Air to water							
Indoor side heat exc	changer chille	r:	Water							
Туре:			Compressor driven vapour compression							
Driver of compresso	or:		Electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	12.9	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	186	%			
Declared cooling contemperature Tj	apacity for pa	rt load at giver	outdoor							
Tj=+35°C	P <sub>dc</sub>	12.9	kW	Tj=+35°C	EERd	2.71	-			
Tj=+30°C	P <sub>dc</sub>	9.6	kW	Tj=+30°C	EERd	3.90	-			
Tj=+25°C	P <sub>dc</sub>	6.0	kW	Tj=+25°C	EERd	5.37	-			
Tj=+20°C	P <sub>dc</sub>	2.9	kW	Tj=+20°C	EERd	6.71	-			
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-							
		Power cons	umption in mo	des other than "active r	mode"					
Off mode	P <sub>OFF</sub>	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	Рто	0.022	kW	Standby mode	P <sub>SB</sub>	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0450	3.0			
Sound power level, indoors / outdoors	Lwa	-/71	dB	air flow rate, outdoor measured	-	6150	m <sup>3</sup> /h			
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m³/h			
			kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger	_		111 /11			
Standard rating con	ditions used	Low tempera	ature applicatio	n						
Contact details			Heating & Ventilating Equipment Co. , Ltd. ustry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China							
(*) If Cdc is not de (**) From 26 Sept		measurement t	hen the defaul	t degradation coefficien	nt of chillers sh	nall be 0,9.				

Model(s):			MHC-V14W/	MHC-V14W/D2N8						
Outdoor side heat e	exchanger of o	hiller:	Air to water	Air to water						
Indoor side heat exc	changer chille	r:	Water							
Туре:			Compressor driven vapour compression							
Driver of compresso	or:		Electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	14.2	kW	Seasonal space cooling energy efficiency	η <sub>s,c</sub>	283	%			
Declared cooling contemperature Tj	apacity for pa	rt load at giver	outdoor	Declared energy efficiency ratio for part load at given outdoor temperature Tj						
Tj=+35°C	P <sub>dc</sub>	14.2	kW	Tj=+35°C	EERd	4.42	-			
Tj=+30°C	P <sub>dc</sub>	10.5	kW	Tj=+30°C	EERd	6.14	-			
Tj=+25°C	P <sub>dc</sub>	6.6	kW	Tj=+25°C	EERd	8.44	-			
Tj=+20°C	P <sub>dc</sub>	2.9	kW	Tj=+20°C	EERd	8.43	-			
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-							
		Power cons	umption in mo	des other than "active r	mode"					
Off mode	Poff	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	Рто	0.022	kW	Standby mode	P <sub>SB</sub>	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0450	3 <i>/</i> In			
Sound power level, indoors / outdoors	Lwa	-/71	dB	air flow rate, outdoor measured	-	6150	m <sup>3</sup> /h			
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m³/h			
			kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger	_		111 /11			
Standard rating con	ditions used	Medium tem	perature applic	cation						
Contact details			Heating & Ventilating Equipment Co. , Ltd. ustry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China							
(*) If Cdc is not de (**) From 26 Sept		measurement t	hen the defaul	t degradation coefficien	nt of chillers sh	nall be 0,9.				

Model(s):			MHC-V16W/	MHC-V16W/D2N8						
Outdoor side heat e	exchanger of o	hiller:	Air to water	Air to water						
Indoor side heat exc	changer chille	r:	Water							
Type:			Compressor driven vapour compression							
Driver of compresso	or:		Electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	13.9	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	178	%			
Declared cooling catemperature Tj	apacity for pa	rt load at giver	outdoor							
Tj=+35°C	P <sub>dc</sub>	13.9	kW	Tj=+35°C	EERd	2.53	-			
Tj=+30°C	P <sub>dc</sub>	10.5	kW	Tj=+30°C	EERd	3.81	-			
Tj=+25°C	P <sub>dc</sub>	6.4	kW	Tj=+25°C	EERd	5.16	-			
Tj=+20°C	P <sub>dc</sub>	3.1	kW	Tj=+20°C	EERd	6.49	-			
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-							
		Power cons	umption in mo	des other than "active r	mode"					
Off mode	P <sub>OFF</sub>	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	Рто	0.031	kW	Standby mode	P <sub>SB</sub>	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0450	3 //.			
Sound power level, indoors / outdoors	Lwa	-/71	dB	air flow rate, outdoor measured	-	6150	m³/h			
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m³/h			
			kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger	_		111 /11			
Standard rating con	ditions used	Low tempera	ature applicatio	n						
Contact details			Heating & Ventilating Equipment Co. , Ltd. ustry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China							
(*) If Cdc is not de (**) From 26 Septe		measurement t	hen the defaul	t degradation coefficien	it of chillers sh	nall be 0,9.				

Model(s):			MHC-V16W/I	D2N8						
Outdoor side heat e	exchanger of c	hiller:	Air to water	Air to water						
ndoor side heat exc	changer chille	r:	Water							
Гуре:			Compressor driven vapour compression							
Oriver of compresso	or:		Electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	15.3	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	268	%			
Declared cooling catemperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy efficiency ratio for part load at given outdoor temperature Tj						
Tj=+35°C	P <sub>dc</sub>	15.3	kW	Tj=+35°C	EER₀	4.19	-			
Tj=+30°C	P <sub>dc</sub>	11.3	kW	Tj=+30°C	EER₀	5.94	-			
Tj=+25°C	P <sub>dc</sub>	7.2	kW	Tj=+25°C	EER₀	7.98	-			
Tj=+20°C	P <sub>dc</sub>	3.4	kW	Tj=+20°C	EERd	8.27	-			
Degradation co-efficient or chillers (*)	C <sub>dc</sub>	0.9	-							
		Power cons	sumption in mod	des other than "active n	node"					
Off mode	Poff	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	P <sub>TO</sub>	0.031	kW	Standby mode	P <sub>SB</sub>	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0450	m³/h			
Sound power level, indoors / outdoors	Lwa	-/71	dB	air flow rate, outdoor measured	-	6150	m <sup>e</sup> /n			
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m³/h			
			kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger						
Standard rating con	ditions used	Medium tem	perature applic	eation						
Contact details			Heating & Ventilating Equipment Co. , Ltd. ustry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China							
(*) If Cdc is not de (**) From 26 Septe		measurement t	then the defaul	t degradation coefficien	t of chillers sh	nall be 0,9.				

Model(s):			MHC-V12W/[	D2RN8						
Outdoor side heat e	exchanger of c	chiller:	Air to water	Air to water						
Indoor side heat ex	changer chille	r:	Water							
Туре:			Compressor driven vapour compression							
Driver of compress	or:		Electric moto	Electric motor						
ltem	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	11.3	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	191	%			
Declared cooling of temperature Tj	capacity for pa	rt load at giver	n outdoor	Declared energy eff outdoor temperature		or part load at	given			
Tj=+35°C	P <sub>dc</sub>	11.3	kW	Tj=+35°C	EERd	2.90	-			
Tj=+30°C	P <sub>dc</sub>	8.1	kW	Tj=+30°C	EER₀	4.05	-			
Tj=+25°C	P <sub>dc</sub>	5.2	kW	Tj=+25°C	EERd	5.42	-			
Tj=+20°C	P <sub>dc</sub>	2.5	kW	Tj=+20°C	EERd	6.73	-			
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-							
		Power cons	sumption in mod	des other than "active r	node"					
Off mode	Poff	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	P <sub>TO</sub>	0.012	kW	Standby mode	P <sub>SB</sub>	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0450	3//-			
Sound power level, indoors / outdoors LwA -/68			dB	air flow rate, outdoor measured	-	6150	m <sup>3</sup> /h			
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m³/h			
GWP of the - 675 refrigerant			kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger	<u>-</u>					
		Standard rating conditions used  Low temper		rature application						
refrigerant	nditions used	Low tempera	ature applicatio	n						

Model(s):			MHC-V12W/	D2RN8						
Outdoor side heat exchanger of chiller:			Air to water							
Indoor side heat exchanger chiller:			Water							
Туре:			Compressor driven vapour compression							
Driver of compressor:			Electric moto	otor						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	12.6	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	297	%			
Declared cooling contemperature Tj	apacity for pa	rt load at giver	outdoor	Declared energy efficiency ratio for part load at given outdoor temperature Tj						
Tj=+35°C	P <sub>dc</sub>	12.6	kW	Tj=+35°C	EERd	4.74	-			
Tj=+30°C	P <sub>dc</sub>	8.9	kW	Tj=+30°C	EERd	6.50	-			
Tj=+25°C	P <sub>dc</sub>	5.9	kW	Tj=+25°C	EERd	8.65	-			
Tj=+20°C	P <sub>dc</sub>	3.0	kW	Tj=+20°C	EERd	9.00	-			
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-							
		Power cons	umption in mo	des other than "active r	mode"					
Off mode	Poff	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	P <sub>TO</sub>	0.012	kW	Standby mode	P <sub>SB</sub>	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0450	. 3/1			
Sound power level, indoors / outdoors	L <sub>WA</sub>	-/68	dB	air flow rate, outdoor measured	-	6150	m <sup>3</sup> /h			
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or	-	-	m³/h			
GWP of the refrigerant	-	675	kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger			111 /11			
Standard rating conditions used Medium tem		perature applic	cation							
				ating Equipment Co. , l iao, Shunde, Foshan, 0		28311 P.R. Ch	iina			
(*) If Cdc is not de (**) From 26 Sept		neasurement t	then the defaul	t degradation coefficien	t of chillers sh	nall be 0,9.				

Model(s):			MHC-V14W/I	D2RN8						
Outdoor side heat exchanger of chiller:			Air to water							
Indoor side heat exchanger chiller:			Water							
Type:			Compressor	ressor driven vapour compression						
Driver of compressor:			Electric moto	otor						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	12.9	kW	Seasonal space cooling energy efficiency	η <sub>s,c</sub>	186	%			
Declared cooling catemperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy eff		or part load at	given			
Tj=+35°C	P <sub>dc</sub>	12.9	kW	Tj=+35°C	EERd	2.71	-			
Tj=+30°C	P <sub>dc</sub>	9.6	kW	Tj=+30°C	EERd	3.90	-			
Tj=+25°C	P <sub>dc</sub>	6.0	kW	Tj=+25°C	EERd	5.37	-			
Tj=+20°C	P <sub>dc</sub>	2.9	kW	Tj=+20°C	EERd	6.71	-			
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-							
		Power cons	sumption in mo	des other than "active r	node"					
Off mode	Poff	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	P <sub>TO</sub>	0.022	kW	Standby mode	P <sub>SB</sub>	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0450	. 3 //.			
Sound power level, indoors / outdoors	L <sub>WA</sub>	-/71	dB	air flow rate, outdoor measured	-	6150	m <sup>3</sup> /h			
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or	-	-	m³/h			
GWP of the refrigerant	-	675	kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger			111 /11			
Standard rating conditions used Low tempera		ature applicatio	n							
				ating Equipment Co. , Liao, Shunde, Foshan, C		28311 P.R. Ch	ina			
(*) If Cdc is not de (**) From 26 Sept		measurement t	then the defaul	t degradation coefficien	nt of chillers sh	nall be 0,9.				

Model(s):			MHC-V14W/I	D2RN8							
Outdoor side heat e	exchanger of o	hiller:	Air to water	Air to water							
Indoor side heat exchanger chiller:			Water								
Type:			Compressor	Compressor driven vapour compression							
Driver of compressor:			Electric moto	notor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated cooling capacity	P <sub>rated,c</sub>	14.2	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	283	%				
Declared cooling catemperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy efficiency ratio for part load at given outdoor temperature Tj							
Tj=+35°C	P <sub>dc</sub>	14.2	kW	Tj=+35°C	EERd	4.42	-				
Tj=+30°C	P <sub>dc</sub>	10.5	kW	Tj=+30°C	EERd	6.14	-				
Tj=+25°C	P <sub>dc</sub>	6.6	kW	Tj=+25°C	EERd	8.44	-				
Tj=+20°C	P <sub>dc</sub>	2.9	kW	Tj=+20°C	EERd	8.43	-				
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-								
		Power cons	sumption in mo	des other than "active r	mode"						
Off mode	Poff	0.009	kW	Crankcase heater mode	Рск	0.000	kW				
Thermosat-off mode	P <sub>TO</sub>	0.022	kW	Standby mode	P <sub>SB</sub>	0.009	kW				
			Othe	r items							
Capacity control		variable		For air-to-water comfort chillers:		0450	3//-				
Sound power level, indoors / outdoors	L <sub>WA</sub>	-/71	dB	air flow rate, outdoor measured	-	6150	m³/h				
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or			m³/h				
GWP of the refrigerant	-	675	kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger	<u>-</u>		ן וווי/ח				
Standard rating conditions used Medium tem		perature applic	cation								
				ating Equipment Co. , Liao, Shunde, Foshan, C		28311 P.R. Ch	ina				
(*) If Cdc is not de (**) From 26 Septe		measurement t	then the defaul	t degradation coefficien	nt of chillers sh	nall be 0,9.					

Model(s):		MHC-V16W/	MHC-V16W/D2RN8							
Outdoor side heat exchanger of chiller:			Air to water							
Indoor side heat exchanger chiller:			Water							
Type:			Compressor driven vapour compression							
Driver of compressor:			Electric moto	notor						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	13.9	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	178	%			
Declared cooling catemperature Tj	apacity for pa	rt load at giver	outdoor	Declared energy eff		or part load at	given			
Tj=+35°C	P <sub>dc</sub>	13.9	kW	Tj=+35°C	EERd	2.53	-			
Tj=+30°C	P <sub>dc</sub>	10.5	kW	Tj=+30°C	EERd	3.81	-			
Tj=+25°C	P <sub>dc</sub>	6.4	kW	Tj=+25°C	EER₀	5.16	-			
Tj=+20°C	P <sub>dc</sub>	3.1	kW	Tj=+20°C	EERd	6.49	-			
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-							
		Power cons	umption in mo	des other than "active r	node"					
Off mode	Poff	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	P <sub>TO</sub>	0.031	kW	Standby mode	P <sub>SB</sub>	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0450	3.11			
Sound power level, indoors / outdoors	L <sub>WA</sub>	-/71	dB	air flow rate, outdoor measured	-	6150	m³/h			
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or	-	-	m³/h			
GWP of the refrigerant	-	675	kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger			111 /11			
Standard rating conditions used  Low temperature  Low tem		ature applicatio	n							
				ating Equipment Co. , l iao, Shunde, Foshan, (		28311 P.R. Ch	ina			
(*) If Cdc is not de (**) From 26 Sept		measurement t	then the defaul	t degradation coefficien	t of chillers sh	nall be 0,9.				

Model(s):		MHC-V16W/D2RN8								
Outdoor side heat exchanger of chiller:			Air to water							
Indoor side heat exchanger chiller:			Water							
Type:			Compressor driven vapour compression							
Driver of compressor:			Electric moto	ric motor						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	15.3	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	268	%			
Declared cooling catemperature Tj	apacity for pa	rt load at giver	outdoor	Declared energy efficiency ratio for part load at given outdoor temperature Tj						
Tj=+35°C	P <sub>dc</sub>	15.3	kW	Tj=+35°C	EERd	4.19	-			
Tj=+30°C	P <sub>dc</sub>	11.3	kW	Tj=+30°C	EERd	5.94	-			
Tj=+25°C	P <sub>dc</sub>	7.2	kW	Tj=+25°C	EERd	7.98	-			
Tj=+20°C	P <sub>dc</sub>	3.4	kW	Tj=+20°C	EERd	8.27	-			
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9	-							
		Power cons	umption in mo	des other than "active r	mode"					
Off mode	Poff	0.009	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	P <sub>TO</sub>	0.031	kW	Standby mode	P <sub>SB</sub>	0.009	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:		0450	3.0			
Sound power level, indoors / outdoors	Lwa	-/71	dB	air flow rate, outdoor measured	-	6150	m <sup>3</sup> /h			
Emissions of nitroger oxides (if applicable)	NO <sub>x</sub> (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or	-		m³/h			
GWP of the refrigerant		675	kg CO <sub>2 eq</sub> (100years)	water flow rate, outdoor side heat exchanger		-				
Standard rating conditions used Medium tem		perature applic	cation							
				ating Equipment Co. , I iao, Shunde, Foshan, (		28311 P.R. Ch	ina			
(*) If Cdc is not de (**) From 26 Sept		measurement t	hen the defaul	t degradation coefficien	nt of chillers sh	nall be 0,9.				

	Mode			Heatin	g		Coc	ling
Model	Ambient temperature		7/6		2/1	-7/-8	35	/24
	Water temperature	30-35	40-45	47-55	30-35	30-35	23-18	12-7
	Capacity /W	4650	4800	4650	4600	4900	4600	4850
MHC-V5W/D2N8	Power input /W	930	1333	1768	1156	1639	954	1628
	COP / EER	5.00	3.60	2.63	3.98	2.99	4.82	2.98
	Capacity /W	6650	6700	6800	6200	6450	6450	6300
MHC-V7W/D2N8	Power input /W	1348	1879	2424	1590	2164	1387	2274
	COP / EER	4.94	3.57	2.81	3.90	2.98	4.65	2.77
	Capacity /W	8600	8600	8600	7100	7500	8000	7950
MHC-V9W/D2N8	Power input /W	1870	2500	3127	2034	2534	1923	3149
	COP / EER	4.60	3.44	2.75	3.49	2.96	4.16	2.53
	Capacity /W	12300	12400	11900	12200	12000	12200	10900
MHC-V12W/D2N8	Power input /W	2557	3518	4281	3406	4290	2552	3739
	COP / EER	4.81	3.53	2.78	3.58	2.80	4.78	2.92
	Capacity /W	14100	14100	14200	13000	12800	14000	12900
MHC-V14W/D2N8	Power input /W	3065	4063	5173	3657	4602	3101	4615
	COP / EER	4.60	3.47	2.75	3.56	2.78	4.52	2.80
	Capacity /W	16300	16200	16100	15000	13500	15500	13800
MHC-V16W/D2N8	Power input /W	3663	4723	5908	4492	4913	3643	5208
	COP / EER	4.45	3.43	2.73	3.34	2.75	4.26	2.65
	Capacity /W	12300	12400	11900	12200	12000	12200	10900
MHC-V12W/D2RN8	Power input /W	2541	3454	4235	3351	4221	2528	3720
	COP / EER	4.84	3.59	2.81	3.64	2.84	4.83	2.93
	Capacity /W	14100	14100	14200	13000	12800	14000	12900
MHC-V14W/D2RN8	Power input /W	3045	3989	5099	3627	4548	3111	4615
	COP / EER	4.63	3.54	2.79	3.58	2.81	4.50	2.80
	Capacity /W	16300	16200	16100	15000	13500	15500	13800
MHC-V16W/D2RN8	Power input /W	3634	4702	5833	4449	4845	3634	5188
	COP / EER	4.49	3.45	2.76	3.37	2.79	4.27	2.66

# NOTE

16125300001700 V3.0

规格: A4

材料: 封面、封底为105g铜版纸

内页为100g双胶纸

更改记录 (本页不打印)

N81120281 V1.0-V2.0

- 1、材料内页改为100g双胶纸
- 2、封底升级版本
- 3、所以页面均有参数变更

### V2.0-3.0

- 1、第2-6页, Tblv更正为Tbiv
- 2、封底升级版本