

**COMMISSION DELEGATED REGULATION (EU) No 811/2013**

**PRODUCT FICHE (ENERGY LABELLING OF COMBINATION HEATER)**



Supplier's name or trademark		-	Samsung Electronics Co, Ltd. & Joule Ireland				
B	Supplier's model identifier	-	AE050RXYDEG EU & Joule 200L H.G Cyclone	AE080RXYDEG EU & Joule 200L H.G Cyclone	AE120RXYDEG EU & Joule 300L H.G Cyclone	AE160RXYDEG EU & Joule 300L H.G Cyclone	
C	For space heating	-	Medium-temperature application				
E	For water heating	Load profile	L	L	XL	XL	
G	Seasonal space heating energy efficiency class	Medium-temperature	A++	A++	A++	A++	
		Low-temperature	A+++	A+++	A+++	A+++	
J	<b>Water heating energy efficiency class</b>	-	A+	A+	A+	A+	
K	Rated heat output (Average)	Medium-temperature	5.0	8.0	12.0	16.0	
		Low-temperature	5.0	8.0	13.0	16.0	
L	Annual energy consumption for space heating (Average)	Medium-temperature	3224	5113	7051	9379	
		Low-temperature	2548	3719	5725	7385	
M	<b>Annual electricity consumption for water heating (Average)</b>	kWh	692	729	1393	1245	
N	Seasonal space heating energy efficiency (Average)	Medium-temperature	%	125	126	138	138
		Low-temperature	%	175	175	185	176
O	Water heating energy efficiency (Average)	%	148	141	120	135	
P	L <sub>WA</sub> (sound power level, indoor)	dB	-				
Q	Work only during off-peak hours	(Yes/No)	No				
R	Specific precautions <sup>1)</sup>	-					
S	Rated heat output (Colder)	Medium-temperature	kW	4.0	6.5	11.0	14.5
		Low-temperature	kW	4.5	6.5	12.0	14.5
T	Rated heat output (Warmer)	Medium-temperature	kW	5.0	7.5	12.0	15.5
		Low-temperature	kW	5.0	7.5	13.0	15.5
U	Annual energy consumption for space heating (Colder)	Medium-temperature	kWh	3992	6333	10310	14017
		Low-temperature	kWh	3081	4426	8082	10390
V	Annual energy consumption for space heating (Warmer)	Medium-temperature	kWh	1801	2658	4164	5449
		Low-temperature	kWh	1102	1664	2731	3378
W	<b>Annual electricity consumption for water heating (Colder)</b>	kWh	823	886	1798	1538	
X	<b>Annual electricity consumption for water heating (Warmer)</b>	kWh	637	664	1249	1122	
Y	Seasonal space heating energy efficiency (Colder)	Medium-temperature	%	96	98	102	99
		Low-temperature	%	141	142	143	135
Z	Seasonal space heating energy efficiency (Warmer)	Medium-temperature	%	145	148	151	149
		Low-temperature	%	239	238	251	242
AA	Water heating energy efficiency (Colder)	%	124	116	94	109	
AB	Water heating energy efficiency (Warmer)	%	161	154	134	148	
AC	L <sub>WA</sub> (sound power level, outdoor)	dB	61	63	64	66	

AD <sup>1)</sup> Precautions as described in the installation/user manual must be taken when assembling, installing and maintaining this product

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Supplier's name or trademark		-	Samsung Electronics Co, Ltd.			
B	Supplier's model identifier	-	AE050RXYDEG EU / MIM-E03xN / Joule 200L H.G Cyclone	AE080RXYDEG EU / MIM-E03xN / Joule 200L H.G Cyclone	AE120RXYDEG EU / MIM-E03xN / Joule 200L H.G Cyclone	AE160RXYDEG EU / MIM-E03xN / Joule 200L H.G Cyclone
AE	<b>Preferential heater</b>	-				
AF	Seasonal space heating energy efficiency class (Average)	-	A++	A++	A++	A++
N	Seasonal space heating energy efficiency (Average)	%	127	128	140	140
Y	Seasonal space heating energy efficiency (Colder)	%	98	100	104	101
Z	Seasonal space heating energy efficiency (Warmer)	%	147	150	153	151
AG	Weight factor (Preferential and Supplementary heater)	-	0	0	0	0
AH	Value of III [294/(11 x • Prated)]	-	5.3	3.3	2.2	1.7
AI	Value of IV [115/(11 x • Prated)]	-	2.1	1.3	0.8	0.7
AJ	Difference between the seasonal space heating energy efficiencies under average and colder climate conditions	%	29	28	36	39
AK	Difference between the seasonal space heating energy efficiencies under warmer and average climate conditions	%	20	22	13	11
AL	<b>Water heating</b>	-				
AM	Seasonal water heating energy efficiency class (Average)	-	A+	A+	A+	A+
AN	Water heating energy efficiency of the combination heater (Average)	%	128	141	120	135
AO	Value of [(220 x Qref)/Qnonsol]	%	-	-	-	-
AP	Value of [(Qaux x 2,5)/(220 x Qref)]	%	-	-	-	-
AQ	Declared load profile (Average)	-	L	L	XL	XL
AO	<b>Temperature controls</b>	-				
A	Supplier's name or trademark	-	Samsung Electronics Co, Ltd.			
B	Supplier's model identifier	-	MIM-E03xN			
AS	the class of the temperature control	-	Class II			
AT	the contribution of the temperature control	%	2			

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