

Project: Camden Road
Spec: Heat_Pump_Schedule
Engineer: Ethan Thornton
Client: Morgan Sindall
Date: 04/12/2023
Ref: 123007-AGL-CA-XX-SH-M-0004
Revision: P01
Stage: Stage 4
Status: S3

Ref.	HP01		
General			
Quantity	1	Sub-refs	-
System Description	DHW Generation	Internal/External	External
Location	Roof	Manufacturer	Mitsubishi Heavy Industries
Type	Air to water	Model	Qton ESA30EH
Sub-type	2-Pipe Heating only	Sizing Methodology	1 No. @ 100%
Refrigerant			
Refrigerant	C02	GWP	1
Heating			
Winter Ambient °C	-15.0°C	Max Pressure	14 Bar
Heating Output kW	30.00 kW	Minimum Flow l/s	0.83 l/s
Flow / Return °C	75°C 10°C	Circulating Pump	
Flow kg/s	0.283 kg/s	Pump Available kPa	
CoP	2.80		
SCoP	3.52		
Dimensions & Weight			
Length mm	1,350 mm	Dry Weight kg	375 kg
Width mm	760 mm	Water Content L	
Height mm	1,690 mm	Notes	
Access Requirements	800mm		
Electrical			
Phase	3Φ	Amps	5A Start up - 21A Maximum
Sound Power Levels			
Noise	58dBa SPL		

Notes:
 Equipment to comply with all items within the Mechanical Specification(s).
 Manufacturers are equal or approved.
 Safety valves required to each individual heat pump before any isolation valve.

Checked by AM
 Date 30/11/2023