Technical parameters

Model(s):	CGK020V4P-B
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 supplementary heater:	NO
Heat pump combination heater:	NO

Average climate - low -temperature application
平均气候-低温应用

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heat output 额定输出功率	*Prated*	4.973	kW		Seasonal space heating energy efficiency 季节性空间供暖 能源效率	η_s	189.0	%
声明的在 20℃ 室内温度和室外温度下部分负荷的加热能力 Declared capacity for heating for part load at indoor temperature 20 ℃ and outdoor temperature T_j					室内温度 20℃ 和室外温度下部分负荷的声明性能系数或一次能源比 Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ℃ and outdoor temperature T_j			
T_j = -7 ℃	*Pdh*	4.399	kW		T_j = -7 ℃	*COPd*	3.18	%
T_j = +2 ℃	*Pdh*	2.908	kW		T_j = +2 ℃	*COPd*	4.69	%
T_j = +7 ℃	*Pdh*	2.391	kW		T_j = +7 ℃	*COPd*	6.61	%
T_j = +12 ℃	*Pdh*	2.780	kW		T_j = +12 ℃	*COPd*	8.65	%
T_j = bivalent temperature 二价温度	*Pdh*	4.399	kW		T_j = bivalent temperature 二价温度	*COPd*	3.18	%
T_j = operation limit temperature 工作极限温度	*Pdh*	4.037	kW		T_j = operation limit temperature 工作极限温度	*COPd*	2.87	%
T_j = -15 ℃	*Pdh*	-	kW		T_j = -15 ℃	*Pdh*	-	kW
Bivalent temperature 二价温度	T_{biv}	-7	℃		Operation limit temperature (for air-to-water heat pumps)工作极限温度	*TOL*	-10	℃
Cycling interval capacity for heating 循环间隔加热能力	*Pcych*	-	kW		Cycling interval efficiency 循环间隔效率	*COPcyc*	-	%
Degradation coefficient 降解系数	*Cdh*	0.90	-		Heating water operating limit temperature 热水运行极限温度	*WTOL*	60	℃

Power consumption in modes other than active mode 非活动模式下的功耗					Supplementary heater 辅助加热器			
Off mode 关模式	P_{OFF}	0.012	kW		Rated heat output 额定输出功率	*Psup*	0.936	kW
Thermostat-off mode 恒温器关闭模式	P_{TO}	0.028	kW		Type of energy input 能量输入类型	resistive 抵抗的		
Standby mode 待机模式	P_{SB}	0.012	kW					
Crankcase heater mode 曲轴箱加热器模式	P_{CK}	0.033	kW					

Other item 其他项目								
Capacity control 容量控制	fixed 固定				Rated air flow rate, outdoors (for air-to-water heat pumps) 室外额定空气流量（用于空气对水热泵）	-	2500	m^3/h

Sound power level, indoors / outdoors 声功率级室内/室外	L_{WA}	53	dB					
Annual energy consumption 年度能耗	Q_{HE}	2140	kWh		Rated brine or water flow rate, outdoor heat exchanger (for water- or brine-to-water heat pumps)	-	-	m^3/h

Technical parameters

Model(s):	**CGK020V4P-B**
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 supplementary heater:	NO
Heat pump combination heater:	NO

Average climate -medium-temperature application
平均气候-中温应用

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heat output 额定输出功率	*Prated*	4.530	kW		Seasonal space heating energy efficiency 季节性空间供暖 能源效率	η_s	140.7	%
声明的在 20°C 室内温度和室外温度下部分负荷的加热能力 Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j					室内温度 20°C 和室外温度下部分负荷的声明性能系数或一次能源比 Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = -7 °C	*Pdh*	4.007	kW		T_j = -7 °C	*COPd*	2.35	%
T_j = +2 °C	*Pdh*	2.677	kW		T_j = +2 °C	*COPd*	3.52	%
T_j = +7 °C	*Pdh*	2.129	kW		T_j = +7 °C	*COPd*	4.83	%
T_j = +12 °C	*Pdh*	2.596	kW		T_j = +12 °C	*COPd*	6.73	%
T_j = bivalent temperature 二价温度	*Pdh*	4.007	kW		T_j = bivalent temperature 二价温度	*COPd*	2.35	%
T_j = operation limit temperature 工作极限温度	*Pdh*	3.611	kW		T_j = operation limit temperature 工作极限温度	*COPd*	2.05	%
T_j = -15 °C	*Pdh*	-	kW		T_j = -15 °C	*Pdh*	-	kW
Bivalent temperature 二价温度	T_{biv}	-7	°C		Operation limit temperature (for air-to-water heat pumps)工作极限温度	*TOL*	-10	°C
Cycling interval capacity for heating 循环间隔加热能力	*Pcych*	-	kW		Cycling interval efficiency 循环间隔效率	*COPcyc*	-	%
Degradation coefficient 降解系数	*Cdh*	0.90	-		Heating water operating limit temperature 热水运行极限温度	*WTOL*	60	°C
Power consumption in modes other than active mode 非活动模式下的功耗					Supplementary heater 辅助加热器			
Off mode 关模式	P_{OFF}	0.012	kW		Rated heat output 额定输出功率	*Psup*	0.919	kW
Thermostat-off mode 恒温器关闭模式	P_{TO}	0.028	kW		Type of energy input 能量输入类型		resistive 抵抗的	
Standby mode 待机模式	P_{SB}	0.012	kW					
Crankcase heater mode 曲轴箱加热器模式	P_{CK}	0.033	kW					
Other item 其他项目								
Capacity control 容量控制	fixed 固定				Rated air flow rate, outdoors			

Sound power level, indoors / outdoors 声功率级室内/室外	L_{WA}	53	dB		(for air-to-water heat pumps) 室外额定空气流量（用于空气对水热泵）	-	3000	m^3/h
Annual energy consumption 年度能耗	Q_{HE}	2605	kWh		Rated brine or water flow rate, outdoor heat exchanger (for water- or brine-to-water heat pumps)	-	-	m^3/h