Login

Summary of	ESTIA HWS-P1105	Reg. No.	011-1W0347
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-P1105		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.7 kg		
Certification Date	26.11.2019		

Model: HWS-P1105HR-E/HWS-P1105XWHM3-E

Configure model	
Model name	HWS-P1105HR-E/HWS-P1105XWHM3-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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	175 %	131 %
Prated	12.00 kW	9.00 kW
SCOP	4.48	3.38
Tbiv	-7 °C	-7 °C
TOL	-9 °C	-9 °C
Pdh Tj = -7°C	10.50 kW	7.70 kW

COP Tj = -7°C	2.71	1.93
Pdh Tj = +2°C	6.20 kW	4.80 kW
COP Tj = +2°C	4.37	3.43
Pdh Tj = +7°C	4.40 kW	3.10 kW
COP Tj = +7°C	6.42	4.52
Pdh Tj = 12°C	2.60 kW	2.60 kW
COP Tj = 12°C	7.09	5.99
Pdh Tj = Tbiv	10.50 kW	7.70 kW
COP Tj = Tbiv	2.71	1.93
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.20 kW	7.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.76
Rated airflow rate	5310 m³/h	5310 m³/h
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	120 W	120 W
PSB	17 W	17 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	12.00 kW	9.00 kW
Annual energy consumption Qhe	5523 kWh	5374 kWh

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	11.20 kW	10.21 kW
El input	2.30 kW	3.25 kW
COP	4.88	3.14

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

Model: HWS-P1105HR-E/HWS-P1105XWHT6-E

Configure model	
Model name	HWS-P1105HR-E/HWS-P1105XWHT6-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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	175 %	131 %
Prated	12.00 kW	9.00 kW
SCOP	4.48	3.38
Tbiv	-7 °C	-7 °C
TOL	-9 °C	-9 °C
Pdh Tj = -7°C	10.50 kW	7.70 kW

COP Tj = -7°C	2.71	1.93
Pdh Tj = +2°C	6.20 kW	4.80 kW
COP Tj = +2°C	4.37	3.43
Pdh Tj = +7°C	4.40 kW	3.10 kW
COP Tj = +7°C	6.42	4.52
Pdh Tj = 12°C	2.60 kW	2.60 kW
COP Tj = 12°C	7.09	5.99
Pdh Tj = Tbiv	10.50 kW	7.70 kW
COP Tj = Tbiv	2.71	1.93
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.20 kW	7.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.76
Rated airflow rate	5310 m³/h	5310 m³/h
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	120 W	120 W
PSB	17 W	17 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	12.00 kW	9.00 kW
Annual energy consumption Qhe	5523 kWh	5374 kWh

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	11.20 kW	10.21 kW
El input	2.30 kW	3.25 kW
COP	4.88	3.14

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

Model: HWS-P1105HR-E/HWS-P1105XWHT9-E

Configure model	
Model name	HWS-P1105HR-E/HWS-P1105XWHT9-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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	175 %	131 %
Prated	12.00 kW	9.00 kW
SCOP	4.48	3.38
Tbiv	-7 °C	-7 °C
TOL	-9 °C	-9 °C
Pdh Tj = -7°C	10.50 kW	7.70 kW

COP Tj = -7°C	2.71	1.93
Pdh Tj = +2°C	6.20 kW	4.80 kW
COP Tj = +2°C	4.37	3.43
Pdh Tj = +7°C	4.40 kW	3.10 kW
COP Tj = +7°C	6.42	4.52
Pdh Tj = 12°C	2.60 kW	2.60 kW
COP Tj = 12°C	7.09	5.99
Pdh Tj = Tbiv	10.50 kW	7.70 kW
COP Tj = Tbiv	2.71	1.93
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.20 kW	7.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.50	1.76
Rated airflow rate	5310 m³/h	5310 m³/h
WTOL	60 °C	60 °C
Poff	17 W	17 W
PTO	120 W	120 W
PSB	17 W	17 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	12.00 kW	9.00 kW
Annual energy consumption Qhe	5523 kWh	5374 kWh

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	11.20 kW	10.21 kW
El input	2.30 kW	3.25 kW
COP	4.88	3.14

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