A	Model(s) : AE120RXYDEG
B	Air-to-water heat pump : yes
C	Water-to-water heat pump : no
D	Brine-to-water heat pump : no
E	Low-temperature heat pump : no
F	Equipped with a supplementary heater : yes
G	Heat pump combination heater : no
H	Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pump, parameters shall be declared for low-temperature application.
I	Parameters shall be declared for average climate conditions.

	Item (J)	Symbol (K)	Value (L)	Unit (M)
N	**Rated heat output(*)**	Prated (o)	12	kW
Q	**Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j**			
-	Tj = -7 °C	Pdh	10,6	kW
	Tj = +2 °C	Pdh	6,5	kW
	Tj = +7 °C	Pdh	4,2	kW
	Tj = +12 °C	Pdh	4,4	kW
T	Tj = bivalent temperature	Pdh	12,0	kW
U	Tj = operation limit temperature	Pdh	12,0	kW
V	For air-to-water heat pumps Tj = -15 °C (if TOL < -20 °C)	Pdh	-	kW
W	Bivalent temperature	Tbiv	-10	°C
Y	Cycling interval capacity for heating	Pcych	-	kW
AB	Degradation co-efficient (**)	Cdh	0,9	-
AD	**Power consumption in modes other than active mode**			
AF	Off mode	P_{OFF}	0,022	kW
AG	Thermostat-off mode	P_{TO}	0,022	kW
AH	Standby mode	P_{SB}	0,022	kW
AI	Crankcase heater mode	P_{CK}	0,000	kW
AL	**Other items**			
AM	Capacity control	variable (AN)		
AQ	Sound power level, indoors/ outdoors	L_{WA}	-/64	dB
AR	Emissions of nitrogen oxides	NOx	-	mg/kWh
AT	**For heat pump combination heater**			
AU	Declared load profile	-		
AW	Daily electricity comsumption	Q_{elec}	-	kWh
AY	Annual electricity consumption	AEC	-	kWh
AZ	**Contact details**	Samsung Electronics, PO Box 12987, Blackrock, Co. Dublin, Ireland or Blackbushe Business Park, Yateley, Gu46 6GG, UK		

	Item (J)	Symbol (K)	Value (L)	Unit (M)
P	**Seasonal space heating energy efficiency**	η_s	138	%
R	**Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj**			
-	Tj = -7 °C	COPd (S)	2,16	-
	Tj = +2 °C	COPd (S)	3,45	-
	Tj = +7 °C	COPd (S)	4,57	-
	Tj = +12 °C	COPd (S)	6,12	-
T	Tj = bivalent temperature	COPd (S)	1,96	-
U	Tj = operation limit temperature	COPd (S)	1,96	-
V	For air-to-water heat pumps Tj = -15 °C (if TOL < -20 °C)	COPd (S)	-	-
X	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Z	Cycling interval efficiency	COPcyc (AA)	-	-
AC	Heating water operating limit temperature	WTOL	-	°C
AE	**Supplementary heater**			
N	Rated heat output (*)	Psup	-	kW
AJ	Type of energy input	Electrical (AK)		
AL	**Other items**			
AO	For air-to-water heat pumps : Rated air flow rate, outdoors	-	5940	m^3/h (AP)
AS	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m^3/h (AP)
AT	**For heat pump combination heater**			
AV	Water heating energy efficiency	η_{wh}	-	%
AX	Daily fuel consumption	Q_{fuel}	-	kWh
AY	Annual electricity consumption	AEC	-	GJ

BA	(*) For heat pump space heaters and heat pump combination heaters, the rated that 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).
BB	(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
BC	1) Precautions as described in the installation/user manual must be taken when assembling, installing and maintaining this product.
BD	2) If you are a professional looking for information on non-destructive disassembly, dismantling and battery removability, please send an email to: erims.sec@samsung.com