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Summary of	Samsung EHS TDM Plus R410A 9 kW 3Phase (space heating/ 200L)	Reg. No.	011- 1W0375
Certificate Holder			
Name	Samsung Electronics Air Conditioner Europe B.V.		
Address	Evert van de Beekstraat 310	Zip	1118 CX
City	Schiphol	Country	Netherlands
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	TÜV Rheinland Korea Ltd.		
Subtype title	Samsung EHS TDM Plus R410A 9 kW 3Phase (space heating,	/ 200L)	
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.4 kg		
Certification Date	29.07.2020		
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 7		

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## Model: AE090MXTPGH/EU & AE200TNWTEH/EU

General Data	
Power supply	3x400V 50Hz

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	7.66 kW
El input	2.12 kW	2.82 kW
СОР	4.25	2.69
Indoor water flow rate	1.56 m³/h	0.86 m³/h

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

## **Average Climate**

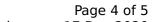


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	175 %	111 %
Prated	6.00 kW	5.00 kW
SCOP	4.44	2.86
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.00 kW	4.60 kW
COP Tj = -7°C	2.63	1.91
Cdh	0.90	0.90
Pdh Tj = +2°C	3.00 kW	2.80 kW
COP Tj = +2°C	4.47	2.78
Cdh	0.90	0.90
Pdh Tj = +7°C	3.20 kW	2.60 kW
COP Tj = +7°C	5.96	3.59
Cdh	0.90	0.90

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Pdh Tj = 12°C	3.00 kW	2.50 kW
COP Tj = 12°C	8.27	4.72
Cdh	0.90	0.90
Pdh Tj = Tbiv	5.60 kW	5.20 kW
COP Tj = Tbiv	2.31	1.68
Pdh Tj = TOL	5.60 kW	5.20 kW
COP Tj = TOL	2.31	1.68
WTOL	55 °C	55 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2644 kWh	3871 kWh
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Domestic Hot Water (DHW)

Average Climate





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	115 %	
СОР	2.75	
Heating up time	2:00 h:min	
Standby power input	82.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	225 I	