

Model(s):					MC-SU60M/RN1L						
Outdoor side heat exchanger of chiller:			Air to water								
Indoor side heat exchanger chiller:			Water								
Туре:			Compressor driven vapour compression								
Driver of compressor:			Electric motor								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit			
Rated cooling capacity	P _{rated,c}	55.0	kW		Seasonal space cooling energy efficiency	η _{s,c}	168	%			
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}	55.0	kW		T _j = + 35 °C	EER _d	2.44	-			
T _j = + 30 °C	P _{dc}	43.35	kW		T _j = + 30 °C	EER _d	3.62	-			
T _j = + 25 °C	P _{dc}	27.78	kW		T _j = + 25 °C	EER _d	5.25				
T _j = + 20 °C	P _{dc}	14.81	kW		T _j = + 20 °C	EER₀	6.51	-			
Degradation co-efficient for chillers (*)	C _{dc}	0.9									
	Pow	er consu	umption in mo	odes	other than 'active mode'						
Off mode	P _{OFF}	0.075	kW		Crankcase heater mode	P _{CK}	0.075	kW			
Thermostat-off mode	P _{TO}	0.6	kW		Standby mode	P _{SB}	0.075	kW			
			Othe	er ite	ms						
Capacity control		variable			For air-to-water comfort chillers: air flow rate, outdoor measured		24000	m³/h			
Sound power level, indoors / outdoors	L _{WA}	-/87	dB		For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger			m³/h			
Emissions of nitrogen oxides (if applicable)	NO _x (**)		mg/kWh input GCV								
GWP of the refrigerant		2088	kg CO _{2 eq} (100 years)								
Standard rating conditions used:		Low ter	nperature app	plica	tion						
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 mea (**) From 26 September 2018.	surement	then the	default degra	adat	ion coefficient of chillers shall be 0	,9.					

Model(s):				MC-SU60M/RN1L							
Air-to-water heat pump:	YES										
Water-to-water heat pump:				NO							
Brine-to-water heat pump:			NO								
Low-temperature heat pump:				YES							
Equipped with a supplementary heat	er:			NO							
Heat pump combination heater:				NO							
Declared climate condition:				AVERAGE							
Parameters are declared for low-tem	perature app	lication.									
Item	Symbol	Value	Unit	Item	Symbol	Value	Uni				
Rated heat output (*)	Prated	31	ĸw	Seasonal space heating energy efficiency	ηs	135	%				
Declared capacity for heating for part	Declared coefficient of performance or primary energy ratio for part load at outdoor temperature Tj										
Tj = -7C	Pdh	26.1	KW	Tj = -7C	COPd	2.59	-				
Tj = 2C	Pdh	16.7	KW	Tj = 2C	COPd	3.56	-				
Tj = 7C	Pdh	11.8	KW	Tj = 7C	COPd	3.87	-				
Tj = 12C	Pdh	11.2	KW	Tj = 12C	COPd	5.70	-				
Tj=bivalent temperature	Pdh	31.0	KW	Tj=bivalent temperature	COPd	2.32	-				
Tj = operating limit	Pdh	31.0	KW	Tj = operating limit	COPd	2.32	-				
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	ĸw	For air-to-water heat pumps: Tj = -15 °C	COPd	-	-				
Bivalent temperature	Tbiv	-10	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	С				
Cycling interval capacity forheating	Pcy ch	-	KW	Cycling interval efficiency	COPcy c	-	-				
Degradation co-efficient (**)	Cdh	0.99		Heating water operating limit temperature	WTOL	35	С				
Power consumption in modes other t	han active m	ode		Supplementary heater							
Off mode	Pof f	0.075	kW								
Standby mode	Psb	0.075	kW	Rated heat output (**)	Psup						
Thermostat-off mode	Pto	0.600	kW								
Crankcase heater mode	Pck	0.075	kW	Type of energy input							
Other items											
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	24000	m³/l				
Sound power level, outdoors	LWA	86	dB	For water- or brine-to-water heat	-		m³/h				
Annual energy consumption	QHE	18998	kWh	pumps: Rated brine or water flow rate, outdoor heat exchanger		-					
For heat pump combination heater:											
Declared load profile				Water heating energy efficiency	ηwh	-	%				
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qf uel	-	kW				
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ				
Contact details		Heating & \ g, PR China		Equipment Co. Ltd (Penglai indust	y road, Beijiad	, Shunde, F	oshan,				

(*) 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 =0.99.

