AQUASUSTAIN - DHP MEV

OSO

An environmentally friendly, highly efficient hot water cylinder with integrated heat pump for heating the hot water

SAP

A+ energy rating enables SAP compliance
NCM (SAP) identifier 200 - 108965
NCM (SAP) identifier 200 - 108964

Eco Friendly

Future solution with refrigerant gas R290 (GWP 3). Ozone Depletion Potential is zero.

Heats to 60°C via heat pump

Legionella safe, more hot water produced and does not require immersion to achieve 60°C

Touchscreen

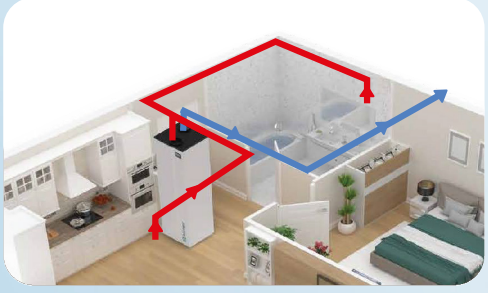
Tactile and intuitive for the user, with a 5 inch screen. Very user friendly

Fast and easy installation

Created to meet the needs of users and installers, it has been designed to facilitate simple installation and commissioning.

Build Quality

Stainless steel cylinder, cosmetic outer case and back up immersion heater.



Internal air intake MEV

External air intake

Air can be ducted from inside or outside

Technical information

Model	200 DHP	260 DHP
Cylinder		
Dimensions (H x W x D)mm	1540x584x624	1907x584x624
Capacity (L)	200	260
Heat loss (kWh/24h)	1.57	1.90
Heat loss (W)	67	73
Heat up time ECO Mode (Heatpump only) (Min)	372	517
Maximum operating pressure (bar)	6	
Product weight (Kg)	80	92
Weight full (Kg)	280	352
Package weight (Kg)	87.5	100
Heat exchanger (m_2)	0.39	0.39
Heat pump		
Load profile	L	XL
Heating power range (W)	1005-1750	
Annual electricity consumption (cold climate) kWh	1094	1576
Annual electricity consumption (average climate) kWh	830	1255.3
Annual electricity consumption (warm climate) kWh	772	1143
Power input range (W)	405-500	
Water heating energy efficiency, cold climate(%)	94	106
Water heating energy efficiency, average climate(%)	133	142
Water heating energy efficiency, warm climate(%)	133	147
COP (average climate)	2.95	3.24
COP (warm climate)	3.16	3.55
Efficiency class	A+	
Ambient temperature range ($_oC$)	-10/40	
DHW temperature range($_oC$)	35/60	
Default DHW temperature with HP($_oC$) ECO/AUTO	55/60	
Refrigerant/Charge (g)	R290/150	
Sound power (dB(A))	53	
Sound pressure at 2m (dB(A)) High speed	45.9	
Sound pressure at 2m (dB(A)) Low speed	41	
Auxiliary electric heater		
Power (W)	1500	
Maximum power consumption with electric heater (W)	2000	
Maximum temperature with electric heater ($_oC$)	70	
Air data		
Minimum air flow (m_3/h) (External air supply)	215	
Minimum air flow (m_3/h) (Internal air supply)	190	
Maximum flow rate (m_3/h) - Low speed	370	
Maximum flow rate (m_3/h) - High speed	438	
Static Pressure drop(Pa) - Low speed internal*/external**	115/100	
Static Pressure drop(Pa) - High speed internal*/external**	246/220	
Diameter of connection (mm)	150-160-200	
Connections		
Power supply v/ph/Hz	230/1/50	
Inlet/outlet/recirculation water connections (inch)	3/4	
Hydraulic connection safety valve / T&P (inch)	1/2	

Aquasustain is described on government database by searching in any of the following categories:

Heat Pump Category – Exhaust Air MEV

Service Provision – Water heating only

Brand name – OSO Hotwater

NCM (SAP) identifier 200 – 108965

NCM (SAP) identifier 260 – 108964

Heat Pump Category – Air Source for IHP

Service Provision – Water heating only

Brand name – OSO Hotwater

NCM (SAP) identifier 200 – 112012

NCM (SAP) identifier 260 – 112013

* intake ducting from inside (MEV) ** intake ducting from outside only

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