Model(s):			KEM-60 DNS3 KH								
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									
		1									
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	55.0	kW		Seasonal space cooling energy efficiency	η <sub>s,c</sub>	168	%			
Declared cooling capacity for part load at given outdoor temperature T <sub>j</sub>					Declared energy efficiency ratio for part load at given outdoor temperature T <sub>j</sub>						
T <sub>j</sub> = + 35 °C	P <sub>dc</sub>	55.0	kW		T <sub>j</sub> = + 35 °C	EER₫	2.44				
T <sub>j</sub> = + 30 °C	P <sub>dc</sub>	43.35	kW		T <sub>j</sub> = + 30 °C	EERd	3.62				
T <sub>j</sub> = + 25 °C	P <sub>dc</sub>	27.78	kW		T <sub>j</sub> = + 25 °C	EER₀	5.25				
T <sub>j</sub> = + 20 °C	P <sub>dc</sub>	14.81	kW		T <sub>j</sub> = + 20 °C	EER₀	6.51				
Degradation co-efficient for chillers (*)	C <sub>dc</sub>	0.9									
	Pow	/er consi	umption in mo	des	other than 'active mode'						
Off mode	P <sub>OFF</sub>	0.075	kW		Crankcase heater mode	Рск	0.075	kW			
Thermostat-off mode	P <sub>TO</sub>	0.6	kW		Standby mode	P <sub>SB</sub>	0.075	kW			
			Othe	r 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 <sub>WA</sub>	-/87	dB		For water / brine-to-water chillers: Rated brine or water			m³/h			
Emissions of nitrogen oxides (if applicable)	NO <sub>x</sub> (**)		mg/kWh input GCV		flow rate, outdoor side heat exchanger						
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100 years)								
Standard rating conditions used:		Low temperature application									
Contact details											
(*) If C <sub>dc</sub> is not determined by me. (**) From 26 September 2018.	asurement	then the	default degra	idati	ion coefficient of chillers shall be 0	,9.					



Information requirements for	heat pun	np space	heaters	and heat pump combination	on heaters							
Model(s):				KEM-60 DNS3 KH								
Air-to-water heat pump:				YES								
Water-to-water heat pump:				NO								
Brine-to-water heat pump:	water heat pump: NO											
w-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	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	-	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	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	lode		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/h					
Sound power level, outdoors	LWA	86	dB	For water- or brine-to-water heat								
Annual energy consumption	QHE	18998	kWh	pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h					
For heat pump combination heater:							L					
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			1		L							
(*) For heat pump space heaters and Pdesignh, and the rated heat output of							ating					
		•		ation coefficient is Cdh =0.99.								