12 Appendix

12.1 ErP information

12.1.1 Product fiche - Boiler space heaters

Tab.8 Product fiche for boiler space heaters

Brand name – Product name		Paramount 30	Paramount 40
Seasonal space heating energy efficiency class (A++ to G)		A	Α
Rated heat output (Prated or Psup)	kW	29	37
Seasonal space heating energy efficiency	%	93	93
Annual energy consumption	GJ	90	114
Sound power level L _{WA} indoors	dB	50	53

See

For specific precautions about assembling, installing and maintaining: Safety, page 5

12.1.2 Product fiche - Boiler space heaters

Tab.9 Product fiche for boiler space heaters

Brand name – Product name		Paramount 50	Paramount 60	Paramount 80	Paramount 95	Paramount 115
Seasonal space heating energy efficiency class (A ++ to G)		A	A	-	-	-
Rated heat output (Prated or Psup)	kW	49	56	75	93	112
Seasonal space heating energy efficiency	%	93	93	-	-	-
Annual energy consumption	GJ	151	175	-	-	-
Sound power level L _{WA} indoors	dB	56	55	55	58	60



See

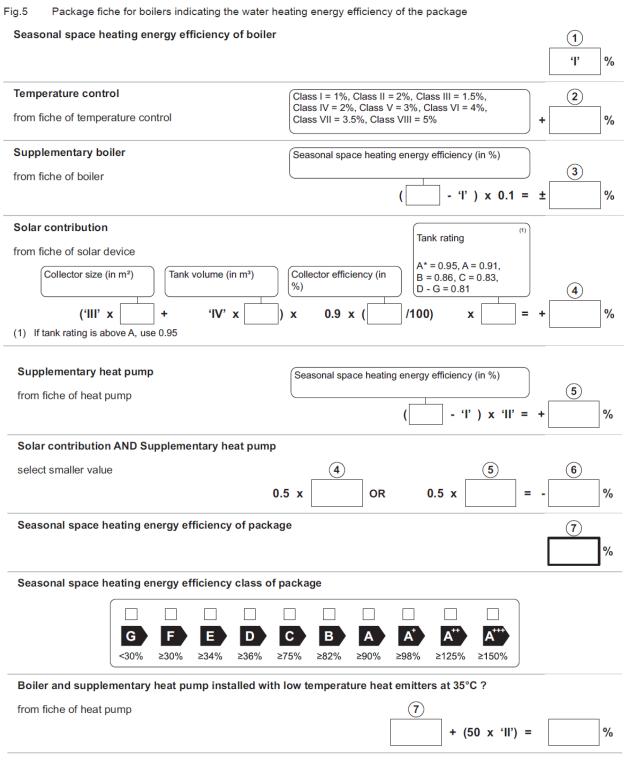
For specific precautions about assembling, installing and maintaining: Safety, page $5\,$

12.1.3 Product fiche – temperature control

Tab.10 Product fiche for temperature control

Brand name – Product name		Paramount			
		with outside temper- ature sensor (sup- plied state)	with room device RGx ⁽¹⁾	with outside temper- ature sensor and room device RGx ⁽¹⁾	
Class		II	V	VI	
Contribution to energy efficiency index heating	%	2.0	3.0	4.0	
(1) RGx = room device e.g. Basic/Top	•				

12.1.4 Package fiche - Boilers



The energy efficiency of the package of products provided for in this fiche may not correspond to its actual energy efficiency once installed in a building, as this efficiency is influenced by further factors such as heat loss in the distribution system and the dimensioning of the products in relation to building size and characteristics.

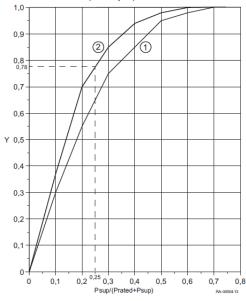
- I The value of the space heating energy efficiency of the preferential space heater, expressed in %.
- II The factor for weighting the heat output of the preferential and supplementary heaters of a package as set out in the following table.
- III The value of the mathematical expression: 26.73/Prated, whereby 'Prated' is related to the preferential space heater.
- IV The value of the mathematical expression 10.45/Prated, whereby 'Prated' is related to the preferential space heater.

Tab.11 Weighting of boilers

Psup / (Prated + Psup) ⁽¹⁾⁽²⁾ II, package without hot water storage tank		II, package with hot water storage tank			
0	0	0			
0.1	0.3	0.37			
0.2	0.55	0.70			
0.3	0.75	0.85			
0.4	0.85	0.94			
0.5	0.95	0.98			
0.6	0.98	1.00			
≥0.7	1.00	1.00			

- (1) The intermediate values are calculated by linear interpolation between the two adjacent values.
- (2) Psup: Rated heat output of the supplementary heater (here: heat pump) Prated: Rated heat output of the preferential space heater (here: boiler)

Fig.6 Interpolation of the intermediate values (example)



Key:

Y-axis:

- Value "II", package without hot water storage tank (curve 1)
- Value "II", package with hot water storage tank (curve 2)

Example:

- Package with hot water storage tank => curve 2
- PSUP/(Prated+Psup) = 0.25
- => Interpolated value for "II", package with hot water storage tank (curve 2) = 0.78

Tab.12 Package efficiency

Brand name - Product name		Paramount 30	Paramount 40
Regulator ISR Plus with outside temperature sensor	%	95	95

Tab.13 Package efficiency

Brand name - Product name		Paramount 50	Paramount 60	Paramount 80	Paramount 95	Paramount 115
Regulator ISR Plus with outside temperature sensor	%	95	95	ı	_	_

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