

TECHNICAL DATA MANUAL

MLI Heat Pump





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

RG66022737

UNI/TS 11300 parte 4 - MLI

DATI PER IL CALCOLO SECONDO UNI/TS 11300 parte 4

GALLETTI S.p.A. dichiara che i dati da utilizzare per il calcolo secondo la norma UNI/TS 11300 parte 4 del rendimento di generazione delle pompe di calore di sua produzione sono quelli indicati nelle tabelle seguenti.

Termini e definizioni Tdesignh = temperatura di progetto del clima Average come definito dalla norma EN 14825 T mandata = temperatura acqua calda inviata all'impianto (temperatura del pozzo caldo) Te = temperatura **dell'aria esterna** A, B, C, D = le quattro condizioni di temperatura aria esterna (Te) come definite dalla norma EN 14825 DC (potenza a pieno carico) = potenza a pieno carico riferita alla temperatura aria esterna indicata PLR = part load ratio, fattore di carico in base alla temperatura aria esterna CR = fattore di carico della pompa di calore P = potenza **richiesta dall'impianto** COP_{DC} (pieno carico) = COP a pieno carico riferito alla temperatura aria esterna indicata COP_{PL} (carico parziale) = COP a carico CR e riferito alla temperatura aria esterna indicata f_{COP} = fattore di correzione del COP e definito come: COP_{PL} (carico parziale) / COP_{DC} (pieno carico) Pdc = Pompa di Calore ACS = Acqua Calda Sanitaria

I dati contenuti nel presente documento possono essere aggiornati dal costruttore in caso di aggiornamenti di gamma senza

obbligo di preavviso. Nel caso in cui l'unitàdi vostro interesse non fosse compresa nel presente elenco vi preghiamo di

contattare **l'agente**di zona.

La presente dichiarazione è rilasciata per tutti gli usi consentiti dalla legge.

Bentivoglio (BO), 15/02/22

MLI006HMAA

Dati per calcolo COP _{PL} con Tmandata=35°C	Tdesignh	А	В	с	D	unità di misura
Те	-10	-7	2	7	12	°C
PLR	1	0,88	0,54	0,35	0,15	-
DC (potenza a pieno carico)	4,51	6,00	5,50	6,35	6,41	kW
CR	1,50	1,00	0,66	0,37	0,16	-
Р	6,78	6,00	3,65	2,35	1,04	kW
COP _{DC} (pieno carico)	2,66	3,00	3,90	4,95	5,04	-
COP _{PL} (carico parziale)	2,74	3,06	3,98	5,23	4,26	-
f _{COP}	1,03	1,02	1,02	1,06	0,85	-

Dati di Potenza e COP a pieno carico	Potenza termica [kW] $\Phi_{\rm H,HP out}$				СОР	
Те	Tmandata 35°C	Tmandata 45°C	Tmandata 55°C	Tmandata 35°C	Tmandata 45°C	Tmandata 55°C
-7	6,00	5,40	5,15	3,00	2,40	2,00
2	5,50	5,80	5,65	3,90	3,00	2,45
7	6,35	6,30	6,00	4,95	3,70	2,95
12	6,41	6,77	6,82	5,04	4,03	3,23

Pdc per ACS - Dati di Potenza e COP a pieno carico	Potenza termica [kW] ФH,HP out	СОР	
Те	Tmandata 55°C	Tmandata 55°C	
7	6,00	2,95	
15	6,15	3,42	
20	6,03	3,76	
35	6,02	4,65	

MLI008HMAA

Dati per calcolo COP _{PL} con Tmandata=35°C	Tdesignh	А	В	с	D	unità di misura
Те	-10	-7	2	7	12	°C
PLR	1	0,88	0,54	0,35	0,15	-
DC (potenza a pieno carico)	6,25	7,00	7,10	8,40	7,98	kW
CR	1,27	1,00	0,60	0,33	0,15	-
Р	7,91	7,00	4,26	2,74	1,22	kW
COP _{DC} (pieno carico)	3,26	3,20	4,10	5,15	5,90	-
COP _{PL} (carico parziale)	3,35	3,44	4,27	5,42	4,87	-
f _{COP}	1,03	1,08	1,04	1,05	0,83	-

Dati di Potenza e COP a pieno carico	Potenza termica [kW] Ф _{Н,НР out}				СОР	
Те	Tmandata 35°C	Tmandata 45°C	Tmandata 55°C	Tmandata 35°C	Tmandata 45°C	Tmandata 55°C
-7	7,00	6,60	6,15	3,20	2,55	2,05
2	7,10	7,40	7,10	4,10	3,25	2,60
7	8,40	8,30	7,50	5,15	3,85	3,18
12	7,98	8,51	7,21	5,90	4,19	3,50

Pdc per ACS - Dati di Potenza e COP a pieno carico	Potenza termica [kW] ФH,HP out	СОР
Те	Tmandata 55°C	Tmandata 55°C
7	7,50	3,18
15	7,33	3,68
20	7,47	4,14
35	7,48	5,03

MLI010HMAA

Dati per calcolo COP _{PL} con Tmandata=35°C	Tdesignh	А	В	С	D	unità di misura
Те	-10	-7	2	7	12	°C
PLR	1	0,88	0,54	0,35	0,15	-
DC (potenza a pieno carico)	6,96	8,00	8,20	10,00	8,97	kW
CR	1,30	1,00	0,59	0,31	0,16	-
Р	9,04	8,00	4,87	3,13	1,39	kW
COP _{DC} (pieno carico)	3,08	3,05	4,00	4,95	5,66	-
COP _{PL} (carico parziale)	3,17	3,37	4,22	5,28	5,11	-
f _{COP}	1,03	1,10	1,06	1,07	0,90	-

Dati di Potenza e COP a pieno carico	Potenza termica [kW] $\Phi_{\rm H,HPout}$				СОР	
Те	Tmandata 35°C	Tmandata 45°C	Tmandata 55°C	Tmandata 35°C	Tmandata 45°C	Tmandata 55°C
-7	8,00	7,35	6,85	3,05	2,55	2,00
2	8,20	7,85	8,10	4,00	3,20	2,56
7	10,00	10,00	9,50	4,95	3,75	3,10
12	8,97	9,05	8,43	5,66	3,98	3,35

Pdc per ACS - Dati di Potenza e COP a pieno carico	Potenza termica [kW] ФH,HP out	СОР	
Те	Tmandata 55°C	Tmandata 55°C	
7	9,50	3,10	
15	8,60	3,67	
20	8,73	4,05	
35	8,63	5,29	

MLI012HMAA

Dati per calcolo COP _{PL} con Tmandata=35°C	Tdesignh	А	В	с	D	unità di misura
Те	-10	-7	2	7	12	°C
PLR	1	0,88	0,54	0,35	0,15	-
DC (potenza a pieno carico)	8,14	10,00	9,20	12,10	10,93	kW
CR	1,39	1,00	0,66	0,32	0,16	-
Р	11,30	10,00	6,09	3,91	1,74	kW
COP _{DC} (pieno carico)	2,66	3,00	3,90	4,95	5,69	-
COP _{PL} (carico parziale)	2,74	3,14	4,35	5,16	4,90	-
f _{COP}	1,03	1,05	1,12	1,04	0,86	-

Dati di Potenza e COP a pieno carico	Potenza termica [kW]				СОР	
Те	Tmandata 35°C	Tmandata 45°C	Tmandata 55°C	Tmandata 35°C	Tmandata 45°C	Tmandata 55°C
-7	10,00	10,20	9,80	3,00	2,40	2,05
2	9,20	10,60	11,30	3,90	3,00	2,50
7	12,10	12,30	11,90	4,95	3,70	3,05
12	10,93	11,03	9,57	5,69	4,20	3,16

Pdc per ACS - Dati di Potenza e COP a pieno carico	Potenza termica [kW] ФH,HP out	СОР
Те	Tmandata 55°C	Tmandata 55°C
7	11,90	3,05
15	9,12	3,20
20	9,00	3,61
35	10,01	4,86

MLI016HMAA

Dati per calcolo COP _{PL} con Tmandata=35°C	Tdesignh	А	В	с	D	unità di misura
Те	-10	-7	2	7	12	°C
PLR	1	0,88	0,54	0,35	0,15	-
DC (potenza a pieno carico)	10,30	13,10	13,00	15,90	13,88	kW
CR	1,44	1,00	0,61	0,32	0,16	-
Р	14,81	13,10	7,97	5,13	2,28	kW
COP _{DC} (pieno carico)	2,61	2,70	3,45	4,50	5,48	-
COP _{PL} (carico parziale)	2,68	2,97	3,90	4,95	4,77	-
f _{COP}	1,03	1,10	1,13	1,10	0,87	-

Dati di Potenza e COP a pieno carico	P	Potenza termica [kW	v]			
Те	Tmandata 35°C	Tmandata 45°C	Tmandata 55°C	Tmandata 35°C	Tmandata 45°C	Tmandata 55°C
-7	13,10	12,80	12,50	2,70	2,25	2,00
2	13,00	12,70	13,30	3,45	2,85	2,40
7	15,90	16,00	16,00	4,50	3,50	2,85
12	13,88	13,61	12,53	5,48	4,17	3,39

Pdc per ACS - Dati di Potenza e COP a pieno carico	Potenza termica [kW] ФH,HP out	СОР
Те	Tmandata 55°C	Tmandata 55°C
7	16,00	2,85
15	13,22	3,61
20	11,19	3,68
35	10,38	4,57

MLI016H0AA

Dati per calcolo COP _{PL} con Tmandata=35°C	Tdesignh	А	В	с	D	unità di misura
Те	-10	-7	2	7	12	°C
PLR	1	0,88	0,54	0,35	0,15	-
DC (potenza a pieno carico)	10,30	13,10	13,00	15,90	13,88	kW
CR	1,44	1,00	0,61	0,32	0,16	-
Р	14,81	13,10	7,97	5,13	2,28	kW
COP _{DC} (pieno carico)	2,61	2,70	3,45	4,50	5,48	-
COP _{PL} (carico parziale)	2,68	2,97	3,90	4,95	4,77	-
f _{COP}	1,03	1,10	1,13	1,10	0,87	-

Dati di Potenza e COP a pieno carico	F	Potenza termica [kW Ф _{Н,HP out}	/]		СОР	
Те	Tmandata 35°C	Tmandata 45°C	Tmandata 55°C	Tmandata 35°C	Tmandata 45°C	Tmandata 55°C
-7	13,10	12,80	12,50	2,70	2,25	2,00
2	13,00	12,70	13,30	3,45	2,85	2,40
7	15,90	16,00	16,00	4,50	3,50	2,85
12	13,88	13,61	12,53	5,48	4,17	3,39

Pdc per ACS - Dati di Potenza e COP a pieno carico	Potenza termica [kW] ФH,HP out	СОР
Те	Tmandata 55°C	Tmandata 55°C
7	16,00	2,85
15	13,22	3,61
20	11,19	3,68
35	10,38	4,57

					For mediur	n - temperature	e application					
				average climat	e		colder climate			warmer climate		
Model	Energy efficiency class	Unit sound power	Rated heat output	Seasonal space heating energy efficiency	For space heating,annu al energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating,annu al energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating,annu al energy consumption	
	-	dB	kW	%	kWh	kW	%	kWh	kW	%	kWh	
MLI006HMAA	A++	58	5.7	137.9	3345	4.3	111.1	3681	5.1	164.7	1640	
MLI008HMAA	A++	59	6.6	131.5	4056	5.8	112.0	4950	7.6	175.8	2259	
MLI010HMAA	A++	60	7.7	135.6	4539	6.7	116.4	5540	8.6	180.3	2516	
MLI012HMAA	A++	65	11.6	135.1	6927	10.3	117.8	8419	12.5	174.0	3776	
MLI016HMAA	A++	68	13.0	133.3	7895	11.8	121.8	9309	13.8	176.1	4112	
MLI016H0AA	A++	68	13.0	133.2	7896	11.8	121.8	9310	13.8	175.9	4116	

Unit type explanation: MLI0**H*AA, without back-up heater

					For low -	temperature a	appl ication				
				average climat	te		colder climate		warmer climat	e	
Model	Energy efficiency class	Unit sound power	Rated heat output	Seasonal space heating energy efficiency	For space heating,annu al energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating,annu al energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating,annu al energy consumption
	-	dB	kW	%	kWh	k₩	%	kWh	kW	%	kWh
MLI006HMAA	A+++	58	6.8	195.0	2845	5.6	165.3	3300	6.1	259.8	1244
MLI008HMAA	A+++	59	8.1	205.6	3218	7.0	170.0	3976	8.1	276.6	1551
MLI010HMAA	A+++	60	9.2	204.8	3644	7.7	169.8	4423	8.6	280.5	1617
MLI012HMAA	A+++	65	12.0	189.4	5152	11.4	160.2	6870	11.1	256.1	2292
MLI016HMAA	A+++	68	15.2	181.7	6804	13.7	157.8	8431	13.1	248.5	2781
MLI016H0AA	A+++	68	15.2	181.6	6805	13.7	157.8	8431	13.1	248.1	2786

Unit type explanation: MLI0**H*AA , without back-up heater

Heat pum	p space heater	Model	MLI006HMAA	MLI008HMAA	MLI010HMAA	MLI012HMAA	MLI016HMAA	MLI016H0AA
11-14 (*)	Average climate low temperature application	58.0	59.0	60.0	65.0	68.0	68.0	68.0
Unit sound power (*)	Average climate medium temperature application	58.0	59.0	60.0	65.0	68.0	68.0	68.0
Space heating	Energy efficiency class 35°C (Low temp. app.)	A+++	A+++	A+++	A+++	A+++	A+++	A+++
Space heating	Energy efficiency class 55°C (Medium temp. app.)	A++	A++	A++	A++	A++	A++	A++
Average climate (Design	n temperature = -10°C)							
	Prated (declared heating capacity) @ -10°C	[kW]	6.8	8.1	9.2	12.0	15.2	15.2
Space heating 35°C	Seasonal space heating efficiency (η s)	[%]	195.0	205.6	204.8	189.4	181.7	181.6
	Annual energy consumption	[kWh]	2,845	3,218	3644	5,152	6,804	6,805
	Prated (declared heating capacity) @ -10°C	[kW]	5.7	6.6	7.7	11.6	13.0	13.0
Space heating 55°C	Seasonal space heating efficiency (η s)	[%]	137.9	131.5	136.6	135.1	133.3	133.2
	Annual energy consumption	[kWh]	3,345	4,056	4,539	6,927	7,895	7,896
Part load conditions spa	ace heating average climate low tempe	erature applic	cation			-		
	Pdh (declared heating capacity)	[kW]	6.03	7.18	8.10	10.61	13.45	13.45
(A) condition (-7°C)	COPd (declared COP)	-	3.09	3.35	3.23	2.88	2.72	2.72
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	3.88	4.65	5.18	6.69	8.56	8.56
(B) condition (2°C)	COPd (declared COP)	-	4.85	5.09	5.01	4.65	4.41	4.41
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	2.39	2.90	3.32	4.44	5.70	5.70
(C) condition (7°C)	COPd (declared COP)	-	6.63	6.82	7.08	6.62	6.56	6.56
()()	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	1.39	1.63	1.65	3.74	3.78	3.78
(D) condition (12°C)	COPd (declared COP)	-	7.93	8.35	8.58	8.47	8.51	8.51
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90

Heat pump	space heater	Model	MLI006HMAA	MLI008HMAA	MLI010HMAA	MLI012HMAA	MLI016HMAA	MLI016H0AA
	Tol (temperature operating limit)	[°C]	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
	Pdh (declared heating capacity)	[kW]	5.36	6.44	7.40	10.74	12.52	12.52
(temperature	COPd (declared COP)	-	2.76	3.04	2.96	2.77	2.48	2.48
operating limit)	WTOL (Heating water Operation Limit)	[°C]	60.00	60.00	60.00	60.00	60.00	60.00
	Tblv	[°C]	-7.00	-7.00	-7.00	-7.00	-7.00	-7.00
(F) Tbivalent	Pdh (declared heating capacity)	[kW]	6.03	7.18	8.10	10.61	13.45	13.45
temperature	COPd (declared COP)	-	3.09	3.35	3.23	2.88	2.72	2.72
Supplementary capacity at P_design	Psup (@Tdesignh: -10°C)	[kW]	1.45	1.68	1.76	1.26	2.68	2.68
Part load conditions s	pace heating average climate mediu	m temperatu	ire application					
	Pdh (declared heating capacity)	[kW]	5.04	5.84	6.78	10.24	11.52	11.52
(A) condition (-7°C)	COPd (declared COP)	-	2.17	2.16	2.24	2.01	1.99	1.99
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	3.12	3.75	4.28	6.52	7.18	7.18
(B) condition (2°C)	COPd (declared COP)	-	3.51	3.30	3.42	3.44	3.34	3.34
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	2.08	2.42	2.77	4.36	4.67	4.67
(C) condition (7°C)	COPd (declared COP)	-	4.54	4.34	4.52	4.59	4.61	4.61
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	1.28	1.39	1.58	3.29	3.31	3.31
(D) condition (12°C)	COPd (declared COP)	-	5.59	5.33	5.68	6.05	6.07	6.07
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Tol (temperature operating limit)	[°C]	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
	Pdh (declared heating capacity)	[kW]	4.52	4.90	5.38	9.10	10.33	10.33
(temperature	COPd (declared COP)	-	1.91	1.84	1.83	1.79	1.80	1.80
operating limit)	WTOL (Heating water Operation Limit)	[°C]	60.00	60.00	60.00	60.00	60.00	60.00
	Tblv	[°C]	-7.00	-7.00	-7.00	-7.00	-7.00	-7.00
(F) Tbivalent	Pdh (declared heating capacity)	[kW]	5.04	5.84	6.78	10.24	11.52	11.52
temperature	COPd (declared COP)	-	2.17	2.16	2.24	2.01	1.99	1.99
Supplementary capacity at P_design	Psup (@Tdesignh: -10°C)	[kW]	1.18	1.69	2.28	2.50	2.67	2.67

Heat pump s	pace heater	Model	MLI006HMAA	MLI008HMAA	MLI010HMAA	MLI012HMAA	MLI016HMAA	MLI016H0AA
Colder climate (Design tempe	erature = -22°C)							
	Prated (declared heating capacity) @ -22°C	[kW]	5.6	7.0	7.7	11.4	13.7	13.7
Space heating 35°C	Seasonal space heating efficiency (η s)	[%]	165.3	170.0	169.8	160.2	157.8	157.8
	Annual energy consumption	[kWh]	3,300	3,976	4,423	6,870	8,431	8,431
Space heating 55°C	Prated (declared heating capacity) @ -22°C	[kW]	4.3	5.8	6.7	10.3	11.8	11.8
	Seasonal space heating efficiency (η s)	[%]	111.1	112.1	116.4	117.8	121.8	121.8
	Annual energy consumption	[kWh]	3,681	4,950	5,540	8,419	9,309	9,310
Part load conditions space he	eating colder climate low temperature	application						
	Pdh (declared heating capacity)	[kW]	3.42	4.46	4.83	7.05	8.31	8.31
(A) condition (-7°C)	COPd (declared COP)	-	3.59	3.66	3.60	3.48	3.37	3.37
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	2.06	2.69	2.94	4.67	5.26	5.26
(B) condition (2°C)	COPd (declared COP)	-	5.21	5.20	5.26	4.96	4.86	4.86
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	1.46	1.65	1.92	3.14	3.62	3.62
(C) condition (7°C)	COPd (declared COP)	-	6.24	6.53	7.08	6.10	6.49	6.49
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	1.44	1.65	1.65	3.57	3.34	3.34
(D) condition (12°C)	COPd (declared COP)	-	7.66	7.96	7.96	7.87	7.40	7.40
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Tol (temperature operating limit)	[°C]	-22.00	-22.00	-22.00	-22.00	-22.00	-22.00
(E) Tol (temperature	Pdh (declared heating capacity)	[kW]	3.48	4.06	4.62	7.01	8.88	8.88
operating limit)	COPd (declared COP)	-	1.96	1.95	1.97	1.98	1.97	1.97
	WTOL (Heating water Operation Limit)	[°C]	51.00	51.00	51.00	51.00	51.00	51.00
	Tblv	[°C]	-15.00	-15.00	-15.00	-15.00	-15.00	-15.00
(F) Tbivalent temperature	Pdh (declared heating capacity)	[kW]	4.59	5.69	6.32	9.28	11.22	11.22
	COPd (declared COP)	-	2.53	2.83	2.64	2.59	2.43	2.43
Supplementary capacity at P_design	Psup (@Tdesignh: -22°C)	[kW]	2.15	2.91	3.08	4.40	4.82	4.82

Heat pump	space heater	Model	MLI006HMAA	MLI008HMAA	MLI010HMAA	MLI012HMAA	MLI016HMAA	MLI016H0AA
Part load conditions space h	eating colder climate medium temperation	ture application	on					
	Pdh (declared heating capacity)	[kW]	2.70	3.86	4.27	6.63	7.64	7.64
(A) condition (-7°C)	COPd (declared COP)	-	2.46	2.48	2.54	2.63	2.65	2.65
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	1.60	2.21	2.57	4.06	4.42	4.42
(B) condition (2°C)	COPd (declared COP)	-	3.36	3.35	3.51	3.60	3.79	3.79
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	1.02	1.44	1.65	2.78	2.97	2.97
(C) condition (7°C)	COPd (declared COP)	-	3.94	4.11	4.37	4.54	4.81	4.81
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	1.37	1.46	1.47	3.33	3.43	3.43
(D) condition (12°C)	COPd (declared COP)	-	6.35	5.92	5.96	6.25	6.29	6.29
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Tol (temperature operating limit)	[°C]	-22.00	-22.00	-22.00	-22.00	-22.00	-22.00
(F) Tol (temperature	Pdh (declared heating capacity)	[kW]	2.09	2.80	2.80	4.19	5.21	5.21
operating limit)	COPd (declared COP)	-	1.13	1.22	1.22	1.13	1.23	1.23
	WTOL (Heating water Operation Limit)	[°C]	51.00	51.00	51.00	51.00	51.00	51.00
	Tblv	[°C]	-15.00	-15.00	-15.00	-15.00	-15.00	-15.00
(F) Tbivalent temperature	Pdh (declared heating capacity)	[kW]	3.47	4.71	5.47	8.41	9.61	9.61
	COPd (declared COP)	-	1.86	1.90	2.00	1.84	1.86	1.86
Supplementary capacity at P_design	Psup (@Tdesignh: -22°C)	[kW]	2.17	2.97	3.91	6.12	6.59	6.59
Warmer climate (Design temp	perature = 2°C)			-	-	-	-	-
	Prated (declared heating capacity) @ 2°C	[kW]	6.1	8.1	8.6	11.1	13.1	13.1
Space heating 35°C	Seasonal space heating efficiency (ηs)	[%]	259.8	276.6	280.5	256.1	248.5	248.1
	Annual energy consumption	[kWh]	1,244	1,551	1,617	2,292	2,781	2,786
	Prated (declared heating capacity) @ 2°C	[kW]	5.1	7.6	8.6	12.5	13.8	13.8
Space heating 55°C	Seasonal space heating efficiency (ηs)	[%]	164.7	175.8	180.3	174.0	176.1	175.9
	Annual energy consumption	[kWh]	1,640	2,259	2,516	3,776	4,112	4,116

Heat pump	space heater	Model	MLI006HMAA	MLI008HMAA	MLI010HMAA	MLI012HMAA	MLI016HMAA	MLI016H0AA
Part load conditions spac	e heating warmer climate low temp	erature appli	cation					
	Pdh (declared heating capacity)	[kW]	5.93	7.56	8.44	11.26	13.10	13.10
(B) condition (2°C)	COPd (declared COP)	-	3.91	3.98	3.84	3.59	3.35	3.35
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	3.93	5.22	5.52	7.14	8.41	8.41
(C) condition (7°C)	COPd (declared COP)	-	5.89	6.26	6.18	5.87	5.36	5.36
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	1.79	2.62	2.62	3.55	3.87	3.87
(D) condition (12°C)	COPd (declared COP)	-	8.20	9.23	9.04	7.94	8.11	8.11
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Tol (temperature operating limit)	[°C]	2.00	2.00	2.00	2.00	2.00	2.00
	Pdh (declared heating capacity)	[kW]	5.93	7.56	8.44	11.26	13.10	13.10
(temperature	COPd (declared COP)	-	3.91	3.98	3.84	3.59	3.35	3.35
operating limit)	WTOL (Heating water Operation Limit)	[°C]	62.00	62.00	62.00	62.00	62.00	62.00
	Tblv	[°C]	7.00	7.00	7.00	7.00	7.00	7.00
(F) Tbivalent temperature	Pdh (declared heating capacity)	[kW]	3.93	5.22	5.52	7.14	8.41	8.41
	COPd (declared COP)	-	5.89	6.26	6.18	5.87	5.36	5.36
Supplementary capacity at P_design	Psup (@Tdesignh: 2°C)	[kW]	0.18	0.55	0.14	0.00	0.00	0.00
Part load conditions spac	e heating warmer climate medium	emperature	application					
	Pdh (declared heating capacity)	[kW]	5.02	7.55	8.06	12.07	13.38	13.38
(B) condition (2°C)	COPd (declared COP)	-	2.48	2.59	2.59	2.31	2.29	2.29
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	3.31	4.86	5.54	8.04	8.86	8.86
(C) condition (7°C)	COPd (declared COP)	-	3.67	3.92	4.10	3.86	3.84	3.84
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)	[kW]	1.60	2.31	2.53	3.75	4.06	4.06
(D) condition (12°C)	COPd (declared COP)	-	5.29	5.55	5.82	5.70	5.86	5.86
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90

Heat pump s	pace heater	Model	MLI006HMAA	MLI008HMAA	MLI010HMAA	MLI012HMAA	MLI016HMAA	MLI016H0AA
	Tol (temperature operating limit)	[°C]	2.00	2.00	2.00	2.00	2.00	2.00
	Pdh (declared heating capacity)	[kW]	5.02	7.55	8.06	12.07	13.38	13.38
(temperature	COPd (declared COP)	-	2.48	2.59	2.59	2.31	2.29	2.29
operating limit)	WTOL (Heating water Operation Limit)	[°C]	62.00	62.00	62.00	62.00	62.00	62.00
	Tblv	[°C]	7.00	7.00	7.00	7.00	7.00	7.00
(F) Tbivalent	Pdh (declared heating capacity)	[kW]	3.31	4.86	5.54	8.04	8.86	8.86
temperature	COPd (declared COP)	-	3.67	3.92	4.10	3.86	3.84	3.84
Supplementary capacity at P_design	Psup (@Tdesignh: 2°C)	[kW]	0.12	0.00	0.48	0.43	0.42	0.42
0								
	Air-to-water heat pump	Y/N	Yes	Yes	Yes	Yes	Yes	Yes
	Water-to-water heat pump	Y/N	No	No	No	No	No	No
	Brine-to-water heat pump	Y/N	No	No	No	No	No	No
Product description	Low -temperature heat pump	Y/N	No	No	No	No	No	No
	Equipped with a supplementary heater	Y/N	Yes	Yes	Yes	Yes	Yes	Yes
	Heat pump combination heater	Y/N	No	No	No	No	No	No
Air to water unit	Rated airflow	[m³/h]	2770	4030	4030	4060	4650	4650
Brine/water to water unit	Rated water/brine flow (outdoor H/E)		/	/	/	/	/	/
	Capacity control	-	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Power consumption Off mode)	[kW]	0.014	0.014	0.014	0.014	0.014	0.02
	Pto (Power consumption Thermostat off mode)	[kW]	0.024	0.024	0.024	0.024	0.024	0.030
Other	Psb (Power consumption Standby mode)	[kW]	0.014	0.014	0.014	0.014	0.014	0.02
	PCK (Power crankcase heater model)	[kW]	0.000	0.000	0.000	0.000	0.000	0.000
	Qelec (Daily electricity consumption)	[kWh]	/	/	/	/	/	/
	Qfuel (Daily fuel consumption)	[kWh]	/	/	/	/	/	/

Model(s):	MLI006HMAA
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit	Item	n	Symbol	Value	Unit
Rated heat output (*)	Prated	5.7	kW	Sea	asonal space heating energy efficiency	ηs	137.9	%
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor tem	perature 20 °C	;	Dec indo	clared coefficient of performance or prima oor temperature 20 °C and outdoor temp	ary energy ra perature Tj	tio for part loa	d at
Tj = -7℃	Pdh	5.04	kW	Tj =	-7° ℃	COPd	2.17	-
Tj = 2℃	Pdh	3.12	kW	Tj =	2 ℃	COPd	3.51	-
Tj = 7℃	Pdh	2.08	kW	Tj =	:7℃	COPd	4.54	-
Tj = 12℃	Pdh	1.28	kW	Tj =	= 12℃	COPd	5.59	-
Tj = bivalent temperature	Pdh	5.04	kW	Tj =	= bivalent temperature	COPd	2.17	-
Tj = operating limit	Pdh	4.52	kW	Tj =	e operating limit	COPd	1.91	-
For air-to-water heat pumps: Tj = -15 $^\circ\!\mathrm{C}$	Pdh	-	kW	For	air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	For Ope	air-to-water heat pumps: eration limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych	-	kW	Сус	cling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.9		Hea	ating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than ac	tive mode			Sup	oplementary heater			
Off mode	Poff	0.014	kW	Rated heat output (**)		Psup	1 18	<i>د</i> \\\
Standby mode	Psb	0.014	kW			· oup	1.10	
Thermostat-off mode	Pto	0.024	kW	Тур	be of energy input		Electrical	
Crankcase heater mode	Pck	0.000	kW		0, 1			
Other items								
Capacity control		variable		For	air-to-water heat pumps:	-	2770	m³/h
Sound power level, indoors/outdoors	L _{WA}	-/58	dB	For Rat	water-or brine-to-water heat pumps: ted brine or water flow rate, outdoor	-	-	m³/h
Annual energy consumption	Q _{HE}	3345	kWh	hea	at exchanger			
For boot nump combination bootor	•	-		•				
Por heat pump combination heater.				Wa	tor booting onergy officiancy	n		0/
	0.	-	1.) A //-	VVa	iter meaning energy enciency	wh	-	70
			KVVN	Da	nual fuel consumption	≤fuel		KVVI1
Annual electricity consumption	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	kWh			AFC		GJ
Contact details GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)								

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

Model(s):	MLI006HMAA
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	COLDER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	4.3	kW	Seasonal space heating energy efficiency	ηs	111.1	%
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 temp	ary energy ra perature Tj	itio for part loa	id at
Tj = -7℃	Pdh	2.70	kW	Tj = -7℃	COPd	2.46	-
Tj = 2℃	Pdh	1.60	kW	Tj = 2℃	COPd	3.36	-
Tj = 7℃	Pdh	1.02	kW	Tj = 7℃	COPd	3.94	-
Tj = 12℃	Pdh	1.37	kW	Tj = 12°C	COPd	6.35	-
Tj = bivalent temperature	Pdh	3.47	kW	Tj = bivalent temperature	COPd	1.86	-
Tj = operating limit	Pdh	2.09	kW	Tj = operating limit	COPd	1.13	-
For air-to-water heat pumps: Tj = -15 $^\circ\!\!\!\!^\circ\!\!\!^\circ$	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^\circ\!\!\mathbb{C}$	COPd	-	-
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	51	°C
Power consumption in modes other than ac	tive mode			Supplementary heater			
Off mode	Poff	0.014	kW	Rated heat output (**)	Paup	E 10	14/4/
Standby mode	Psb	0.014	kW		i sup	5.10	ĸvv
Thermostat-off mode	Pto	0.024	kW	Type of energy input		Electrical	
Crankcase heater mode	Pck	0.000	kW	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Lieotriodi	

Other items								
Capacity control		variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	2770	m³/h
Sound power level, indoors/outdoors	L _{WA}	-	dB		For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h
Annual energy consumption	Q _{HE}	3681	kWh		heat exchanger			

For heat pump combination heater:								
Declared load profile		-			Water heating energy efficiency	η wh	-	%
Daily electricity consumption	Q _{clec}	-	kWh		Daily fuel consumption	Q _{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh		Annual fuel consumption	AFC	-	GJ
CD Midea Heating & Ventilating Equipment Co. Ltd								

Contact details

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

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

Model(s):	MLI006HMAA
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	5.1	kW	Seasonal space heating energy efficiency	ηs	164.7	%	
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor temp	perature 20 °C	:	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℃	COPd	-	-	
Tj = 2℃	Pdh	5.02	kW	Tj = 2℃	COPd	2.48	-	
Tj = 7℃	Pdh	3.31	kW	Tj = 7℃	COPd	3.67	-	
Tj = 12℃	Pdh	1.60	kW	Tj = 12℃	COPd	5.29	-	
Tj = bivalent temperature	Pdh	3.31	kW	Tj = bivalent temperature	COPd	3.67	-	
Tj = operating limit	Pdh	5.02	kW	Tj = operating limit	COPd	2.48	-	
For air-to-water heat pumps: Tj = -15 $^\circ\!\mathrm{C}$	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	62	°C	
Power consumption in modes other than ac	tive mode			Supplementary heater				
Off mode	Poff	0.014	kW	Poted boot output (**)	Paura	0	1.3.47	
Standby mode	Psb	0.014	kW		r sup	U	KVV	
Thermostat-off mode	Pto	0.024	kW	Type of energy input		Electrical		
Crankcase heater mode	Pck	0.000	kW			Liectifical		
Other items								
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	2770	m³/h	
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h	

For heat pump combination heater:								
Declared load profile		-			Water heating energy efficiency	n _{wh}	-	%
Daily electricity consumption	Q _{clec}	-	kWh		Daily fuel consumption	Q _{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh		Annual fuel consumption	AFC	-	GJ
Contact details	GD Midea I (Penglai ind	iD Midea Heating & Ventilating Equipment Co. Ltd ^J englai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)						

kWh

1640

Q_{HE}

Annual energy consumption

heat exchanger

(*) 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):	MLI008HMAA
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	6.6	kW	Seasonal space heating energy efficiency	ηs	131.5	%		
Declared capacity for heating for part load a and outdoor temperature Tj	t indoor temp	perature 20 °C	:	Declared coefficient of performance or prim indoor temperature 20 °C and outdoor temp	Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj				
Tj = -7℃	Pdh	5.84	kW	Tj = -7℃	COPd	2.16	-		
Tj = 2℃	Pdh	3.75	kW	Tj = 2℃	COPd	3.30	-		
Tj = 7℃	Pdh	2.42	kW	Tj = 7℃	COPd	4.34	-		
Tj = 12℃	Pdh	1.39	kW	Tj = 12℃	COPd	5.33	-		
Tj = bivalent temperature	Pdh	5.84	kW	Tj = bivalent temperature	COPd	2.16	-		
Tj = operating limit	Pdh	4.90	kW	Tj = operating limit	COPd	1.84	-		
For air-to-water heat pumps: Tj = -15 $^\circ\!\mathrm{C}$	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^\circ\!\!\!\!^\circ$	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	0.014	kW	Pated heat output (**)	Pour	1.60			
Standby mode	Psb	0.014	kW	Raied heat output ()	i sup	1.09	kW		
Thermostat-off mode	Pto	0.024	kW	Type of energy input		Electrical			
Crankcase heater mode	Pck	0.000	kW	· , , , , , , , , , , , , , , , , , , ,		Licotrical			

Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	4030	m³/h
Sound power level, indoors/outdoors	L _{WA}	-/59	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h
Annual energy consumption	Q _{HE}	4056	kWh	heat exchanger			

For heat pump combination heater:										
Declared load profile		-			Water heating energy efficiency	η _{wh}	-	%		
Daily electricity consumption	Q _{clec}	-	kWh		Daily fuel consumption	Q _{fuel}	-	kWh		
Annual electricity consumption	AEC	-	kWh		Annual fuel consumption	AFC	-	GJ		
Contact details GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)										

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

Model(s):	MLI008HMAA
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	COLDER

Parameters are declared for medium-temperature application.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	5.8	kW	Seasonal space heating energy efficie	r cy ηs	112.0	%	
Declared capacity for heating for part load a and outdoor temperature Tj	t indoor temp	perature 20 °C	;	Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj				
Tj = -7℃	Pdh	3.86	kW	Tj = -7℃	COPd	2.48	-	
Tj = 2℃	Pdh	2.21	kW	Tj = 2℃	COPd	3.35	-	
Tj = 7℃	Pdh	1.44	kW	Tj = 7℃	COPd	4.11	-	
Tj = 12℃	Pdh	1.46	kW	Tj = 12℃	COPd	5.92	-	
Tj = bivalent temperature	Pdh	4.71	kW	Tj = bivalent temperature	COPd	1.90	-	
Tj = operating limit	Pdh	2.80	kW	Tj = operating limit	COPd	1.22	-	
For air-to-water heat pumps: Tj = -15 $^\circ\!\mathrm{C}$	Pdh	-	kW	For air-to-water heat pumps: Tj = -15%	COPd	-	-	
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperat	Ire WTOL	51	°C	
Power consumption in modes other than ac	tive mode			Supplementary heater				
Off mode	Poff	0.014	kW	Rated heat output (**)	Pour	2.07		
Standby mode	Psb	0.014	kW		r sup	2.97	KVV	
Thermostat-off mode	Pto	0.024	kW	Type of energy input		Electrical		
Crankcase heater mode	Pck	0.000	kW	1, yes of chorgy input		Electrical		

Other items								
Capacity control		variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	4030	m³/h
Sound power level, indoors/outdoors	L _{WA}	-	dB		For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h
Annual energy consumption	Q _{HE}	4950	kWh		heat exchanger			

For heat pump combination heater:										
Declared load profile		-			Water heating energy efficiency	η _{wh}	-	%		
Daily electricity consumption	Q _{clec}	-	kWh		Daily fuel consumption	Q _{fuel}	-	kWh		
Annual electricity consumption	AEC	-	kWh	1	Annual fuel consumption	AFC	-	GJ		
Contact details GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)										

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

Model(s):	MLI008HMAA
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	7.6	kW	Seasonal space heating energy efficiency	ηs	175.8	%	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or prim indoor temperature 20 °C and outdoor temp	ary energy ra perature Tj	itio for part loa	d at	
Tj = -7℃	Pdh	-	kW	Tj = -7℃	COPd	-	-	
Tj = 2℃	Pdh	7.55	kW	Tj = 2℃	COPd	2.59	-	
Tj = 7℃	Pdh	4.86	kW	Tj = 7℃	COPd	3.92	-	
Tj = 12℃	Pdh	2.31	kW	Tj = 12°C	COPd	5.55	-	
Tj = bivalent temperature	Pdh	4.86	kW	Tj = bivalent temperature	COPd	3.92	-	
Tj = operating limit	Pdh	7.55	kW	Tj = operating limit	COPd	2.59	-	
For air-to-water heat pumps: Tj = -15 $^\circ\!\!\mathrm{C}$	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^\circ\!\!\mathbb{C}$	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	62	°C	
Power consumption in modes other than ac	tive mode			Supplementary heater				
Off mode	Poff	0.014	kW	Rated heat output (**)	Paup	0		
Standby mode	Psb	0.014	kW	Kaled heat output ()	i sup	U	KVV	
Thermostat-off mode	Pto	0.024	kW	Type of energy input		Electrical		
Crankcase heater mode	Pck	0.000	kW			Lieunda		
Other items								

Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4030	m³/h
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h
Annual energy consumption	Q _{HE}	2259	kWh	heat exchanger			

For heat pump combination heater:										
Declared load profile	-				Water heating energy efficiency	^ŋ wh	-	%		
Daily electricity consumption	Q _{clec}	-	kWh	Vh Vh	Daily fuel consumption	Q _{fuel}	-	kWh		
Annual electricity consumption	AEC	-	kWh		Annual fuel consumption	AFC	-	GJ		

Contact details

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

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

		Tecl	hnical	F	parameters					
Model(s):					MLI010HMAA					
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-t	emperature	e application	application.							
		_						-		
Item	Symbol	Value	Value Unit Item Symbol Value							
Rated heat output (*)	Prated	7.7	kW		Seasonal space heating energy efficiency	ηs	136.6	%		

kW

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Rated heat output (*)	Prated	7.7	kW	Seasonal space heating energy efficiency	ηs	136.6	9
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor tem	perature 20 °C	Declared coefficient of performance or primary energy ratio for part load a indoor temperature 20 °C and outdoor temperature Tj				
Tj = -7℃	Pdh	6.78	kW	Tj = -7 ℃	COPd	2.24	
Tj = 2℃	Pdh	4.28	kW	Tj = 2℃	COPd	3.42	
Tj = 7℃	Pdh	2.77	kW	Tj = 7℃	COPd	4.52	
Tj = 12℃	Pdh	1.58	kW	Tj = 12℃	COPd	5.68	
Tj = bivalent temperature	Pdh	6.78	kW	Tj = bivalent temperature	COPd	2.24	
Tj = operating limit	Pdh	5.38	kW	Tj = operating limit	COPd	1.83	
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	0
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	60	•
Power consumption in modes other than ac	tive mode			Supplementary heater			
Off mode	Poff	0.014	kW	Pated heat output (**)	Paura	0.00	
Standby mode	Psb	0.014	kW		r sup	2.29	ĸ
Thermostat-off mode	Pto	0.024	kW	Type of energy input		Electrical	
Crankcase heater mode	Pck	0.000	kW	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Lioothoai	

Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4030	m³/h
Sound power level, indoors/outdoors	L _{WA}	-/60	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	Q _{HE}	4539	kWh				
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%
Daily electricity consumption	Q _{clec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)							

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

	Technical parameters
Model(s):	MLI010HMAA
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	COLDER
Parameters are declared for medium-temperat	ure application.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heat output (*)	Prated	6.7	kW	Seasonal space heating energy efficiency	ηs	116.4	%	
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor temp	perature 20 °C	;	Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj				
Tj = -7℃	Pdh	4.27	kW	Tj = −7°C	COPd	2.54	-	
Tj = 2℃	Pdh	2.57	kW	Tj = 2℃	COPd	3.51	-	
Tj = 7℃	Pdh	1.65	kW	Tj = 7℃	COPd	4.37	-	
Tj = 12℃	Pdh	1.47	kW	Tj = 12℃	COPd	5.96	-	
Tj = bivalent temperature	Pdh	5.47	kW	Tj = bivalent temperature	COPd	2.00	-	
Tj = operating limit	Pdh	2.80	kW	Tj = operating limit	COPd	1.22	-	
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	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C	
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-	
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	51	°C	
Power consumption in modes other than ac	tive mode			Supplementary heater				
Off mode	Poff	0.014	kW	Botod boot output (**)	D	2.04	1-147	
Standby mode	Psb	0.014	kW		Fsup	3.91	KVV	
Thermostat-off mode	Pto	0.024	kW	Type of energy input		Electrical		
Crankcase heater mode	Pck	0.000	kW	·)po or one gy input		Liootiloui		
Other items								
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4030	m³/h	
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h	
Annual energy consumption	Q _{HE}	5540	kWh	heat exchanger				
For heat pump combination heater:								
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%	

Declared load profile		-			Water heating energy efficiency	η _{wh}	-	%
Daily electricity consumption	Q _{clec}	-	kWh		Daily fuel consumption	Q _{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh		Annual fuel consumption	AFC	-	GJ

Contact details

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

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

	Technical parameters
Model(s):	MLI010HMAA
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.

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Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8.6	kW	Seasonal space heating energy efficiency	ηs	180.3	%
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor tem	perature 20 °C	;	Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 $^\circ C$ and outdoor temperature Tj			
Tj = −7 °C	Pdh	-	kW	Tj = -7℃	COPd	-	-
Tj = 2℃	Pdh	8.06	kW	Tj = 2℃	COPd	2.59	-
Tj = 7℃	Pdh	5.54	kW	Tj = 7℃	COPd	4.10	-
Tj = 12℃	Pdh	2.53	kW	Tj = 12℃	COPd	5.82	-
Tj = bivalent temperature	Pdh	5.54	kW	Tj = bivalent temperature	COPd	4.10	-
Tj = operating limit	Pdh	8.15	kW	Tj = operating limit	COPd	2.61	-
For air-to-water heat pumps: Tj = -15 $^\circ\!\!\!{}^\circ\!\!\!{}^\circ\!\!\!{}^\circ$	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	62	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0.014	kW	Poted boot output (**)	D	0.40	1.3.47
Standby mode	Psb	0.014	kW	Kaled heat output ()	⊢sup	0.48	KVV
Thermostat-off mode	Pto	0.024	kW	Type of energy input		Electrical	
Crankcase heater mode	Pck	0.000	kW	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2.000.000	
Other items							
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4030	m³/h
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h
Annual energy consumption	Q _{HE}	2516	kWh	heat exchanger			
For heat pump combination heater:							
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%
Daily electricity consumption	Q _{clec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)							

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

	Technical parameters
Model(s):	MLI012HMAA
Air-to-water heat pump:	YES
Water-to-water heat pump:	NO
Brine-to-water heat pump:	NO
Low-temperature heat pump:	NO
Equipped with a supplementary heater:	NO
Heat pump combination heater:	NO
Declared climate condition:	AVERAGE
Parameters are declared for medium-temperature	e application.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	11.6	kW	Seasonal space heating energy efficiency	ηs	135.1	%
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor tem	perature 20 °C	;	Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 $^\circ C$ and outdoor temperature Tj			
Tj = -7℃	Pdh	10.24	kW	Tj = -7 ℃	COPd	2.01	-
Tj = 2℃	Pdh	6.52	kW	Tj = 2℃	COPd	3.44	-
Tj = 7℃	Pdh	4.36	kW	Tj = 7℃	COPd	4.59	-
Tj = 12°C	Pdh	3.29	kW	Tj = 12℃	COPd	6.05	-
Tj = bivalent temperature	Pdh	10.24	kW	Tj = bivalent temperature	COPd	2.01	-
Tj = operating limit	Pdh	9.10	kW	Tj = operating limit	COPd	1.79	-
For air-to-water heat pumps: Tj = -15 $^\circ\!\!\!{\rm C}$	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 active mode			Supplementary heater				
Off mode	Poff	0.014	kW	Rated heat output (**)	Psup	1.00	LAM.
Standby mode	Psb	0.014	kW		1 Sup	1.23	KVV
Thermostat-off mode	Pto	0.024	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	-	4060	m³/h
Sound power level, indoors/outdoors	L _{WA}	-/65	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h
Annual energy consumption	Q _{HE}	6927	kWh	heat exchanger			
For boot nump combination bootor:							
				Water besting energy officiancy	n		0/
Deily electricity consumption	0.	-	L/M/b	Doily fuel concumption	¹ wh	-	%
		-	KVVII		Q fuel	-	KVVII
Annual electricity consumption		-	kWh		AFC	-	GJ
Contact details	GD Midea	Heating & Ver	ntilating Ed	quipment Co. Ltd			

(Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)

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

		Tecl	nnical	parameters							
Model(s):				MLI012HMAA							
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:				COLDER							
Parameters are declared for medium-	temperature	e application	pplication.								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output (*)	Prated	10.3	kW	Seasonal space heating energy efficiency	ηs	117.8	%				
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 temp	ary energy ra perature Tj	tio for part loa	ad at				
Tj = -7℃	Pdh	6.63	kW	Tj = -7℃	COPd	2.63	-				
Tj = 2°C	Pdh	4.06	kW	Tj = 2℃	COPd	3.60	-				
Tj = 7℃	Pdh	2.78	kW	T j = 7 ℃	COPd	4.54	-				
Tj = 12°C	Pdh	3.33	kW	Tj = 12℃	COPd	6.25	-				
Tj = bivalent temperature	Pdh	8.41	kW	Tj = bivalent temperature	COPd	1.84	-				
Tj = operating limit	Pdh	4.19	kW	Tj = operating limit	COPd	1.13	-				
For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	-				
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C				
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient (**)	Cdh	0.9		Heating water operating limit temperature	WTOL	51	°C				
Power consumption in modes other than ac	tive mode	•		Supplementary heater	1	•					
Off mode	Poff	0.014	kW	Doted boot output (**)		0.11					
Standby mode	Psb	0.014	kW	Rated heat output (**)	Psup	6.11	KVV				
Thermostat-off mode	Pto	0.024	kW	Type of energy input		Electrical					
Crankcase heater mode	Pck	0.000	kW			Liectrical					
Othersiteme											
Other items				For air to water heat numpe:							
Capacity control		variable		Rated air flow rate, outdoors	-	4060	m³/h				
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h				
Annual energy consumption	Q _{HE}	8419	kWh	heat exchanger							
For heat pump combination heater:											
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%				
Daily electricity consumption	Q _{clec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh				
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ				
Contact details (*) For heat pump space heaters and	GD Midea (Penglai ind	Heating & Ver dustry road, B	ntilating Eq eijiao, Shu	uipment Co. Ltd nde, Foshan, Guangdong, P.R China) the rated beat output Prated is equal to th	ne design la	ad for heati	ina				

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):			MLI012HMAA								
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	r:			NO							
Heat pump combination heater:				NO							
Declared climate condition:				WARMER							
Parameters are declared for medium-	temperature	application	pplication.								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output (*)	Prated	12.5	kW	Seasonal space heating energy efficiency	ηs	174.0	%				
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor temp	oerature 20 °C	;	Declared coefficient of performance or prim indoor temperature 20 °C and outdoor temp	ary energy ra perature Tj	tio for part loa	ıd at				
Tj = -7℃	Pdh	-	kW	Tj = -7 ℃	COPd	-	-				
Tj = 2°℃	Pdh	12.07	kW	Tj = 2℃	COPd	2.31	-				
Tj = 7℃	Pdh	8.04	kW	Tj = 7℃	COPd	3.86	-				
Tj = 12℃	Pdh	3.75	kW	Tj = 12℃	COPd	5.70	-				
Tj = bivalent temperature	Pdh	8.04	kW	Tj = bivalent temperature	COPd	3.86	-				
Tj = operating limit	Pdh	12.07	kW	Tj = operating limit	COPd	2.31	-				
For air-to-water heat pumps: Tj = -15 $^\circ\!\!\mathbb{C}$	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ 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	62	°C				
Power consumption in modes other than ac	ctive mode			Supplementary heater			<u> </u>				
Off mode	Poff	0.014	kW								
Standby mode	Psb	0.014	kW	Rated heat output (**)	Psup	0.43	kW				
Thermostat-off mode	Pto	0.024	kW	Tupo of operativity		Flectricol					
Crankcase heater mode	Pck	0.000	kW			Electricar					
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4060	m³/h				
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h				
Annual energy consumption	Q _{HE}	3776	kWh	heat exchanger							
For heat pump combination heater:											
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%				
Daily electricity consumption	Q _{clec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh				
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ				
Contact details	GD Midea I (Penglai ind	Heating & Ven dustry road, Be	ıtilating Equ eijiao, Shu	uipment Co. Ltd nde, Foshan, Guangdong, P.R China)							
(*) For heat pump space heaters and Pdesignh, and the rated heat outp	heat pump ut of a supp	combination	heaters, eater Psu	the rated heat output Prated is equal to the supplementary capacity	he design lo	oad for heati sup(Tj).	ng				

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

		Tech	nical	parameters								
Model(s):			MLI016HMAA									
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-t	temperature	application	pplication.									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output (*)	Prated	13.0	kW	Seasonal space heating energy efficiency	ηs	133.3	%					
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 temp	ary energy ra perature Tj	tio for part loa	ıd at					
Tj = −7°C	Pdh	11.52	kW	Tj = -7 ℃	COPd	1.99	-					
Tj = 2°C	Pdh	7.18	kW	Tj = 2°C	COPd	3.34	-					
Tj = 7℃	Pdh	4.67	kW	Tj = 7℃	COPd	4.61	-					
Tj = 12℃	Pdh	3.31	kW	Tj = 12℃	COPd	6.07	-					
Tj = bivalent temperature	Pdh	11.52	kW	Tj = bivalent temperature	COPd	1.99	-					
Tj = operating limit	Pdh	10.33	kW	Tj = operating limit	COPd	1.80	-					
For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ 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	0.014	kW			2.00						
Standby mode	Psb	0.014	kW	Rated neat output (***)	Psup	2.68	kvv					
Thermostat-off mode	Pto	0.024	kW			Electrical						
Crankcase heater mode	Pck	0.000	kW			Electrica						
Other items												
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m³/h					
Sound power level, indoors/outdoors	L _{WA}	-/68	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h					
Annual energy consumption	Q _{HE}	7895	kWh	heat exchanger								
For heat pump combination heater:												
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%					
Daily electricity consumption	Q _{clec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh					
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ					
Contact details	GD Midea I	Heating & Ven	ntilating Equ	uipment Co. Ltd								
(*) For heat pump space heaters and	heat pump	combination	heaters,	the rated heat output Prated is equal to the	ne design lo	bad for heati	na					
Pdesignh, and the rated heat output	ut of a supp	lementary h	eater Psu	ip is equal to the supplementary capacity	for heating	sup(Tj).	0					

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

Technical parameters											
Model(s):				MLI016HMAA							
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:				COLDER							
Parameters are declared for medium-	temperature	application									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output (*)	Prated	11.8	kW	Seasonal space heating energy efficiency	ηs	121.8	%				
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 temp	ary energy ra perature Tj	tio for part loa	ıd at				
Tj = −7°C	Pdh	7.64	kW	Tj = -7 ℃	COPd	2.65	-				
Tj = 2°C Pdh 4.42 kW Tj = 2°C COPd 3.79 -											
Tj = 7℃	Pdh	2.97	kW	Tj = -7°C COPd 2.65 Tj = 2°C COPd 3.79 Tj = 7°C COPd 4.81							
Tj = 12℃	Pdh	3.43	kW	Tj = 12℃	COPd	6.29	-				
Tj = bivalent temperature	Pdh	9.61	kW	Tj = bivalent temperature	COPd	1.86	-				
Tj = operating limit	Pdh	5.21	kW	COPd	1.23	-					
For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	Pdh	-	kW	COPd	-	-					
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C				
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient (**)	Cdh	0.9		WTOL	51	°C					
Power consumption in modes other than ac	ctive mode			Supplementary heater							
Off mode	Poff	0.014	kW		5	2.50					
Standby mode	Psb	0.014	kW	Rated heat output (**)	Psup	6.59	kvv				
Thermostat-off mode	Pto	0.024	kW	Tupe of energy input		Electrical					
Crankcase heater mode	Pck	0.000	kW			Electrical					
				1							
Other items					[
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m³/h				
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h				
Annual energy consumption	Q _{HE}	9309	kWh	neat exchanger							
For heat pump combination heater:	or heat pump combination heater:										
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%				
Daily electricity consumption	Q _{clec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh				
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ				
Contact details GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)											
(*) For heat pump space heaters and	heat pump	combination	heaters,	the rated heat output Prated is equal to the	ne design lo	bad for heati	ng				

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.

		Tecl	nnical	parameters						
Model(s):				MLI016HMAA						
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	e application	-							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated heat output (*)	Prated	13.8	kW	Seasonal space heating energy efficiency	ηs	176.1	%			
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 temp	ary energy ra perature Tj	itio for part loa	ad at			
Tj = -7℃	Pdh	-	kW	Tj = -7℃	COPd	-	-			
Tj = 2℃	Pdh	13.38	kW	Tj = 2℃	COPd	2.29	-			
Tj = 7℃	Pdh	8.86	kW	Tj = 7℃	COPd	3.84	-			
Tj = 12°C	Pdh	4.06	kW	Tj = 12℃	COPd	5.86	-			
Tj = bivalent temperature	Pdh	8.86	kW	Tj = bivalent temperature	COPd	3.84	-			
Tj = operating limit	Pdh	13.38	kW	Tj = operating limit	COPd	2.29	-			
For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ 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	62	°C			
Power consumption in modes other than ac	tive mode	•		Supplementary heater		1				
Off mode	Poff	0.014	kW		_					
Standby mode	Psb	0.014	kW	Rated heat output (**)	Psup	0.42	KVV			
Thermostat-off mode	Pto	0.024	kW	Type of energy input		Electrical				
Crankcase heater mode	Pck	0.000	kW			Electrical				
Other items										
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m³/h			
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h			
Annual energy consumption	Q _{HE}	4112	kWh	heat exchanger						
For heat pump combination heater:										
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%			
Daily electricity consumption	Q _{clec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh			
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ			
Contact details	GD Midea (Penglai in	Heating & Ver	ntilating Equ	uipment Co. Ltd Ide, Foshan, Guangdong, P.R China)						
(*) For heat pump space heaters and Pdesignh, and the rated heat outp (**) If Cdh is not determined by measu	heat pump ut of a supp urement the	combination lementary h	heaters, eater Psu t degrada	the rated heat output Prated is equal to the supplementary capacity tion coefficient is Cdh = 0,9.	he design lo for heating	oad for heat sup(Tj).	ing			

		Tecł	nical	parameters								
Model(s):				MLI016H0AA								
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	<u>. </u>									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit					
Rated heat output (*)	Prated	13.0	kW	Seasonal space heating energy efficiency	ηs	133.2	%					
Declared capacity for heating for part load a and outdoor temperature Tj	at indoor temp	perature 20 °C	;	Declared coefficient of performance or prima indoor temperature 20 °C and outdoor temp	ary energy ra perature Tj	itio for part loa	d at					
Tj = -7℃	Pdh	11.52	kW	Tj = -7℃	COPd	1.99	-					
Tj = 2℃	Pdh	7.18	kW	Tj = 2℃	COPd	3.34	-					
Ti = 7℃	Pdh	4.67	kW	Ti = 7℃	COPd	4.61	-					
Ti = 12℃	Pdh	3.31	kW	Ti = 12℃	COPd	6.07	-					
Tj = bivalent temperature	Pdh	11.52	kW	Tj = bivalent temperature	COPd	1.99	-					
Tj = operating limit	Pdh	10.33	kW	Tj = operating limit	COPd	1.80	-					
For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	Pdh	-	kW	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		60	°C							
Power consumption in modes other than ac	tive mode			Supplementary heater								
Off mode	Poff	0.020	kW									
Standby mode	Psb	0.020	kW	Rated heat output (^^)	Psup	2.67	kW					
Thermostat-off mode	Pto	0.030	kW			Electrical						
Crankcase heater mode	Pck	0.000	kW			Electrica						
Other items												
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	4650	m³/h					
Sound power level, indoors/outdoors	L _{WA}	-/68	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h					
Annual energy consumption	Q _{HE}	7896	kWh	heat exchanger								
For heat pump combination heater:												
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%					
Daily electricity consumption	Q _{clec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh					
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ					
Contact details	Contact details GD Midea Heating & Ventilating Equipment Co. Ltd (Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)											
(*) For heat pump space heaters and Pdesignh, and the rated heat outp	heat pump ut of a supp	combination	heaters, eater Psu	the rated heat output Prated is equal to the p is equal to the supplementary capacity	he design lo for heating	ad for heating sup(Tj).	ng					

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

		Tecl	nnical	parameters							
Model(s):			MLI016H0AA								
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	e application									
	-										
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated heat output (*)	Prated	11.8	kW	Seasonal space heating energy efficiency	ηs	121.8	%				
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 temp	ary energy ra perature Tj	itio for part loa	ad at				
Tj = -7℃	Pdh	7.64	kW	Tj = -7℃	COPd	2.65	-				
Tj = 2℃	Pdh	4.42	kW	Tj = 2℃	COPd	3.79	-				
Tj = 7℃	Tj = 7 ℃	COPd	4.81	-							
Tj = 12℃	Pdh	3.43	Tj = 12℃	COPd	6.29	-					
Tj = bivalent temperature	Pdh	9.61	kW	Tj = bivalent temperature	COPd	1.86	-				
Tj = operating limit	Pdh	5.21	kW	COPd	1.23	-					
For air-to-water heat pumps: Ti = -15° C	Pdh	-	kW	For air-to-water heat pumps: Ti = -15° C	COPd	-	-				
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C				
Cycling interval capacity for heating	Pcych	-	kW	Cycling interval efficiency	COPcyc	-	-				
Degradation co-efficient (**)	Cdh	0.9	0.9 Heating water operating limit temperature WTOL				°C				
Power consumption in modes other than ac	tive mode			Supplementary heater	1		1				
Off mode	Poff	0.020	kW								
Standby mode	Psb	0.020	kW	Rated heat output (**)	Psup	6.59	kW				
Thermostat-off mode	Pto	0.030	kW								
Crankcase heater mode	Pck	0.000	kW	I ype of energy input		Electrical					
Other items	I				T						
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	465 0	m³/h				
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	-	-	m³/h				
Annual energy consumption	Q _{HE}	9310	kWh	neat exchanger							
For heat pump combination heater:											
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%				
Daily electricity consumption	Q _{clec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh				
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ				
Contact details	GD Midea	Heating & Ver	ntilating Eq	uipment Co. Ltd			•				
(Penglai industry road, Beijiao, Shunde, Foshan, Guangdong, P.R China)											
(*) For heat pump space heaters and Pdesignh, and the rated heat outp	heat pump ut of a supp	combinatior lementary h	ι heaters, eater Ρsι	the rated heat output Prated is equal to the supplementary capacity	he design lo for heating	oad for heati sup(Tj).	ng				

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

		Tecl	hnical	parameters	Technical parameters											
Model(s):				MLI016H0AA												
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	1													
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit									
Rated heat output (*)	Prated	13.8	kW	ηs	175.9	%										
Declared capacity for heating for part load a and outdoor temperature Tj	it indoor temp	erature 20 °C	;	Declared coefficient of performance or prima indoor temperature 20 °C and outdoor temp	ary energy ra perature Tj	itio for part loa	ad at									
Tj = -7℃	Pdh	-	kW	Tj = -7℃	COPd	-	-									
Tj = 2℃	Pdh	13.38	kW	Tj = 2℃	COPd	2.29	-									
Tj = 7℃	Pdh	8.86	kW	Tj = 7℃	COPd	3.84	-									
Tj = 12℃	Pdh	4.06	kW	Tj = 12℃	COPd	5.86	-									
Tj = bivalent temperature	Pdh	8.86	kW	Tj = bivalent temperature	COPd	3.84	-									
Tj = operating limit	Pdh	13.38	kW	Tj = operating limit	COPd	2.29	-									
For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ 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	62	°C									
Power consumption in modes other than ac	tive mode		Supplementary heater													
Off mode	Poff	0.014	kW			2.40										
Standby mode	Psb	0.014	kW	Rated heat output (**)	Psup	KVV										
Thermostat-off mode	Pto	0.029	kW		Electrical											
Crankcase heater mode	Pck	0.000	kW													
Otheritema																
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	465 0	m³/h									
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor	_		m ³ /h									
Annual energy consumption	Q _{HE}	4116	kWh	heat exchanger												
For heat pump combination heater:																
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%									
Daily electricity consumption	Q _{clec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh									
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ									
			· · · ·													
Contact details	GD Midea H (Penglai inc	Heating & Ven Justry road, B	ntilating Equ eijiao, Shur	uipment Co. Ltd nde, Foshan, Guangdong, P.R China)												
(*) For heat pump space heaters and Pdesignh, and the rated heat outp	heat pump ut of a supp	combination lementary h	i heaters, eater Psu	the rated heat output Prated is equal to the up is equal to the supplementary capacity to the su	ne design lo for heating :	oad for heati sup(Tj).	ing									

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Model(s):			MLI006HMAA							
Outdoor side heat e	exchanger of c	hiller:	Air to water							
Indoor side heat ex	changer chille	r:	Water							
Туре:			Compressor driven vapour compression							
Driver of compress	or:		Electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P _{rated,c}	6.3	kW	kW Seasonal space cooling energy efficiency n _{s,c} 210.7						
Declared cooling of temperature Tj	apacity for pa	rt load at giver	n outdoor	Declared energy ef outdoor temperature	fficiency ratio f re Tj	or part load at	given			
Tj =+35 ℃	P _{dc}	6.35	kW	Tj=+35℃	EER₀	2.93	-			
Tj=+30℃	P _{dc}	4.76	kW	Tj=+30℃	EER₫	4.53	-			
Tj=+25℃	P _{dc}	3.02	kW	Tj=+25℃	EER₫	6.32	-			
Tj=+20℃	P _{dc}	1.39	kW	Tj=+20 ℃	EERd	7.20	-			
Degradation co-efficient for chillers (*)	C _{dc}	0.9	-							
		Power cons	sumption in mo	des other than "active	mode"					
Off mode	POFF	0.014	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	Рто	0.010	kW	Standby mode	P _{SB}	0.014	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:	_	2770	m ³ /h			
Sound power level, indoors /outdoors	L_WA	-/60	dB	air flow rate, outdoor measured	-	2770	111 /11			
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-water chillers: Rated brine or	-	-	m³/h			
GWP of the refrigerant	-	675	kg CO _{2 eq} (100years)	water flow rate, outdoor side heat exchanger						
Standard rating co	nditions used	Low tempera	rature application							
Contact details		GD Midea H Penglai indu	Heating & Ventilating Equipment Co. , Ltd. lustry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China							
(*) If Cdc is not det (**) From 26 Sept	ermined by m ember 2018.	easurement th	en the default o	degradation coefficient	t of chillers sha	all be 0,9.				

Model(s):			MLI006HMAA								
Outdoor side heat e	exchanger of c	hiller:	Air to water								
Indoor side heat ex	changer chille	r:	Water								
Туре:			Compressor driven vapour compression								
Driver of compress	or:		Electric motor								
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit				
Rated cooling capacity	P _{rated,c}	6.5	kW	Seasonal space cooling energy efficiency	η _{s,c}	325.2	%				
Declared cooling of temperature Tj	capacity for pa	rt load at giver	n outdoor	Declared energy e outdoor temperatu	fficiency ratio f re Tj	or part load at	given				
Tj=+35℃	P _{dc}	6.55	kW	Tj =+35 ℃	EER₀	4.69	-				
Tj=+30℃	P _{dc}	4.84	kW	Tj =+30 ℃	EERd	7.16	-				
Tj=+25℃	P _{dc}	3.26	kW	Tj =+25 ℃	EER₫	9.64	-				
Tj=+20℃	P _{dc}	1.41	kW	Tj=+20℃	EERd	11.48	-				
Degradation co-efficient for chillers (*)	C _{dc}	0.9	-								
		Power cons	sumption in mo	des other than "active	mode"						
Off mode	P _{OFF}	0.014	kW	Crankcase heater mode	Р _{СК}	0.000	kW				
Thermosat-off mode	P _{TO}	0.010	kW	Standby mode	P_{SB}	0.014	kW				
			Othe	er items							
Capacity control		variable		For air-to-water comfort chillers:		2770	m ³ /h				
Sound power level, indoors /outdoors	Lwa	-/58	dB	air flow rate, outdoor measured	-	2110	111711				
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-wate chillers: Rated brine o	-	-	m³/h				
GWP of the refrigerant	-	675	kg CO _{2 eq} (100years)	water flow rate, outdoor side heat exchanger			,				
Standard rating co	onditions used	Medium tem	nperature application								
Contact details		GD Midea H Penglai indu	leating & Ventilating Equipment Co. , Ltd. ustry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China								
(*) If Cdc is not der (**) From 26 Sept	termined by m ember 2018.	easurement th	en the default	degradation coefficien	t of chillers sha	all be 0,9.					

Model(s):	MLI008HMA	MLI008HMAA								
Outdoor side heat e	exchanger of c	:hiller:	Air to water							
Indoor side heat ex	changer chille	er:	Water							
Туре:			Compressor driven vapour compression							
Driver of compress	or:		Electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated cooling capacity	P _{rated,c}	7.4	kW		Seasonal space cooling energy efficiency	η _{s,c}	230.1	%		
Declared cooling c temperature Tj	apacity for par	rt load at given	outdoor		Declared energy ef outdoor temperature	fficiency ratio f	or part load at	given		
Tj=+35℃	P _{dc}	7.38	kW		Tj =+35 ℃	EER₫	3.39	-		
Tj=+30℃	P _{dc}	5.72	kW		Tj =+30 ℃	EER₀	4.71	-		
Tj=+25°C P _{dc} 3.62 kW					Tj=+25℃	EERd	6.65	-		
Tj=+20°C P _{dc} 1.64 kW					Tj=+20℃	EERd	8.55	-		
Demodetion of officient										
for chillers (*)	C _{dc}	0.9	-							
		Power cons	sumption in mod	des	s other than "active	mode"				
Off mode	P _{OFF}	0.014	kW		Crankcase heater mode	Рск	0.000	kW		
Thermosat-off mode	P _{TO}	0.010	kW		Standby mode	P _{SB}	0.014	kW		
			Othe	er it	tems					
Capacity control		variable			For air-to-water comfort chillers:		4020	~ ³ /h		
Sound power level, indoors /outdoors	L _{WA}	-/60	dB		air flow rate, outdoor measured	-	4000	1117/11		
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV		For water / brine-to-wate chillers: Rated brine o	_	_	m ³ /h		
GWP of the refrigerant	675	kg CO2 eq (100years)		water flow rate, outdoo side heat exchanger						
Standard rating co	Low tempera	rature application								
Contact details		GD Midea H Penglai indu	Heating & Ventilating Equipment Co. , Ltd. ustry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China							
(*) If Cdc is not det (**) From 26 Sept	ermined by me ember 2018.	easurement the	en the default c	deg	gradation coefficient	of chillers sha	ıll be 0,9.			

Model(s):			MLI008HMA	MLI008HMAA							
Outdoor side heat e	exchanger of c	:hiller:	Air to water								
Indoor side heat ex	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 _{rated,c}	8.4	kW	Seasonal space cooling energy efficiency	η _{s,c}	355.1	%				
Declared cooling capacity for part load at give temperature Tj			n outdoor	Declared energy ef outdoor temperatur	ficiency ratio f re Tj	or part load at	given				
Tj=+35℃	P _{dc}	8.37	kW	Tj=+35℃	EER₀	5.09	-				
Tj=+30℃	P _{dc}	6.47	kW	Tj =+30 ℃	EER₫	7.02	-				
Tj=+25℃	P _{dc}	4.31	kW	Tj=+25℃	EER₫	10.67	-				
Tj=+20°C P _{dc} 1.80			kW	Tj =+20 ℃	EERd	13.61	-				
			· · · ·	 							
Degradation co-efficient for chillers (*)	C _{dc}	0.9	-								
		Power cons	sumption in mo	des other than "active r	mode"						
Off mode	P _{OFF}	0.014	kW	Crankcase heater mode	Рск	0.000	kW				
Thermosat-off mode	Рто	0.010	kW	Standby mode	P _{SB}	0.014	kW				
			Othe	ritems							
Capacity control		variable		For air-to-water comfort chillers:		4020	3/b				
Sound power level, indoors /outdoors	Lwa	-/60	dB	air flow rate, outdoor measured	-	4030	mγn				
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine-to-wate chillers: Rated brine or			m ³ /h				
GWP of the refrigerant	GWP of the - 675			water flow rate, outdoor side heat exchanger	-	-					
Standard rating co	nditions used	Medium tem	perature applic	ation							
Contact details		GD Midea H Penglai indu	leating & Ventilating Equipment Co. , Ltd. ustry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China								
(*) If Cdc is not det (**) From 26 Septe	ermined by m [,] ember 2018.	easurement th	en the default d	Jegradation coefficient	of chillers sha	III be 0,9.					

Model(s): MLI010HMA					010HMAA						
Outdoor side heat e	exchanger of c	hiller:	Air to water	Air to water							
Indoor side heat ex	changer chille	r:	Water	Vater							
Туре:			Compressor driven vapour compression								
Driver of compress	or:		Electric motor								
Item	Item Symbol Value Unit					Symbol	Value	Unit			
Rated cooling capacity	P _{rated,c}	8.7	kW	ľ	Seasonal space cooling energy efficiency	ា s,c	236.2	%			
Declared cooling of temperature Tj	capacity for pa	rt load at giver	n outdoor	ſ	Declared energy ef outdoor temperature	fficiency ratio f re Tj	or part load at	given			
Tj=+35℃	P _{dc}	8.73	kW		Tj =+35 ℃	EER₫	3.21	-			
Tj=+30℃	P _{dc}	6.68	kW		Tj =+30 ℃	EERd	4.47	-			
Tj=+25℃	25°C P _{dc} 4.26 kW				Tj=+25℃	EER₫	7.02	-			
Tj=+20℃	P _{dc}	1.94	kW		Tj=+20℃	EERd	9.54	-			
Degradation co-efficient for chillers (*)	C _{dc}	0.9	-								
		Power cons	sumption in mo	des	s other than "active	mode"					
Off mode	POFF	0.014	kW		Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	Рто	0.010	kW		Standby mode	P _{SB}	0.014	kW			
			Othe	er it	tems						
Capacity control		variable			For air-to-water comfort chillers:		4030	m ³ /h			
Sound power level, indoors /outdoors	Lwa	-/60	dB		air flow rate, outdoor measured	-	4000	111 /11			
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV		For water / brine-to-wate chillers: Rated brine o	-	_	m ³ /h			
GWP of the refrigerant	GWP of the - 675 refrigerant				water flow rate, outdool side heat exchanger						
Standard rating co	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 det (**) From 26 Septe	ermined by m ember 2018.	easurement th	en the default o	deg	gradation coefficient	of chillers sha	III be 0,9.				

Model(s):		MLI010HMA	MLI010HMAA								
Outdoor side heat e	exchanger of c	hiller:	Air to water								
Indoor side heat ex	changer chille	r:	Water								
Туре:			Compressor driven vapour compression								
Driver of compress	or:		Electric moto	Electric motor							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit			
Rated cooling capacity	P _{rated,c}	10.0	kW		Seasonal space cooling energy efficiency	η _{s,c}	348.1	%			
Declared cooling c temperature Tj	rt load at given	ı outdoor		Declared energy ef outdoor temperatur	ficiency ratio f re Tj	or part load at	given				
Tj=+35℃	P _{dc}	10.01	kW		Tj=+35℃	EERd	4.64	-			
Tj=+30℃	7.71	kW		Tj=+30℃	EER₫	6.45	-				
Tj=+25℃	5.03	kW		Tj=+25℃	EER₀	10.36	-				
Tj=+20°C P _{dc} 2.32			kW		Tj=+20 ℃	EERd	14.98	-			
Degradation co-efficient for chillers (*)	C_{dc}	0.9	-								
		Power cons	sumption in mo	de	s other than "active	mode"					
Off mode	Poff	0.014	kW		Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	Рто	0.010	kW		Standby mode	P _{SB}	0.014	kW			
			Othe	er it	tems						
Capacity control		variable		Π	For air-to-water comfort chillers:			0.5			
Sound power level, indoors /outdoors	Lwa	-/60	dB		air flow rate, outdoor measured	-	4030	m୬/ከ			
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV		For water / brine-to-wate chillers: Rated brine or			m ³ /h			
GWP of the refrigerant	GWP of the - 675 refrigerant				water flow rate, outdoor side heat exchanger	-					
Standard rating co	Medium tem	perature applic	cati	ion							
Contact details	GD Midea H Penglai indu	leating & Ventilating Equipment Co. , Ltd. ustry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China									
(*) If Cdc is not det (**) From 26 Sept	ermined by me ember 2018.	easurement th	en the default of	deç	gradation coefficient	of chillers sha	ll be 0,9.				

Model(s):			MLI012HMA	A						
Outdoor side heat e	exchanger of c	hiller:	Air to water							
Indoor side heat ex	changer chille	r:	Water	Nater						
Туре:			Compressor driven vapour compression							
Driver of compress	or:		Electric motor							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated cooling capacity	P _{rated,c}	11.3	kW		Seasonal space cooling energy efficiency	η _{s,c}	192.4	%		
Declared cooling capacity for part load at giver temperature Tj) outdoor		Declared energy ef outdoor temperatur	ficiency ratio f re Tj	or part load at	given		
Tj =+35 ℃	P _{dc}	11.31	kW		Tj=+35℃	EER₀	2.61	-		
Tj=+30℃	8.76	kW		Tj=+30℃	EER₀	3.93	-			
Tj =+25 ℃	kW		Tj=+25℃	EER₫	5.73	-				
Tj=+20°C P _{dc} 2.63 kV					Tj=+20℃	EERd	6.75	-		
Degradation co-efficient for chillers (*)	C _{dc}	0.9	-							
		Power cons	sumption in mo	de	s other than "active r	mode"				
Off mode	P _{OFF}	0.014	kW		Crankcase heater mode	Рск	0.000	kW		
Thermosat-off mode	P _{TO}	0.010	kW		Standby mode	P _{SB}	0.014	kW		
			Othe	er i	tems					
Capacity control		variable			For air-to-water comfort chillers:		4060	~~ ³ /b		
Sound power level, indoors /outdoors	Lwa	-/65	dB		air flow rate, outdoor measured	-	4000	[[]-/1]		
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV		For water / brine-to-wate chillers: Rated brine or			m ³ /h		
GWP of the refrigerant	-	675	kg CO _{2 eq} (100years)		water flow rate, outdoor side heat exchanger					
Standard rating co	Low tempera	ature applicatio	'n							
Contact details	GD Midea H Penglai indu	leating & Ventilating Equipment Co. , Ltd. ıstry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China								
(*) If Cdc is not det	termined by mo	easurement th	en the default of	deç	gradation coefficient	of chillers sha	III be 0,9.			

Model(s):			MLI012HMAA							
Outdoor side heat e	exchanger of c	hiller:	Air to water	Air to water						
Indoor side heat ex	changer chille	r:	Water	Water						
Туре:			Compressor	dri	ven vapour compres	sion				
Driver of compressor:			Electric moto	Electric motor						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated cooling capacity	P _{rated,c}	11.8	kW		Seasonal space cooling energy efficiency	η _{s,c}	280.9	%		
Declared cooling c temperature Tj	apacity for par	rt load at giver	า outdoor		Declared energy ef outdoor temperatur	fficiency ratio f re Tj	or part load at	given		
Tj=+35℃	P _{dc}	11.77	kW		Tj=+35℃	EERd	3.87	-		
Tj=+30℃	P _{dc}	9.21	kW		Tj=+30℃	EER₫	5.50	-		
Tj=+25℃	P _{dc}	5.74	kW		Tj=+25℃	EERd	8.66	-		
Tj=+20℃	P _{dc}	3.33	kW		Tj =+20 ℃	EERd	10.07	-		
Degradation co-efficient for chillers (*)	C _{dc}	0.9	-							
		Power cons	sumption in mo	des	s other than "active r	mode"				
Off mode	P _{OFF}	0.014	kW	\square	Crankcase heater mode	Рск	0.000	kW		
Thermosat-off mode	P _{TO}	0.010	kW		Standby mode	P _{SB}	0.014	kW		
			Othe	ər it	tems					
Capacity control		variable		\square	For air-to-water comfort chillers:		4000	m³/h		
Sound power level, indoors /outdoors	L _{WA}	-/64	dB		air flow rate, outdoor measured	-	4000			
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV		For water / brine-to-wate chillers: Rated brine or	_				
GWP of the refrigerant	-	675	kg CO _{2 eq} (100years)		water flow rate, outdoor side heat exchanger	-				
Standard rating co	nditions used	Medium tem	perature applic	cati	ion					
Contact details	Contact details GD Midea H Penglai indu				ng Equipment Co. , I o, Shunde, Foshan, (Ltd. Guangdong, 5	28311 P.R. Ch	nina		
(*) If Cdc is not det (**) From 26 Sept	(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.									

Model(s):			MLI016HMAA								
Outdoor side heat e	exchanger of c	chiller:	Air to water	Air to water							
Indoor side heat ex	changer chille	r:	Water								
Туре:			Compressor	dri	ven vapour compres	ssion					
Driver of compress	or:		Electric moto	Electric motor							
lterre	Quint hal		11-11		14	Querchal) (-lu-	1.1			
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit			
Rated cooling capacity	P _{rated,c}	14.3	kW		Seasonal space cooling energy efficiency	η _{s,c}	184.4	%			
Declared cooling c temperature Tj	apacity for pa	rt load at giver	ו outdoor		Declared energy ef outdoor temperatur	ficiency ratio f re Tj	or part load at	given			
Tj=+35℃	P _{dc}	14.31	kW		Tj=+35℃	EER₀	2.47	-			
Tj=+30℃	P _{dc}	10.68	kW		Tj=+30 ℃	EER₀	3.63	-			
Tj=+25℃	P _{dc}	6.76	kW		Tj =+25 ℃	EER₀	5.27	-			
Tj=+20 ℃	P _{dc}	3.41	kW		Tj =+20 ℃	EERd	7.29	-			
Degradation co-efficient			 []								
for chillers (*)	C _{dc}	0.9	-								
		Power cons	sumption in mo	de	s other than "active i	mode"					
Off mode	P _{OFF}	0.014	kW		Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	P _{TO}	0.010	kW		Standby mode	P _{SB}	0.014	kW			
			Othe	ər it	tems						
Capacity control		variable		\square	For air-to-water	-		m³/h			
Sound power level, indoors /outdoors	Lwa	-/69	dB		air flow rate, outdoor measured		4650				
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV		For water / brine-to-wate chillers: Rated brine or			m3/h			
GWP of the refrigerant	-	675	kg CO _{2 eq} (100years)		water flow rate, outdoor side heat exchanger	-					
Standard rating co	nditions used	Low tempera	ature applicatio	on							
Contact details GD Midea H Penglai indu			leating & Ventil istry Road, Beij	latiı jiac	ng Equipment Co. , o, Shunde, Foshan, (Ltd. Guangdong, 5	28311 P.R. Ch	iina			
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9. (**) From 26 September 2018.											

Model(s):			MLI016HMAA							
Outdoor side heat exchanger of chiller: Air t			Air to water	Air to water						
Indoor side heat ex	changer chille	r:	Water	Water						
Туре:			Compressor	dri	iven vapour compres	ssion				
Driver of compresso	or:		Electric moto	or						
	- 0 - 1 - 1									
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated cooling capacity	P _{rated,c}	15.4	kW		Seasonal space cooling energy efficiency	η _{s,c}	266.9	%		
Declared cooling c temperature Tj	apacity for pa	rt load at giver	1 outdoor		Declared energy ef outdoor temperatur	fficiency ratio f re Tj	or part load at	or part load at given		
Tj=+35℃	P _{dc}	15.40	kW		Tj=+35℃	EERd	3.50	-		
Tj=+30℃	P _{dc}	11.42	kW		Tj=+30℃	EER₫	5.14	-		
Tj=+25℃	P _{dc}	7.27	kW		Tj=+25℃	EER₫	7.83	-		
Tj=+20℃	P _{dc}	3.40	kW		Tj=+20℃	EERd	10.35	-		
Degradation on efficient										
for chillers (*)	C _{dc}	0.9	-							
		Power cons	sumption in mo	de	s other than "active i	mode"				
Off mode	P _{OFF}	0.014	kW		Crankcase heater mode	Рск	0.000	kW		
Thermosat-off mode	P _{TO}	0.010	kW		Standby mode	P _{SB}	0.014	kW		
			Othe	ər i	tems					
Capacity control		variable			For air-to-water comfort chillers:		4650	m ³ /h		
Sound power level, indoors /outdoors	L _{WA}	-/69	dB		air flow rate, outdoor measured	-	4000			
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV		For water / brine-to-wate chillers: Rated brine or	_		m ³ /h		
GWP of the refrigerant	-	675	kg CO _{2 eq} (100years)		water flow rate, outdoor side heat exchanger	-				
Standard rating co	nditions used	Medium tem	perature applic	cat	ion					
Contact details GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.					28311 P.R. Ch	iina				
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9. (**) From 26 September 2018.										

Model(s):			MLI016H0AA							
Outdoor side heat exchanger of chiller: Air			Air to water	Air to water						
Indoor side heat ex	changer chille	r:	Water							
Туре:			Compressor	driven vapour compres	sion					
Driver of compress	or:		Electric motor	r						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit			
Rated cooling capacity	P _{rated,c}	14.3	kW	Seasonal space cooling energy efficiency	η _{s,c}	183.6	%			
Declared cooling c temperature Tj	apacity for par	rt load at given	outdoor	Declared energy ef outdoor temperatur	ficiency ratio f	or part load at	given			
Tj=+35℃	P _{dc}	14.31	kW	Tj =+35 ℃	EER₀	2.47	-			
Tj=+30℃	P _{dc}	10.68	kW	Tj=+30℃	EERd	3.63	-			
Tj=+25℃	P _{dc}	6.76	kW	Tj=+25℃	EERd	5.27	-			
Tj=+20℃	P _{dc}	3.41	kW	Tj=+20℃	EERd	7.29	-			
Degradation co-efficient for chillers (*)	C _{dc}	0.9	-							
		Power cons	sumption in mod	des other than "active r	mode"					
Off mode	Poff	0.020	kW	Crankcase heater mode	Рск	0.000	kW			
Thermosat-off mode	Рто	0.010	kW	Standby mode	P _{SB}	0.020	kW			
			Othe	r items						
Capacity control		variable		For air-to-water comfort chillers:	-	4650	m³/h			
Sound power level, indoors /outdoors	Lwa	-/69	dB	air flow rate, outdoor measured						
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV	For water / brine- to-water chillers:	-	-	m ³ /h			
GWP of the refrigerant	-	675	kg CO _{2 eq} (100years)	Rated brine or water flow rate, outdoor side heat exchanger	-		,			
Standard rating co	nditions used	Low tempera	ature application	n						
Contact details GD Midea H Penglai indu			eating & Ventila stry Road, Beiji	ating Equipment Co. , I iao, Shunde, Foshan, (Ltd. Guangdong, 5	28311 P.R. Ch	ina			
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9.										

(**) From 26 September 2018.

Model(s):			MLI016H0AA							
Outdoor side heat e	exchanger of c	hiller:	Air to water	vater						
Indoor side heat exchanger chiller: Water			Water							
Туре:			Compressor	driv	ven vapour compres	sion				
Driver of compresso	or:		Electric moto	or						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated cooling capacity	P _{rated,c}	15.4	kW		Seasonal space cooling energy efficiency	η _{s,c} 265.3 %				
Declared cooling c temperature Tj	apacity for par	rt load at given	ı outdoor		Declared energy ef outdoor temperatur	ficiency ratio f	or part load at	given		
Tj =+35 ℃	P _{dc}	15.40	kW		Tj =+35 ℃	EER₫	3.50	-		
Tj=+30℃	P _{dc}	11.42	kW		Tj =+30 ℃	EER₀	5.14	-		
Tj=+25℃	P _{dc}	7.27	kW		Tj =+25 ℃	EER₀	7.83	-		
Tj=+20℃	P _{dc}	3.40	kW		Tj =+20 ℃	EERd	10.35	-		
				— —						
Degradation co-efficient for chillers (*)	C _{dc}	0.9	-							
		Power cons	sumption in mo	des	s other than "active r	mode"				
Off mode	P _{OFF}	0.020	kW		Crankcase heater mode	Рск	0.000	kW		
Thermosat-off mode	P _{TO}	0.010	kW		Standby mode	P _{SB}	0.020	kW		
			Othe	er it	tems					
Capacity control		variable			For air-to-water comfort chillers:			m ³ /h		
Sound power level, indoors /outdoors	Lwa	-/69	dB		air flow rate, outdoor measured	-	4650			
Emissions of nitroger oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV		For water / brine- to-water chillers:			m ³ /h		
GWP of the refrigerant	-	675	kg CO₂ eq (100years)		Rated brine or water flow rate, outdoor side heat exchanger	-	-	m~m		
Standard rating con	nditions used	Medium tem	perature applic	cati	ion					
Contact details	leating & Ventila Istry Road, Beij	latir jiac	ng Equipment Co. , I o, Shunde, Foshan, (Ltd. Guangdong, 5	28311 P.R. Ch	iina				
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9. (**) From 26 September 2018.										

Condition(°C)	Model	Capacity (kW)	Power input (kW)	EER/COP (/)
	MLI006HMAA	7.00	2.33	3.00
	MLI008HMAA	7.45	2.22	3.35
Ambient Temperature: 35/24	MLI010HMAA	8.20	2.52	3.25
water temperature: 12/7	MLI012HMAA	11.5	4.18	2.75
	MLI016HMAA	14.0	5.60	2.50
	MLI016H0MM	14.0	5.60	2.50
	MLI006HMAA	6.50	1.35	4.80
	MLI008HMAA	8.30	1.64	5.05
Ambient Temperature: 35/24	MLI010HMAA	9.90	2.18	4.55
Water temperature: 23/18	MLI012HMAA	12.00	3.04	3.95
	MLI016HMAA	14.90	4.38	3.40
	MLI016H0MM	14.90	4.38	3.40
	MLI006HMAA	6.35	1.28	4.95
	MLI008HMAA	8.40	1.63	5.15
Ambient Temperature: 7/6	MLI010HMAA	10.0	2.02	4.95
Water temperature: 30/35	MLI012HMAA	12.1	2.44	4.95
	MLI016HMAA	15.9	3.53	4.50
	MLI016H0MM	15.9	3.53	4.50
	MLI006HMAA	5.50	1.41	3.90
	MLI008HMAA	7.10	1.73	4.10
Ambient Temperature: 2/1	MLI010HMAA	8.20	2.05	4.00
Water temperature: 30/35	MLI012HMAA	9.2	2.36	3.90
	MLI016HMAA	13.0	3.77	3.45
	MLI016H0MM	13.0	3.77	3.45

Condition(°C)	Model	Capacity (kW)	Power input (kW)	EER/COP (/)
	MLI006HMAA	6.00	2.00	3.00
	MLI008HMAA	7.00	2.19	3.20
Ambient Temperature: -7/-8	MLI010HMAA	8.00	2.62	3.05
Water temperature: 30/35	MLI012HMAA	10.00	3.33	3.00
	MLI016HMAA	13.10	4.85	2.70
	MLI016H0MM	13.10	4.85	2.70
	MLI006HMAA	6.00	2.00	3.00
	MLI006HMAA	6.30	1.70	3.70
	MLI008HMAA	8.10	2.10	3.85
Ambient Temperature: 7/6	MLI010HMAA	10.0	2.67	3.75
Water temperature: 40/45	MLI012HMAA	12.3	3.32	3.70
	MLI016HMAA	16.0	4.57	3.50
	MLI016H0MM	16.0	4.57	3.50
	MLI006HMAA	5.80	1.93	3.00
	MLI008HMAA	7.40	2.28	3.25
Ambient Temperature: 2/1	MLI010HMAA	7.85	2.45	3.20
Water temperature: 40/45	MLI012HMAA	10.60	3.53	3.00
	MLI016HMAA	12.70	4.46	2.85
	MLI016H0MM	12.70	4.46	2.85
	MLI006HMAA	5.40	2.25	2.40
	MLI008HMAA	6.60	2.59	2.55
Ambient Temperature: -7/-8	MLI010HMAA	7.35	2.88	2.55
Water temperature: 40/45	MLI012HMAA	10.20	4.25	2.40
	MLI016HMAA	12.80	5.69	2.25
	MLI016H0MM	12.80	5.69	2.25

Condition(°C)	Model	Capacity (kW)	Power input (kW)	EER/COP (/)
	MLI006HMAA	6.00	2.03	2.95
Ambient Temperature, 7/6	MLI008HMAA	7.50	2.36	3.18
Water temperature 47/55	MLI010HMAA	9.50	3.06	3.10
	MLI012HMAA	11.9	3.90	3.05
	MLI016HMAA	16.0	5.61	2.85
	MLI016H0MM	16.0	5.61	2.85
	MLI006HMAA	5.65	2.31	2.45
	MLI008HMAA	7.10	2.73	2.60
Ambient Temperature 2/1	MLI010HMAA	8.10	3.16	2.56
Motor tomporature 47/55	MLI012HMAA	11.30	4.52	2.50
Water temperature: 47/55	MLI016HMAA	13.30	5.54	2.40
	MLI016H0MM	13.30	5.54	2.40
	MLI006HMAA	5.15	2.58	2.00
	MLI008HMAA	6.15	3.00	2.05
Ambient Temperature: -7/-8	MLI010HMAA	6.85	3.43	2.00
Water temperature: 47/55	MLI012HMAA	9.80	4.78	2.05
	MLI016HMAA	12.50	6.25	2.00
	MLI016H0MM	12.50	6.25	2.00

