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Midea

MHS-SVC70-RN7TL-B



55°C

35°C



A ++

A +++



-- dB



86dB

64
65
65
kW

64
65
65
kW



2019

811/2013

Product fiche 1

Heat pump space heater		unit	MHS-SVC50-RN7TL-B	MHS-SVC60-RN7TL-B	MHS-SVC70-RN7TL-B
Indoor unit sound power (*)		[dB(A)]	/	/	/
Outdoor unit sound power (*)		[dB(A)]	86.7	84.4	80
Capacity of the back-up heater integrated in the unit	Psup back-up heater	[kW]	0	0	0
off peak operation function integrated in Heat pump		Y/N	No	No	No
Space heating	Energy efficiency class 35 °C (Low temp. app.)	-	A+++	A+++	A+++
Space heating	Energy efficiency class 55 °C (Medium temp. app.)	-	A+++	A+++	A++
Average climate (Design temperature= -10°C)					
Space heating 35 °C	Prated(declared heating capacity) @-10 °C	[kW]	50	60	65
	Seasonal space heating efficiency(ηs)	[%]	185	181	177
	Annual energy consumption	[kWh]	21 978	26 948	29 842
Space heating 55 °C	Prated(declared heating capacity) @-10 °C	[kW]	50	60	65
	Seasonal space heating efficiency(ηs)	[%]	153	151	147.4
	Annual energy consumption	[kWh]	26 324	32 176	35 694
Part load conditions space heating average climate low temperature application					
(A) condition (-7 °C)	Pdh(declared heating capacity)	[kW]	45.18	52.46	57.34
	COPd (declared COP)	-	2.8	2.61	2.48
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(B) condition (2 °C)	Pdh(declared heating capacity)	[kW]	28.40	32.53	34.71
	COPd (declared COP)	-	4.49	4.39	4.31
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(C) condition (7 °C)	Pdh(declared heating capacity)	[kW]	17.57	21.65	21.65
	COPd (declared COP)	-	6.58	6.59	6.99
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(D) condition (12 °C)	Pdh(declared heating capacity)	[kW]	7.83	9.79	9.79
	COPd (declared COP)	-	7.59	8.66	8.66
	Cdh(degradation coefficient)	-	0.9	0.9	0.9

Product fiche 2

Heat pump space heater		unit	MHS-SVC50-RN7TL-B	MHS-SVC60-RN7TL-B	MHS-SVC70-RN7TL-B
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	-10	-10	-10
	Pdh (declared heating capacity)	[kW]	50.39	59.61	59.61
	COPd (declared COP)	-	2.52	2.36	2.36
	WTOL (Heating water Operation Limit)	[°C]	85	85	85
(F) Tbivalent temperature	Tbiv	[°C]	-7	-7	-7
	Pdh (declared heating capacity)	[kW]	45.18	52.46	57.34
	COPd (declared COP)	-	2.80	2.61	2.48
Supplementary capacity at P_design	Psup (@Tdesignh:-10°C)	[kW]	0	0.39	5.39
Part load conditions space heating average climate medium temperature application					
(A) condition (-7 °C)	Pdh (declared heating capacity)	[kW]	44.14	51.15	57.95
	COPd (declared COP)	-	2.40	2.21	2.13
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(B) condition (2 °C)	Pdh (declared heating capacity)	[kW]	28.61	32.14	35.42
	COPd (declared COP)	-	3.86	3.73	3.61
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(C) condition (7 °C)	Pdh (declared heating capacity)	[kW]	17.21	21.58	21.58
	COPd (declared COP)	-	5.21	5.36	5.36
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(D) condition (12 °C)	Pdh (declared heating capacity)	[kW]	12.09	11.86	11.86
	COPd (declared COP)	-	6.24	6.89	6.89
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	-10	-10	-10
	Pdh (declared heating capacity)	[kW]	51.33	59.95	64.46
	COPd (declared COP)	-	2.12	2.01	1.95
	WTOL (Heating water Operation Limit)	[°C]	85	85	85
(F) Tbivalent temperature	Tbiv	[°C]	-7	-7	-7
	Pdh (declared heating capacity)	[kW]	44.14	51.15	57.95
	COPd (declared COP)	-	2.4	2.21	2.13
Supplementary capacity at P_design	Psup (@Tdesignh:-10°C)	[kW]	0	0	0

Product fiche 3

Heat pump space heater		unit	MHS-SVC50-RN7TL-B	MHS-SVC60-RN7TL-B	MHS-SVC70-RN7TL-B
Colder climate (Design temperature = -22 °C)					
Space heating 35 °C	Prated (declared heating capacity) @ -22 °C	[kW]	50	60	64
	Seasonal space heating efficiency (ηs)	[%]	154.9	144.5	144.3
	Annual energy consumption	[kWh]	31 231	40 105	42 832
Space heating 55 °C	Prated (declared heating capacity) @ -22 °C	[kW]	50	60	64
	Seasonal space heating efficiency (ηs)	[%]	137.7	128.5	128.2
	Annual energy consumption	[kWh]	35 048	44 978	48 107
Part load conditions space heating colder climate low temperature application					
condition (-15 °C)	Pdh (declared heating capacity)	[kW]	42.15	52.33	52.33
	COPd (declared COP)	-	2.34	2.10	2.10
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(A) condition (-7 °C)	Pdh (declared heating capacity)	[kW]	30.10	39.69	18.56
	COPd (declared COP)	-	3.45	3.01	3.01
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(B) condition (2 °C)	Pdh (declared heating capacity)	[kW]	17.98	22.96	22.96
	COPd (declared COP)	-	4.53	4.45	4.45
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(C) condition (7 °C)	Pdh (declared heating capacity)	[kW]	12.04	14.53	14.53
	COPd (declared COP)	-	6.36	6.46	6.46
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(D) condition (12 °C)	Pdh (declared heating capacity)	[kW]	7.83	7.72	7.72
	COPd (declared COP)	-	7.32	7.45	7.43
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	-22	-22	-22
	Pdh (declared heating capacity)	[kW]	43.90	43.90	43.90
	COPd (declared COP)	-	1.79	1.79	1.79
	WTOL (Heating water Operation Limit)	[°C]	85	85	85
(F) Tbivalent temperature	Tbiv	[°C]	-15	-15	-15
	Pdh (declared heating capacity)	[kW]	42.15	52.33	52.33
	COPd (declared COP)	-	2.34	2.10	2.10
Supplementary capacity at P_design	Psup (@Tdesignh:-22°C)	[kW]	6.10	16.10	20.10

Product fiche 4

Heat pump space heater		unit	MHS-SVC50-RN7TL-B	MHS-SVC60-RN7TL-B	MHS-SVC70-RN7TL-B
Part load conditions space heating colder climate medium temperature application					
condition (-15 °C)	Pdh (declared heating capacity)	[kW]	40.33	50.64	50.64
	COPd (declared COP)	-	2.18	2.04	2.04
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(A) condition (-7 °C)	Pdh (declared heating capacity)	[kW]	30.33	39.97	39.97
	COPd (declared COP)	-	2.85	2.74	2.74
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(B) condition (2 °C)	Pdh (declared heating capacity)	[kW]	19.73	24.38	24.38
	COPd (declared COP)	-	4.20	3.89	3.80
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(C) condition (7 °C)	Pdh (declared heating capacity)	[kW]	12.35	14.90	14.90
	COPd (declared COP)	-	5.69	5.48	5.45
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(D) condition (12 °C)	Pdh (declared heating capacity)	[kW]	12.13	12.15	12.15
	COPd (declared COP)	-	6.32	6.39	6.39
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	-22	-22	-22
	Pdh (declared heating capacity)	[kW]	50.54	50.54	50.54
	COPd (declared COP)	-	1.60	1.60	1.60
	WTOL (Heating water Operation Limit)	[°C]	85	85	85
(F) Tbivalent temperature	Tbiv	[°C]	-15	-15	-15
	Pdh (declared heating capacity)	[kW]	40.33	50.64	50.64
	COPd (declared COP)	-	2.18	2.04	2.04
Supplementary capacity at P_design	Psup (@Tdesignh:-22°C)	[kW]	0	9.46	13.46
Warmer climate (Design temperature =2°C)					
Space heating 35 °C	Prated (declared heating capacity) @ 2°C	[kW]	50	60	65
	Seasonal space heating efficiency (ηs)	[%]	247.7	248.7	243.2
	Annual energy consumption	[kWh]	10 659	12 741	14 110
Space heating 55 °C	Prated (declared heating capacity) @ 2°C	[kW]	50	60	65
	Seasonal space heating efficiency (ηs)	[%]	189.3	187.2	187.2
	Annual energy consumption	[kWh]	13 898	16 860	18 264

Product fiche 5

Heat pump space heater		unit	MHS-SVC50-RN7TL-B	MHS-SVC60-RN7TL-B	MHS-SVC70-RN7TL-B
Part load conditions space heating warmer climate low temperature application					
(B) condition (2 °C)	Pdh (declared heating capacity)	[kW]	50.17	59.13	63.03
	COPd (declared COP)	-	3.42	3.05	2.89
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(C) condition (7 °C)	Pdh (declared heating capacity)	[kW]	32.41	38.39	41.36
	COPd (declared COP)	-	5.81	5.67	5.50
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(D) condition (12 °C)	Pdh (declared heating capacity)	[kW]	14.02	18.37	18.37
	COPd (declared COP)	-	8.05	8.47	8.47
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	2	2	2
	Pdh (declared heating capacity)	[kW]	50.17	59.13	63.03
	COPd (declared COP)	-	3.42	3.05	2.89
	WTOL (Heating water Operation Limit)	[°C]	85	85	85
(F) Tbivalent temperature	Tbiv	[°C]	7	7	7
	Pdh (declared heating capacity)	[kW]	32.41	38.39	41.36
	COPd (declared COP)	-	5.81	5.67	5.50
Supplementary capacity at P _{design}	Psup (@Tdesignh:2 °C)	[kW]	0	0.87	1.97
Part load conditions space heating warmer climate medium temperature application					
(B) condition (2 °C)	Pdh (declared heating capacity)	[kW]	48.86	57.59	63.70
	COPd (declared COP)	-	2.60	2.39	2.38
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(C) condition (7 °C)	Pdh (declared heating capacity)	[kW]	31.46	37.72	41.07
	COPd (declared COP)	-	4.30	4.20	4.13
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(D) condition (12 °C)	Pdh (declared heating capacity)	[kW]	14.04	17.74	17.74
	COPd (declared COP)	-	6.36	6.44	6.44
	Cdh(degradation coefficient)	-	0.9	0.9	0.9
(E) Tol(temperature operating limit)	Tol (temperature operating limit)	[°C]	2	2	2
	Pdh (declared heating capacity)	[kW]	48.86	57.59	63.70
	COPd (declared COP)	-	2.60	2.39	2.38
	WTOL (Heating water Operation Limit)	[°C]	85	85	85

Product fiche 6

Heat pump space heater		unit	MHS-SVC50-RN7TL-B	MHS-SVC60-RN7TL-B	MHS-SVC70-RN7TL-B
(F) Tbivalent temperature	Tbiv	[°C]	7	7	7
	Pdh (declared heating capacity)	[kW]	31.46	37.72	41.07
	COPd (declared COP)	-	4.30	4.20	4.13
Supplementary capacity at P _{design}	Psup (@Tdesignh:2 °C)	[kW]	0	0.24	1.94
Ecodesign technical data					
Product description	Air-to-water heat pump	Y/N	Yes	Yes	Yes
	Water-to-water heat pump	Y/N	No	No	No
	Brine-to-water heat pump	Y/N	No	No	No
	Low-temperature heat pump	Y/N	No	No	No
	Equipped with a supplementary heater	Y/N	No	No	No
	Heat pump combination heater	Y/N	No	No	No
Air to water unit	Rated airflow (outdoor)	[m³/h]	28 670	28 670	28 670
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	[m³/h]	/	/	/
Other	Capacity control	-	Inverter	Inverter	Inverter
	Poff (Power consumption Off mode)	[kW]	0.135	0.135	0.135
	Pto (Power consumption Thermostat off mode)	[kW]	0.620	0.620	0.620
	Psb (Power consumption Standby mode)	[kW]	0.135	0.135	0.135
	PCK (Power crankcase heater model)	[kW]	0	0	0
	Qelec (Daily electricity consumption)	[kWh]	/	/	/
	Qfuel (Daily fuel consumption)	[kWh]	/	/	/
<p>Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.</p> <p>Product fiche data according to energy label directive 2010/30/EC regulation (EU) 811/2013.</p>					

Technical parameters										
Model(s):		MHS-SVC70-RN7TL-B								
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	65	kW	Seasonal space heating energy efficiency			ηs	147.5	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj					Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj					
Tj = -7 °C		Pdh	57.9	kW	Tj = -7 °C		COPd	2.13	-	
Tj = 2 °C		Pdh	35.4	kW	Tj = 2 °C		COPd	3.61	-	
Tj = 7 °C		Pdh	21.6	kW	Tj = 7 °C		COPd	5.36	-	
Tj = 12 °C		Pdh	11.9	kW	Tj = 12 °C		COPd	6.89	-	
Tj = bivalent temperature		Pdh	57.9	kW	Tj = bivalent temperature		COPd	2.13	-	
Tj = operating limit		Pdh	30.8	kW	Tj = operating limit		COPd	1.95	-	
For air-to-water heat pumps: Tj = -15 °C		Pdh	64.5	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	85	°C	
Power consumption in modes other than active mode					Supplementary heater					
Off mode		Poff	0.135	kW	Rated heat output (**)		Psup	0.54	kW	
Standby mode		Psb	0.135	kW	Type of energy input		Electrical			
Thermostat-off mode		Pto	0.620	kW						
Crankcase heater mode		Pck	0.000	kW						
Other items										
Capacity control		variable			For air-to-water heat pumps: Rated air flow rate, outdoors		-	28 670	m³/h	
Sound power level, indoors/outdoors		LWA	-86.7	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	-	m³/h	
Annual energy consumption		QHE	35 694	kWh						
For heat pump combination heater:										
Declared load profile		-			Water heating energy efficiency		ηwh	-	%	
Daily electricity consumption		Qelec	-	kWh	Daily fuel consumption		Qfuel	-	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):		MHS-SVC70-RN7TL-B					
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	64.0	kW	Seasonal space heating energy efficiency	ηs	118.1	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	Pdh	40.0	kW	Tj = -7 °C	COPd	2.74	-
Tj = 2 °C	Pdh	24.4	kW	Tj = 2 °C	COPd	3.80	-
Tj = 7 °C	Pdh	14.9	kW	Tj = 7 °C	COPd	5.48	-
Tj = 12 °C	Pdh	12.2	kW	Tj = 12 °C	COPd	6.39	-
Tj = bivalent temperature	Pdh	50.6	kW	Tj = bivalent temperature	COPd	2.04	-
Tj = operating limit	Pdh	50.5	kW	Tj = operating limit	COPd	1.60	-
For air-to-water heat pumps: Tj = -15 °C	Pdh	50.6	kW	For air-to-water heat pumps: Tj = -15 °C	COPd	2.04	-
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	85	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0.135	kW	Rated heat output (**)	Psup	13.46	kW
Standby mode	Psb	0.135	kW	Type of energy input	-		
Thermostat-off mode	Pto	0.620	kW				
Crankcase heater mode	Pck	0.000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	28 670	m³/h
Sound power level, indoors/outdoors	LWA	-86.7	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	48,107	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	ηwh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	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.							

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Brine-to-water heat pump:		NO																																																																																																																																													
Low-temperature heat pump:		NO																																																																																																																																													
Equipped with a supplementary heater:		NO																																																																																																																																													
Heat pump combination heater:		NO																																																																																																																																													
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Information requirements for comfort chillers

Model(s):				MHS-SVC70-RN7TL-B				
Outdoor side heat exchanger of chiller:				Air to water				
Indoor side heat exchanger chiller:				Water				
Type:				Compressor driven vapour compression				
Driver of compressor:				Electric motor				
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	65	kW		Seasonal space cooling energy efficiency	η _{s,c}	185.0	%
Declared cooling capacity for part load at given outdoor temperature T _j					Declared energy efficiency ratio for part load at given outdoor temperature T _j			
T _j =+35 °C	P _{dc}	65.7	kW		T _j =+35 °C	EER _d	2.80	-
T _j =+30 °C	P _{dc}	48.1	kW		T _j =+30 °C	EER _d	3.95	-
T _j =+25 °C	P _{dc}	31.1	kW		T _j =+25 °C	EER _d	5.67	-
T _j =+20 °C	P _{dc}	12.8	kW		T _j =+20 °C	EER _d	6.75	-
Degradation co-efficient for chillers (*)	C _{dc}	0.9	-					
Power consumption in modes other than "active mode"								
Off mode	P _{OFF}	0.135	kW		Crankcase heater mode	P _{CK}	0.000	kW
Thermosat-off mode	P _{TO}	0.405	kW		Standby mode	P _{SB}	0.135	kW
Other items								
Capacity control	variable				For air-to-water comfort chillers: air flow rate, outdoor measured	-	28 670	m³/h
Sound power level, indoors / outdoors	L _{WA}	-84.8	dB					
Emissions of nitrogen oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV		For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m³/h
GWP of the refrigerant	-	3	kg CO ₂ eq (100years)					
Standard rating conditions used		Low temperature application						
Contact details		GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						
(*) If C _{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9. (**) From 26 September 2018.								

Information requirements for comfort chillers

Model(s):				MHS-SVC70-RN7TL-B				
Outdoor side heat exchanger of chiller:				Air to water				
Indoor side heat exchanger chiller:				Water				
Type:				Compressor driven vapour compression				
Driver of compressor:				Electric motor				
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	70	kW		Seasonal space cooling energy efficiency	η _{s,c}	257.0	%
Declared cooling capacity for part load at given outdoor temperature T _j					Declared energy efficiency ratio for part load at given outdoor temperature T _j			
T _j =+35 °C	P _{dc}	70.4	kW		T _j =+35 °C	EER _d	4.06	-
T _j =+30 °C	P _{dc}	52.4	kW		T _j =+30 °C	EER _d	5.88	-
T _j =+25 °C	P _{dc}	33.7	kW		T _j =+25 °C	EER _d	7.56	-
T _j =+20 °C	P _{dc}	13.6	kW		T _j =+20 °C	EER _d	9.27	-
Degradation co-efficient for chillers (*)	C _{dc}	0.9	-					
Power consumption in modes other than "active mode"								
Off mode	P _{OFF}	0.135	kW		Crankcase heater mode	P _{CK}	0.000	kW
Thermosat-off mode	P _{TO}	0.405	kW		Standby mode	P _{SB}	0.135	kW
Other items								
Capacity control	variable				For air-to-water comfort chillers: air flow rate, outdoor measured	-	28 670	m³/h
Sound power level, indoors / outdoors	L _{WA}	-/84.8	dB					
Emissions of nitrogen oxides (if applicable)	NO _x (**)	-	mg/kWh input GCV		For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m³/h
GWP of the refrigerant	-	3	kg CO ₂ eq (100years)					
Standard rating conditions used		Medium temperature application						
Contact details		GD Midea Heating & Ventilating Equipment Co. , Ltd. Penglai industry Road, Beijiao, Shunde, Foshan, Guangdong, 528311 P.R. China						
(*) If C _{dc} is not determined by measurement then the default degradation coefficient of chillers shall be 0,9. (**) From 26 September 2018.								

Condition(℃)	Model(s):	Capacity /W	Power input /W	COP
Ambient Temperature: 7/6 Water temperature: 30/35	MHS-SVC50-RN7TL-B	50 000	10 635	4.70
	MHS-SVC60-RN7TL-B	60 000	13 950	4.30
	MHS-SVC70-RN7TL-B	70 000	17 500	4.00
Ambient Temperature: 7/6 Water temperature: 40/45	MHS-SVC50-RN7TL-B	50 000	13 155	3.80
	MHS-SVC60-RN7TL-B	60 000	17 045	3.52
	MHS-SVC70-RN7TL-B	70 000	20 895	3.35
Ambient Temperature: 7/6 Water temperature: 47/55	MHS-SVC50-RN7TL-B	50 000	15 150	3.30
	MHS-SVC60-RN7TL-B	60 000	19 605	3.06
	MHS-SVC70-RN7TL-B	70 000	23 725	2.95
Ambient Temperature: 7/6 Water temperature: 55/65	MHS-SVC50-RN7TL-B	50 000	17 855	2.80
	MHS-SVC60-RN7TL-B	60 000	22 220	2.70
	MHS-SVC70-RN7TL-B	70 000	27 450	2.55
Ambient Temperature: 2/1 Water temperature: 30/35	MHS-SVC50-RN7TL-B	43 000	11 375	3.78
	MHS-SVC60-RN7TL-B	51 000	14 655	3.48
	MHS-SVC70-RN7TL-B	60 000	19 045	3.15
Ambient Temperature: 2/1 Water temperature: 40/45	MHS-SVC50-RN7TL-B	40 500	12 850	3.15
	MHS-SVC60-RN7TL-B	50 000	16 665	3.00
	MHS-SVC70-RN7TL-B	59 500	21 400	2.78
Ambient Temperature: 2/1 Water temperature: 47/55	MHS-SVC50-RN7TL-B	40 000	14 545	2.75
	MHS-SVC60-RN7TL-B	49 500	18 675	2.65
	MHS-SVC70-RN7TL-B	58 500	23 875	2.45
Ambient Temperature: -7/-8 Water temperature: 30/35	MHS-SVC50-RN7TL-B	39 500	13 165	3.00
	MHS-SVC60-RN7TL-B	49 000	17 250	2.84
	MHS-SVC70-RN7TL-B	56 500	22 420	2.52
Ambient Temperature: -7/-8 Water temperature: 40/45	MHS-SVC50-RN7TL-B	39 000	14 770	2.64
	MHS-SVC60-RN7TL-B	47 500	18 700	2.54
	MHS-SVC70-RN7TL-B	54 800	23 220	2.36
Ambient Temperature: -7/-8 Water temperature: 47/55	MHS-SVC50-RN7TL-B	35 500	14 875	2.39
	MHS-SVC60-RN7TL-B	43 800	18 795	2.33
	MHS-SVC70-RN7TL-B	51 900	23 590	2.20
Ambient Temperature: 35/24 Water temperature: 23/18	MHS-SVC50-RN7TL-B	50 000	10 415	4.80
	MHS-SVC60-RN7TL-B	60 000	13 330	4.50
	MHS-SVC70-RN7TL-B	70 000	16 860	4.15
Ambient Temperature: 35/24 Water temperature: 12/7	MHS-SVC50-RN7TL-B	50 000	15 150	3.30
	MHS-SVC60-RN7TL-B	60 000	20 000	3.00
	MHS-SVC70-RN7TL-B	65 000	23 210	2.80