

CERTIFICATE

Certificate holder	TOSHIBA AIR CONDITIONING Porsham Close Belliver Industrial Estate Plymouth PL6 7DB UNITED KINGDOM
Production facility	Kawasaki
Product	Air/Water Heat pumps
Type, Model	ESTIA HWS-P805H8R
Testing basis	DIN EN 14511-1; DIN EN 14511-2; DIN EN 14511-3; DIN EN 14511-4:2019-07 DIN EN 14825:2019-07 DIN EN 12102-1:2018-02 European KEYMARK Scheme for Heat Pumps Rev.6 (2019-03)
Mark of conformity	B
Registration No.	011-1W0346
Valid until	2029-11-30
Right of use	This certificate entitles the holder to use the mark of conformity shown above in conjunction with the specified registration number. See annex for further information. S. S.G.
	2019-11-26
DAkkS	DiplWiIng. (FH) Sören Scholz Head of Certification Body





ANNEX

Certificate

011-1W0346 dated 2019-11-26

Technical Data

See Heat Pump KEYMARK database for detailed information

Testing laboratory/ Inspection body Interstaatliche Hochschule für Technik Buchs NTB Wärmepumpen-Testzentrum WPZ Werdenbergstr. 4 9471 Buchs SWITZERLAND

Test report(s)

LW-407-19-20 dated 2019-07-22



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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	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	Heat Pump Test Center WPZ		
Subtype title	ESTIA HWS-P805H8R		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	HFC-410a		
Mass Of Refrigerant	2.7 kg		
Certification Date	26.11.2019		
Testing basis	n/a		



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

General Data	
Power supply	1x230V 50Hz

Average Climate

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)

Low temperature	Medium temperature
169 %	123 %
11.00	10.00
4.31	3.16
-7 °C	-7 °C
-9 °C	-9 °C
9.90 kW	9.10 kW
2.90	2.01
5.90 kW	6.00 kW
4.15	3.06
	4.31 -7 °C -9 °C 9.90 kW 2.90 5.90 kW

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PTO

PSB

PCK

Heating

Supplementary Heater: Type of energy input

Supplementary Heater: PSUP

Annual energy consumption Qhe

KEYMARK		Page 3 of 1
Tr	nis information was downloaded from the H	
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
COP Tj = Tbiv	2.90	2.01
Pdh Tj = TOL	8.80 kW	7.70 kW
COP Tj = TOL	2.70	1.69
Rated airflow rate	5310 m³/h	5310 m³/h
WTOL	60 °C	60 °C
Poff	20 W	20 W

80 W

20 W

14 W

electric

11.00 kW

5372 kWh

80 W

20 W

14 W

electric

10.00 kW

6750 kWh



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EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	7.26 kW
El input	1.71 kW	2.56 kW
СОР	4.68	2.84
Indoor water flow rate	1.39 mA³/h	0.78 mA³/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	

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

General Data	
Power supply	1x230V 50Hz

Average Climate

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	10.00	
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	
		1	

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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
COP Tj = Tbiv	2.90	2.01
Pdh Tj = TOL	8.80 kW	7.70 kW
COP Tj = TOL	2.70	1.69
Rated airflow rate	5310 m³/h	5310 m³/h
WTOL	60 °C	60 °C
Poff	20 W	20 W
РТО	80 W	80 W
PSB	20 W	20 W
РСК	14 W	14 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	11.00 kW	10.00 kW
Annual energy consumption Qhe	5372 kWh	6750 kWh

Heating

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	Low temperature	Medium temperature
Heat output	8.00 kW	7.26 kW
El input	1.71 kW	2.56 kW
СОР	4.68	2.84
Indoor water flow rate	1.39 mA³/h	0.78 mA³/h

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Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

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

General Data	
Power supply	1x230V 50Hz

Average Climate

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	10.00
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
		1

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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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Heating

Annual energy consumption Qhe

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6750 kWh



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