

Model(s):			Outdo	oor unit: MHA-V12W/D2N1 Indoo	or unit: SMK-160/0	CD30GN1-B			
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 h	neater:			YES					
Heat pump combination heater:		NO							
Declared climate condition:				AVERAGE					
Parameters are declared for medi	ium-temperati	ure application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Un		
Rated heat output (*)	Prated	12	kW	Seasonal space heating energy efficiency	ηѕ	127	%		
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load		
Tj = -7 °C	Pdh	10.9	kW	тј = -7℃	COPd	2.02	-		
Tj = 2°C	Pdh	7.0	kW	Tj = 2℃	COPd	3.05	_		
Tj = 7℃	Pdh	4.2	kW	т _т = 7°С	COPd	4.49	_		
Tj = 12°C	Pdh	2.5	kW	Tj = 12°C	COPd	5.97	-		
Tj = bivalent temperature	Pdh	10.9	kW	Tj = bivalent temperature	COPd	2.02	-		
Tj = operating limit	Pdh	10.3	kW	Tj = operating limit	COPd	1.73	-		
For air-to-water heat pumps:	Pdh	-	kW	For air-to-water heat pumps:	COPd	-	-		
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C		
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-		
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C		
Power consumption in modes oth	ner than activ	ve mode		Supplementary heater					
Off mode	P _{off}	0.019	kW	Data de la cata autorité (##)	Davis		1.37		
Standby mode	P _{sb}	0.019	kW	Rated heat output (**)	Psup	2.0	kV		
Thermostat-off mode	Pto	0.078	kW	Type of energy input		Electrical			
Crankcase heater mode	P _{ck}	0.014	kW						
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6500	m³/		
Sound power level, indoors/	L _{WA}	45/69	dB	For water- or brine-to-water heat pumps: Rated brine or		-	m³/		
Annual energy consumption	Q _{HE}	7833	kWh	water flow rate, outdoor heat exchanger					
For heat pump combination heate	er:								
Declared load profile		-		Water heating energy efficiency	η_{wh}	-	%		
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G.		

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Water-to-water heat pump:		NO NO							
Brine-to-water heat pump:		NO							
ow-temperature heat pump:				NO					
Equipped with a supplementary he	eater:			YES					
Heat pump combination heater:				NO					
Declared climate condition:				COLDER					
Parameters are declared for media	um-temperatu	re application.							
tem	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	12	kW	Seasonal space heating energy efficiency	ηs	111	%		
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of performindoor temperature 20 °C and			part load		
j = -7°C	Pdh	7.8	kW	Tj = -7℃	COPd	2.34	-		
j = 2°C	Pdh	4.8	kW	Tj = 2°C	COPd	3.52	-		
j = 7°C	Pdh	2.9	kW	тј = 7℃	COPd	4.58	-		
j = 12℃	Pdh	3.9	kW	Tj = 12 °C	COPd	8.02	-		
j = bivalent temperature	Pdh	10.0	kW	Tj = bivalent temperature	COPd	1.87	-		
j = operating limit	Pdh	7.4	kW	Tj = operating limit	COPd	1.26	-		
For air-to-water heat pumps:	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	-		
Bivalent temperature	T _{biv}	-14	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-20	°C		
Cycling interval capacity for leating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-		
Degradation co-efficient (**)	C _{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C		
Power consumption in modes other	er than activ	e mode		Supplementary heater					
Off mode	P _{off}	0.019	kW	Rated heat output (**)	Psup	5.3	kW		
Standby mode	P _{sb}	0.019	kW	· · · · · · · · · · · · · · · · · · ·		0.0			
hermostat-off mode Crankcase heater mode	P _{to}	0.078	kW kW	Type of energy input		Electrical			
	· CK	0.011							
Other items	I				1				
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6500	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 heat	_	-	m³/h		
Annual energy consumption	Q _{HE}	10972	kWh	exchanger					
For heat pump combination heate	er:								
Declared load profile		-		Water heating energy	η _{wh}	-	%		
Daily electricity consumption	Q _{elec}	-	kWh	Paily fuel consumption	Q _{fuel}	-	kWI		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
Contact details	GD Midea I	Heating & Venti	lating Equipmer	nt Co. Ltd (Penglai industry road, B	eiiiao. Shunde. Fo	shan, Guangdong	P R Chi		

Model(s):			Outd		or unit: SMK-160/Cl	D30GN1-B			
Air-to-water heat pump:		YES							
Water-to-water heat pump:				NO					
Brine-to-water heat pump:		NO NO							
Low-temperature heat pump:	nostor:			NO VES					
Equipped with a supplementary heater: Heat pump combination heater:		YES							
Declared climate condition:		NO WARMER							
Parameters are declared for med	ium-temperati	ure application.							
ltem	Symbol	Value	Unit	Item	Symbol	Value	Uni		
Rated heat output (*)	Prated	11	kW	Seasonal space heating energy efficiency	ηs	172	%		
Declared capacity for heating for and outdoor temperature Tj	part load at	indoor tempera	ature 20 °C	Declared coefficient of perform indoor temperature 20 °C and			part load		
Tj = -7 °C	Pdh	-	kW	Тј = -7℃	COPd	-	-		
Tj = 2°C	Pdh	11.4	kW	Tj = 2℃	COPd	2.50	-		
Tj = 7°C	Pdh	7.4	kW	Тј = 7°С	COPd	3.59	-		
Tj = 12 °C	Pdh	5.3	kW	Tj = 12 °C	COPd	6.36	-		
Tj = bivalent temperature	Pdh	11.4	kW	Tj = bivalent temperature	COPd	2.50	-		
Tj = operating limit	Pdh	11.4	kW	Tj = operating limit	COPd	2.50	-		
For air-to-water heat pumps: Tj = -15℃	Pdh	-	kW	For air-to-water heat pumps: Tj = -15 $^{\circ}$ C	COPd	-	-		
Bivalent temperature	T _{biv}	2	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C		
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	-		
Degradation co-efficient (**)	C_{dh}	0.9		Heating water operating limit temperature	W _{TOL}	60	°C		
Power consumption in modes oth	ner than activ	ve mode		Supplementary heater					
Off mode	Poff	0.019	kW	Rated heat output (**)	Dour	0	LAN		
Standby mode	P _{sb}	0.019	kW	Rated neat output (***)	Psup	0	kW		
Thermostat-off mode	Pto	0.078	kW	Type of energy input	Electrical				
Crankcase heater mode	P _{ck}	0.014	kW						
Other items									
Capacity control		variable		For air-to-water heat pumps: Rated air flow rate, outdoors	_	6500	m³/		
Sound power level, indoors/	L _{WA}	-	dB	For water- or brine-to-water heat pumps: Rated brine or		-	m ³ /		
Annual energy consumption	Q _{HE}	3491	kWh	water flow rate, outdoor heat exchanger					
For heat pump combination heat	er:								
Declared load profile		-		Water heating energy efficiency	η _{wh}	-	%		
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kW		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	G		
Contact details	GD Midea	Heating & Vent	ilating Equipme	nt Co. Ltd (Penglai industry road, Be	eijiao, Shunde, Fos	han, Guangdong	ı, P.R Chi		