TAN-ASWH200-250

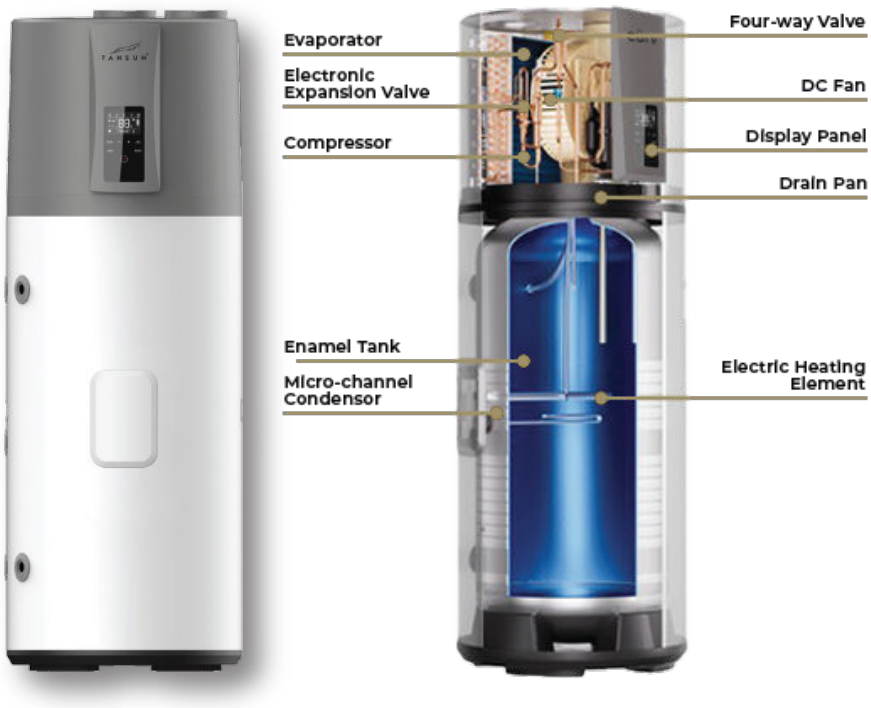
Floor Mounted 200L & 250L Air Sourced Hot Water Cylinders

TANSUN®
WORLD LEADERS IN RADIANT HEATING

Revolutionise Your Hot Water

The Tansun Air Sourced Hot Water Cylinder is a compact, high-efficiency solution for domestic hot water. It features a powerful built-in compressor and eco-friendly R290 refrigerant. Using a reverse refrigeration cycle, it extracts ambient heat from the air to rapidly heat water with minimal environmental impact.

With floor-mounted 200L and 250L capacities available, each unit provides a smart, space-saving option for reducing energy consumption and lowering household bills.



Benefits

- Compatible with infrared, electric, or gas heating systems
- Built-in R290 compressor for fast recovery times
- Ideal for homes seeking sustainable hot water solutions
- Very low energy consumption
- Low cost to run
- Suitable for Domestic or Commercial use

A+

R290 **REFRIGERANT**

HIGH **EFFICIENCY**

EASY SIMPLE **INSTALLATION**

LOW NOISE **OPERATION**

COP **UP TO 3.5**

MICRO-CHANNEL **CONDENSER**



CONTROL EVERYTHING

VIA SMART CONTROL APP

Control, monitor & schedule your home heating system straight from your phone. Personalise your system to your lifestyle.

Tank

	TAN-ASWH200	TAN-ASWH250
Tank Volume	192L	246L
Rated Voltage/Frequency	220V~240V/50Hz	220V~240V/50Hz
Tank Max Pressure	0.7MPa	0.7MPa
Thermal Insulation	50mm	50mm
Corrosion Protection	Magnesium rod	Electronic Anode
Insulation Protection Rating	IPX4	IPX4

Performance

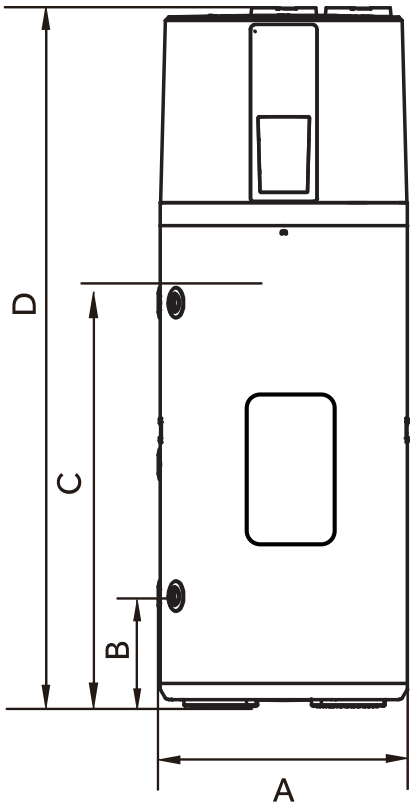
Type Of Extraction	Ambient / Exterior	Ambient / Exterior
COP @ 7°C / EN16147 [2]	3.268	3.21
COP @ 14°C / EN16147 [2]	3.5	3.45
Air Flow	300m³/h (83 l/s)	300m³/h (83 l/s)
Permissable Pressure (Guaranteed Performance) [1]	35 Pa	35 Pa
Permissable Pressure (Operating Performance) [1]	65 Pa	65 Pa
Tapping Cycle [2]	L	XL
Power Input By Electric Backup	1500W / 6.25 Amps	1500W / 6.25 Amps
Rated Power Input By Heat Pump	320W	320W
Maximum Power Input By Heat Pump	535W / 2.2 Amps	535W / 2.2 Amps
Maximum Power Input	2035W / 8.45 Amps	2035W / 8.45 Amps
Standby Power Input / Pes [2]	22W / 0.09 Amps	43W / 0.17 Amps
Heating Water Capacity	24L/h	24L/h
Heating Up Time (7°C) [2]	8.33h	10.51h
Heating Up Time (14°C) [2]	6.91h	9.04h
Volume Of Mixed Water At 40°C @ 7°C [2]	221L	314L
Reference Hot Water Temperature @7°C [2]	54.11°C	54.05°C
Default Temperature Setting	56°C	56°C
Maximum temperature output (HP Only)	65°C	65°C
Heating Temperature Range (HP & Heater)	35°C - 75°C	35°C - 75°C
Maximum Length Of Air Duct Combined Inlet/Outlet	22m	22m
Diameter Of Air Duct Connection	160mm	160mm
Max Air Quality	710m³/h	710m³/h
Max Working Pressure Of Refrigerant	1.0/3.3MPa	1.0/3.3MPa
Refrigerant Type /Weight	R290 /0.15kg	R290 /0.15kg
Sound Pressure Level [3]	50dB (A)	50dB (A)
Sound Pressure Level @1m	36dB	36dB
Ambient Temperature For Use Of Product	-7~45°C	-7~45°C
Operating Temperature Of Heat Pump	-7~45°C	-7~45°C
Thermal Dispersion [kW/24h]	0.53	1.032
Thermal Dispersion S [W]	22	43
Thermal Dispersion Ktant [W/K]	0.49	0.96
Wi-Fi Connection	Yes	Yes

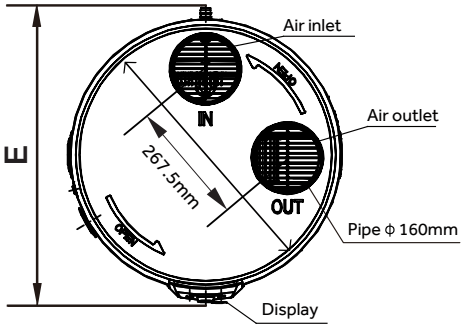
Dimension And Connections

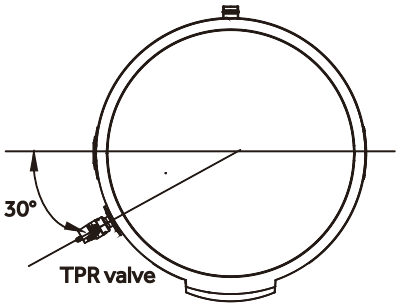
Water Inlet And Outlet Connection	Rp 3/4"M Large Flow	Rp 3/4*M Large Flow
TPR Valve Connection	R3/4"M	R3/4"M
Drain & Water Intlet Connection	R3/4"M	R3/4"M
Product Dimensions (W/D/H)	600 x 620 x 1694mm	600*620 x 1989mm
Packing Dimension With Pallet (W/D/H)	736 x 695 x 1940mm	736 x 695 x 2250mm
Net /Gross Weight	87/110kg	99/122kg

Accreditated By:

[1] The unit is rated to operate at up to 65 Pa external static pressure as stated in the manufacturer's installation manual; performance outside these conditions cannot be guaranteed. Project TANSUN accepts no responsibility for the design, sizing, installation, or performance of any ducting associated with its air source hot water cylinders. [2] According to EN 16147. [3] According to EN12102.
The COP and noise level data was tested in Haier lab.
The COP values obtained with external air temperature of 7°C and 14°C, inlet water temperature of 10°C and set temperature of 55°C.
(SHW080&SHW110,according to EN 16147), inlet water temperature of 10°C and set temperature of 54°C (SHW150, according to EN 16147).
The sound power level data obtained with extrenal air temperature of 7°C, inlet water temperature of 10°C and set temperature of 55°C, according to EN12102.



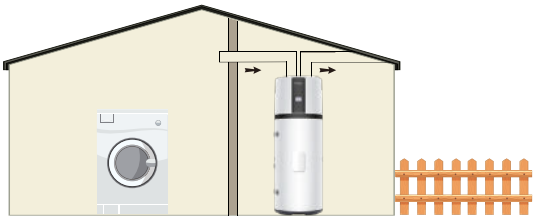




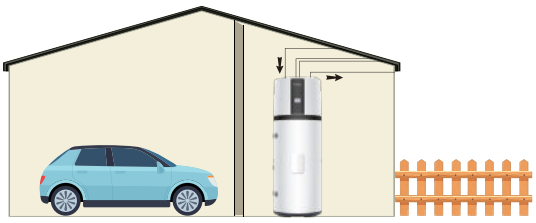
*Dimensions (mm)

Model	A	B	C	D	E
TAN-ASWH200	600	270	980	1694	620
TAN-ASWH250	600	270	1275	1989	620

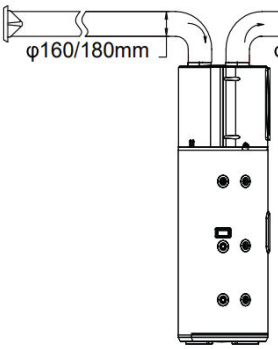
Ducting Options and Installation



Installation with 1 duct to the Laundry room and 1 to the outside



Installation with 2 ducts to the outside

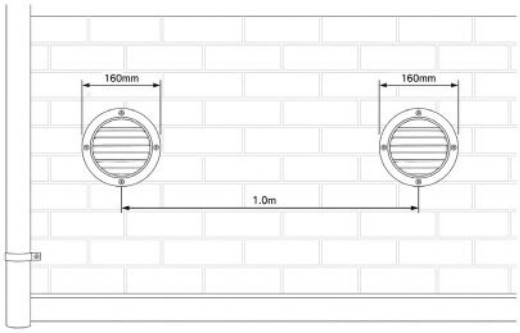


Note: This duct parameters for the system's default air speed parameters, if you need to lengthen the duct can be adjusted to use the system V1/V2 block to strengthen the exhaust air

Available pressure 35 Pa (Guaranteed performance) Available pressure 65 Pa (System can operate normally)		φ160mm		φ180mm	
		Drop Pressure (Pa)	Equivalent 1m-long	Drop Pressure (Pa)	Equivalent 1m-long
	PVC	1.50/1 meter	1.00	0.96/1 meter	1.00
	Al	2.75/1 meter	1.83	1.67/1 meter	1.74
	Gride	3.41/unit	2.27	2.69/unit	2.80
	90° PVC	4.49/unit	2.99	2.86/unit	2.98
	90° Al	3.54/unit	2.36	2.72/unit	2.83

Installation suggestions: 160mm	Installation suggestions: 180mm
x + y < 11 m (PVC) x + y < 6 m (Al)	x + y < 22 m (PVC) x + y < 13m (Al)

Termination Points



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