

Toshiba Air Conditioning - Estia Split Data Sheet

HWS-1405XWHM3-E

Estia Split - Air-to-Water Heat Pump



Features

- High energy efficiency providing enhanced energy savings
- Quick and easy to install
- Large screen remote controller - simple, intuitive and easy to use
- Best in class performances

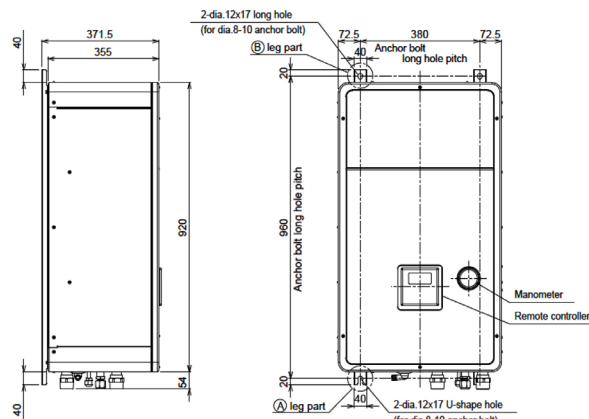
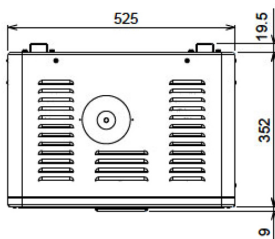
Hydro Unit Performance Data

Hydro unit combination	HWS-1405XWHM3-E	
Outdoor unit	HWS-1105H-E	
Seasonal space heating energy efficiency low temperature		
Energy efficiency class - low temperature	A++	
Seasonal space heating energy efficiency (η_s)	%	163
SCOP	4.15	
Under floor heating - air 7°C, water 35°C		
Maximum heating capacity	kW	14.63
Nominal heating capacity	kW	11.20
COP	W/W	4.88
Under floor heating - air -7°C, water 35°C		
Maximum heating capacity	kW	9.67
Heating capacity*	kW	8.04
COP	W/W	2.78
Under floor heating - air -15°C, water 35°C		
Maximum heating capacity	kW	7.52
Heating capacity*	kW	6.57
COP	W/W	2.50
Radiators heating - air 7°C, water 45°C		
Maximum heating capacity	kW	13.62
Radiators heating - air -7°C, water 45°C		
Maximum heating capacity	kW	9.16
Radiators heating - air -15°C, water 45°C		
Maximum heating capacity	kW	7.12
Seasonal space heating energy efficiency mid temperature		
Energy efficiency class - medium temperature	A++	
Seasonal space heating energy efficiency (η_s)	%	130
SCOP	3.33	
Radiators heating - air 7°C, water 55°C		
Maximum heating capacity	kW	10.98
Radiators heating - air -7°C, water 55°C		
Maximum heating capacity	kW	8.83
Nominal cooling capacity -air 35°C, water 7°C	kW	10.00
EER	W/W	3.07

Hydro Unit Physical Data

Hydro unit	HWS-1405XWHM3-E	
To be used with size		80
Electric back-up heater capacity	kW	9.0
Leaving water temperature space heating	°C	20-55
Leaving water temperature space cooling	°C	7-25
Dimensions (H x W x D)	mm	925 x 525 x 355
Weight	kg	49
Sound pressure level	dB(A)	27
Electric back-up heater supply	V-ph-Hz	220/230-1-50
Maximum current	A	13.0 x 3

Dimensional Drawings



Maximum heating capacities are shown at peak value during operation, at maximum compressor operating range in accordance with EN14511. Nominal heating capacities are given at water delta T 5 K and rated compressor operating frequency in accordance with EN14511.

* Heating capacities at -7°C are shown at maximum compressor operating frequency in accordance with EN14511.

Energy efficiency class and Seasonal space heating energy efficiency (η_s) are provided for average climate conditions in accordance with EN14825.

Cool Designs Ltd

Raising the Standards in Air Conditioning Distribution

www.cdlweb.info

