



**TRANE**

**Technical parameters for heat pump space heaters and heat pump combination heaters**

Model(s): [information identifying the model(s) to which the information relates]				CXAM 080 HE Ccpt			
Air-to-water heat pump:		Yes					
Water-to-water heat pump:		No					
Brine-to-water heat pump:		No					
Low-temperature heat pump:		Yes					
Equipped with a supplementary heater:		No					
Heat pump combination heater:		Yes					
Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application.							
Parameters shall be declared for average, colder and warmer climate conditions							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	154	kW	Seasonal space heating energy efficiency	$\eta_s$	120	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	Pdh	136,0	kW	Tj = -7 °C	COPd or PERd	2,37	- or %
Tj = +2 °C	Pdh	82,8	kW	Tj = +2 °C	COPd or PERd	2,98	- or %
Tj = +7 °C	Pdh	53,2	kW	Tj = +7 °C	COPd or PERd	3,79	- or %
Tj = +12 °C	Pdh	23,6	kW	Tj = +12 °C	COPd or PERd	3,63	- or %
Tj = bivalent temperature	Pdh	136,0	kW	Tj = bivalent temperature	COPd or PERd	2,37	- or %
Tj = operation limit temperature	Pdh	126,8	kW	Tj = operation limit temperature	COPd or PERd	2,20	- or %
For air-to-water heat pumps: Tj = -15 °C (if TOL < -20 °C)	Pdh	0,0	kW	For air-to-water heat pumps: Tj = -15 °C (if TOL < -20 °C)	COPd or PERd	NA	- or %
Bivalent temperature	T biv	-7,0	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10,00	°C
Cycling interval capacity for heating	Pcyc	0,0	kW	Cycling interval efficiency	COPcyc or PERcyc	NA	- or %
Degradation co-efficient (**)	Cdh	0,0	-	Heating water operating limit temperature	WTOL	42,00	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P OFF	0,00	kW	Rated heat output (*)	Psup	26,88	kW
Thermostat-off mode	P TO	0,76	kW	Type of energy input	Electricity		
Standby mode	P SB	0,66	kW				
Crankcase heater mode	P CK	0,66	kW				
Other items				For air-to-water heat pumps: Rated air flow rate, outdoors			
Capacity control	Fixed			For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
Sound power level, indoors/ outdoors	LWA	91,7	dB				
Annual energy consumption	QHE	NA	kWh				
Declared load profile				Water heating energy efficiency			
				$\eta_{wh}$			
Daily electricity consumption	Q elec			Daily fuel consumption			
				Q fuel			
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption			
				AFC			
Contact details	TRANE 88190 Golbey - France						

(\*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj). (\*\*) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.