

Product Fiche												
Supplier name: SKYLAND												
Model name: Master Heat AMH12DC												
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							
Climate condition							Average					
Seasonal space heating energy efficiency class							35°C		55°C			
							A+++		A++			
Rated heat power output					kW		Prated					
							35°C		55°C			
Annual energy consumption					space heating		kWh		Q _{HE}			
									35°C		55°C	
Seasonal space heating energy efficiency					%		η _s					
							35°C		55°C			
Low temperature application					T design		°C		-10			
T _j (°C)		P _{dh} (kW)		C _{dh}		COP _d						
TOL		-10		8.515		0.9					2.57	
T bival		-7		8.156		0.9					2.97	
-7				8.156		0.9					2.97	
+2				5.072		0.9					4.49	
+7				3.386		0.9					6.38	
+12				3.982		0.9					8.94	
Medium temperature application					T design		°C		-10			
T _j (°C)		P _{dh} (kW)		C _{dh}		COP _d						
TOL		-10		7.046		0.9					2.06	
T bival		-7		7.398		0.9					2.35	
-7				7.398		0.9					2.35	
+2				4.508		0.9					3.27	
+7				2.992		0.9					4.81	
+12				3.801		0.9					6.99	
Thermostat-off mode (PTO)		kW		0.021								
Standby mode (PSB)		kW		0.006								
Crankcase heater mode (PCK)		kW		0.034								
OFF mode (POFF)		kW		0.006								
Capacity control							Variable					
Rated air-flow rate (air-to-water heat pump)					m ³ /h		3500m ³ /h					
Sound power level					ODU		dB		64			
Water pump EEL ≤							0.21					
Declared data are conform to regulations (EU) nr 811/2013 and nr 813/2013												
PRECAUTION												
Contact the authorized service technician for repair or maintenance of this unit.												
Contact the installer for installation of this unit.												
AWHP is not intended for use by young children or invalids without supervision. Young children should be supervised to ensure that they do not play with AWHP.												
When the power cable is to be replaced, replacement work shall be performed by authorized personnel only using only genuine replacement parts.												
Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.												

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Equipped with a supplementary heater: NO					Heat pump combination heater: NO					
Climate condition							Colder			
Seasonal space heating energy efficiency class							35°C		55°C	
Rated heat power output					kW		Prated			
							35°C		55°C	
Annual energy consumption					space heating		kWh		Q _{HE}	
									35°C	
Seasonal space heating energy efficiency					%		η _s			
							35°C		55°C	
Low temperature application					T design	°C	-22			
T _j (°C)		P _{dh} (kW)		C _{dh}		COP _d				
TOL -22		5.04		0.9		2.05				
-15 (if TOL<-20°C)		6.51		0.9		2.62				
T bival -15		6.51		0.9		2.62				
-7		4.95		0.9		3.53				
+2		3.19		0.9		5.23				
+7		2.1		0.9		6.62				
+12		2.6		0.9		8.5				
Medium temperature application					T design	°C	-22			
T _j (°C)		P _{dh} (kW)		C _{dh}		COP _d				
TOL -22		3.25		0.9		1.34				
-15 (if TOL<-20°C)		5.51		0.9		2.05				
T bival -15		5.51		0.9		2.05				
-7		4.41		0.9		2.67				
+2		2.63		0.9		3.85				
+7		1.73		0.9		4.85				
+12		1.98		0.9		6.03				
Thermostat-off mode (PTO)		kW		0.021						
Standby mode (PSB)		kW		0.006						
Crankcase heater mode (PCK)		kW		0.034						
OFF mode (POFF)		kW		0.006						
Capacity control							Variable			
Rated air-flow rate (air-to-water heat pump)					m ³ /h		3500m ³ /h			
Sound power level					ODU		dB		64	
Water pump EEL ≤							0.21			
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Equipped with a supplementary heater: NO					Heat pump combination heater: NO					
Climate condition							Warmer			
Seasonal space heating energy efficiency class							35°C		55°C	
Rated heat power output					kW		Prated			
							35°C		55°C	
Annual energy consumption					space heating		kWh		Q _{HE}	
									10	
Seasonal space heating energy efficiency					%		η _s		35°C	
									2058	
Low temperature application					T design	°C	+2			
T _j (°C)		P _{dh} (kW)		C _{dh}	COP _d					
TOL	2	9.96		0.9	3.71					
T bival	7	6.5		0.9	5.25					
+2		9.96		0.9	3.71					
+7		6.5		0.9	5.25					
+12		2.91		0.9	8.9					
Medium temperature application					T design	°C	+2			
T _j (°C)		P _{dh} (kW)		C _{dh}	COP _d					
TOL	2	8.95		0.9	2.51					
T bival	7	5.8		0.9	4.1					
+2		8.95		0.9	2.51					
+7		5.8		0.9	4.1					
+12		2.91		0.9	7.7					
Thermostat-off mode (PTO)		kW		0.006						
Standby mode (PSB)		kW		0.006						
Crankcase heater mode (PCK)		kW		0.034						
OFF mode (POFF)		kW		0.006						
Capacity control							Variable			
Rated air-flow rate (air-to-water heat pump)					m ³ /h		3500m ³ /h			
Sound power level					ODU		dB		64	
Water pump EEI ≤							0.21			
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