

This information was downloaded from the HP KEYMARK database on 10 Apr 2020

Summary of	ESTIA HWS-805	Reg. No.	011-1W0342
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		
Name of testing laboratory	Heat Pump Test Center WPZ		
Subtype title	ESTIA HWS-805		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	HFC-410a		
Mass Of Refrigerant	1.8 kg		
Certification Date	26.11.2019		
Testing basis	n/a		

## Model: HWS-805H-E/HWS-805XWHM3-E

### General Data

Power supply	1x230V 50Hz
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### Average Climate

#### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

#### EN 14825

	Low temperature	Medium temperature
$\eta_s$	161 %	127 %
Prated	6.00 kW	5.00 kW
SCOP	4.12	3.27
Tbiv	-7 °C	-7 °C
TOL	-7 °C	-7 °C
Pdh Tj = -7 °C	5.30 kW	4.90 kW
COP Tj = -7 °C	2.82	2.06
Pdh Tj = +2 °C	4.30 kW	3.10 kW
COP Tj = +2 °C	4.28	3.36

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Pdh Tj = +7°C	2.10 kW	2.00 kW
COP Tj = +7°C	5.98	4.41
Pdh Tj = 12°C	1.40 kW	1.40 kW
COP Tj = 12°C	7.23	5.86
Pdh Tj = Tbiv	5.30 kW	4.90 kW
COP Tj = Tbiv	2.82	2.06
Pdh Tj = TOL	5.30 kW	4.90 kW
COP Tj = TOL	2.82	2.06
Rated airflow rate	3140 m <sup>3</sup> /h	3140 m <sup>3</sup> /h
WTOL	55 °C	55 °C
Poff	17 W	17 W
PTO	80 W	80 W
PSB	17 W	17 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	electric	electric
Supplementary Heater: PSUP	6.00 kW	5.00 kW
Annual energy consumption Qhe	3020 kWh	3490 kWh

## Heating

<b>EN 14511-2</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
Heat output	7.51 kW	7.26 kW
El input	1.68 kW	2.65 kW
COP	4.46	2.74
Indoor water flow rate	1.37 m <sup>3</sup> /h	0.78 m <sup>3</sup> /h

<b>EN 14511-4</b>	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

## Model: HWS-805H-E/HWS-805XWHT6-E

### General Data

Power supply	1x230V 50Hz
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### Average Climate

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	Low temperature	Medium temperature
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<b>EN 14511-4</b>	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

## Model: HWS-805H-E/HWS-805XWHT9-E

### General Data

Power supply	1x230V 50Hz
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