Model(s):		MC-SU90M/RN1L										
Outdoor side heat exchanger of chiller:		Air to water										
Indoor side heat exchanger ch	iller:				Water to air							
Туре:			(Со	mpressor driven vapour compression							
Driver of compressor:	Electric motor											
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit				
Rated cooling capacity	P _{rated,c}	82.35	kW		Seasonal space cooling energy efficiency	$\eta_{\rm s,c}$	150.11	%				
Declared cooling capacity for part load at given outdoor temperature $T_{ }$					Declared energy efficiency ratio for part load at given outdoor temperature \mathbf{T}_{j}							
T _j = + 35 °C	P _{dc}	82.35	kW		T _j = + 35 °C	EER₫	2.17					
T _j = + 30 °C	P _{dc}	63.25	kW		T _j = + 30 °C	EER₫	3.57					
T _j = + 25 °C	P _{dc}	41.75	kW		T _j = + 25 °C	EER₫	4.46					
T _j = + 20 °C	P _{dc}	31.25	kW		T _j = + 20 °C	EER₫	6.02					
Degradation co-efficient for chillers (*)	C _{dc}	0.9										
		Power co	nsumption in mode	es (other than 'active mode'							
Off mode	POFF	0.04	kW		Crankcase heater mode	Рск	0.04	kW				
Thermostat-off mode	P _{TO}	1.40	kW		Standby mode	P _{SB}	0.04	kW				
			Other i	ter	ns							
Capacity control		variable			For air-to-water comfort chillers: air flow rate, outdoor measured		38000	m³/h				
Sound power level, indoors / outdoors	L _{WA}	-/89	dB		For water / brine-to-water chillers:			m³/h				
Emissions of nitrogen oxides (if applicable)	NO _x (**)		mg/kWh input GCV		Rated brine or water flow rate, outdoor side heat exchanger							
GWP of the refrigerant		2088	kg CO _{2 eq} (100 years)									
Standard rating conditions used:		Low temperature application										
Contact details					ing Equipment Co. , Ltd. o, Shunde, Foshan, Guangdong, 5283		hina					



Information requirements for	[.] heat pun	np space	heaters	and heat pump combination	on heaters							
Model(s):				MC-SU90M/RN1L								
Air-to-water heat pump:				YES								
Water-to-water heat pump:				NO								
Brine-to-water heat pump:	e-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	Unit					
Rated heat output (*)	Prated	31	кw	Seasonal space heating energy efficiency	ηs	147	%					
Declared capacity for heating for part	load at outo	loor temper	Declared coefficient of performance or primary energy ratio for part load at outdoor temperature Tj									
Tj = -7 °C	Pdh	57.63	KW	Tj = -7 °C	COPd	147	-					
Tj = 2 °C	Pdh	34.88	KW	Tj = 2 °C	COPd	3.54	-					
Tj = 7 °C	Pdh	27.11	КW	Tj = 7 °C	COPd	4.93	-					
Tj = 12 °C	Pdh	31.93	КW	Tj = 12 °C	COPd	6.33	-					
Tj=bivalent temperature	Pdh	57.63	KW	Tj=bivalent temperature	COPd	2.41	-					
Tj = operating limit	Pdh	64.13	KW	Tj = operating limit	COPd	2.07	-					
For air-to-water heat pumps: Tj = -15 °C	Pdh	-	кw	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	°C					
Cycling interval capacity forheating	Pcy ch	-	KW	Cycling interval efficiency	COPcy c	-	-					
Degradation co-efficient (**)	Cdh			Heating water operating limit temperature	WTOL	-	°C					
Power consumption in modes other t	han active m	lode	1	Supplementary heater								
Off mode			kW									
Standby mode	Psb	0.04	kW	Rated heat output (**)	Psup							
Thermostat-off mode	Pto	0.04	kW									
Crankcase heater mode	Pck	0.04	kW	Type of energy input								
Other items			1									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	24000	m³/h					
Sound power level, outdoors	LWA	89	dB	For water, or bring to water back								
Annual energy consumption	QHE		kWh	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h					
For heat pump combination heater:	1		1	1								
Declared load profile		-		Water heating energy efficiency	ηwh	-	%					
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qf uel	-	kWh					
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ					
Contact details	GD Midea		l /entilating	Equipment Co. Ltd (Penglai indust								
(*) For heat pump space heaters and Pdesignh, and the rated heat output (**) If Cdh is not determined by meas	of a supplem	entary heat	er Psup is	s equal to the supplementary capac			ating					