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Summary of	ESTIA HWS-P805H8R	Reg. No.	011-1W0346
Certificate Holder			
Name	TOSHIBA AIR CONDITIONING		
Address	Porsham Close, Belliver Industrial Estate	Zip	PL6 7DB
City	Plymouth	Country	United Kingdom
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	ESTIA HWS-P805H8R		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.7 kg		
Certification Date	26.11.2019		

Model: HWS-P805H8R-E/HWS-P805XWHM3-E

Configure model	
Model name	HWS-P805H8R-E/HWS-P805XWHM3-E
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	7.26 kW
El input	1.71 kW	2.56 kW
COP	4.68	2.84

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	41 dB(A)	41 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	169 %	123 %
Prated	11.00 kW	10.00 kW
SCOP	4.31	3.16
Tbiv	-7 °C	-7 °C
TOL	-9 °C	-9 °C
Pdh Tj = -7°C	9.90 kW	9.10 kW
COP Tj = -7°C	2.90	2.01
Pdh Tj = +2°C	5.90 kW	6.00 kW
COP Tj = +2°C	4.15	3.06
Pdh Tj = +7°C	4.00 kW	3.60 kW
COP Tj = +7°C	5.73	4.13
Pdh Tj = 12°C	4.40 kW	4.20 kW
COP Tj = 12°C	7.51	6.32
Pdh Tj = Tbiv	9.90 kW	9.10 kW

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COP $T_j = T_{biv}$	2.90	2.01
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	8.80 kW	7.70 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	2.70	1.69
Rated airflow rate	5310 m ³ /h	5310 m ³ /h
WTOL	60 °C	60 °C
P _{off}	20 W	20 W
PTO	80 W	80 W
PSB	20 W	20 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	11.00 kW	10.00 kW
Annual energy consumption Q _{he}	5372 kWh	6750 kWh

Model: HWS-P805H8R-E/HWS-P805XWHT6-E

Configure model	
Model name	HWS-P805H8R-E/HWS-P805XWHT6-E
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

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Supplementary Heater: PSUP	11.00 kW	10.00 kW
Annual energy consumption Q _{he}	5372 kWh	6750 kWh

Model: HWS-P805H8R-E/HWS-P805XWHT9-E

Configure model	
Model name	HWS-P805H8R-E/HWS-P805XWHT9-E
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

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