


Information requirements for warm air heaters Commission Regulation (EU) 2016/2281											
Information to identify the model(s) to which the information relates to: UDSBD-4E											
B1 warm air heater:		[NO]									
C2 warm air heater:		[NO]									
C4 warm air heater:		[NO]									
Type of fuel:		[GAS: G20/G25]									
Model:			015-4E	020-4E	025-4E	030-4E	035-4E	043-4E	050-4E	055-4E	064-4E
Item:	Symbol:	Unit:									
Capacity:											
Rated heating capacity:	$P_{rated,h}$	[kW]	14.77	18.35	25.75	29.59	35.06	43.01	49.47	55.69	65.45
Minimum capacity:	P_{min}	[kW]	8.83	8.96	12.64	14.56	17.25	21.14	24.31	27.31	31.99
Electric power consumption*:											
At rated heating capacity:	$e_{l,max}$	[kW]	0.50	0.50	1.66	1.66	1.70	1.70	1.70	1.70	1.70
At minimal capacity:	$e_{l,min}$	[kW]	0.50	0.50	1.66	1.66	1.70	1.70	1.70	1.70	1.70
In standby mode:	$e_{l,sb}$	[kW]	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Useful efficiency:											
Useful efficiency at rated heating capacity*:	η_{nom}	[%]	83.8	83.4	83.6	84.0	83.7	84.6	84.4	84.3	84.2
Useful efficiency at minimum capacity*:	η_{pl}	[%]	81.8	81.4	82.0	82.7	82.4	83.1	82.9	82.7	82.3
Other items:											
Envelope loss factor:	F_{env}	[%]	0	0	0	0	0	0	0	0	0
Ignition burner power consumption*:	P_{ign}	[kW]	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Emissions of nitrogen oxides [input energy (GCV)]*:	NO_x	[mg/kWh]	98.0	97.5	93.3	94.3	98.6	97.2	94.5	90.1	92.9
Emission efficiency:	$h_{s,flow}$	[%]	92.9	93.9	93.9	93.9	94.4	94.6	94.6	94.6	94.6
ErP seasonal space heating energy efficiency:	$\eta_{s,h}$	[%]	72.8	74.4	74.8	75.5	75.8	76.9	76.7	76.6	76.4
Thermal efficiency at rated heating capacity [NCV]:	η	[%]	93.1	92.6	92.8	93.3	93.0	93.9	93.7	93.6	93.5
* not required for electric warm air heaters											
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