

Enviroscreen - ES Type D (HP)

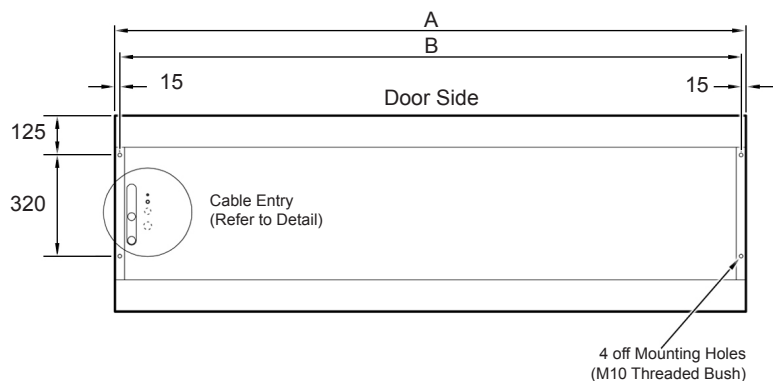
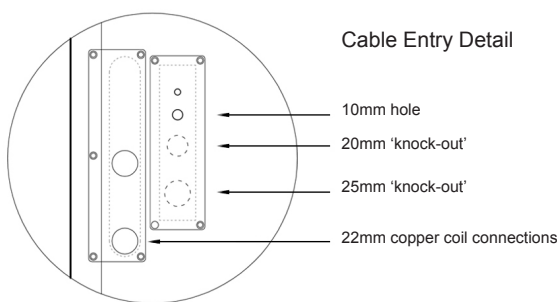
Designed for 'on-view' free-hanging applications, where energy efficiency is paramount.

The energy efficient Enviroscreen Type D (HP) has a removable return air mesh on the rear of the unit to replace the filter and a second removable panel on the underside to access internal components.

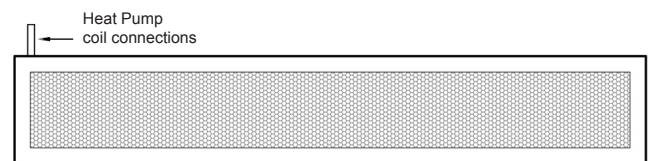
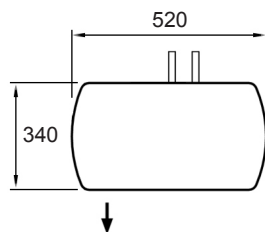
The air curtain is provided with a room sensor and matching heat pump inverter.

- Mounting Height: up to 3.0 metres
- Height x Depth: 340mm x 520mm
- Std Widths: 1000, 1500, 2000, 2500, 3000mm
- Mounting: Fixing holes provided to accommodate threaded rod (rod by others)
- Heat options: Heat Pump (for Ambient, LPHW & Electric, refer to separate data sheet)
- Spec options: Finish, colour, controls

Dimensions



Unit Ref	A	B
	mm	mm
ES Type D 10	1000	970
ES Type D 15	1500	1470
ES Type D 20	2000	1970
ES Type D 25	2500	2470
ES Type D 30	3000	2970



For further details, please refer to GA4034

Heater Output - Heat Pump (Inside Air Curtain)

Unit Ref	Width mm	Air Vol m ³ /s	HP Coil Connections		HP Coil Performance					Matched Toshiba Unit
			Inlet (Gas) inches	Outlet (Liquid) inches	Refrigerant Type	Charge litres	Air Off °C	Flow l/s	Output kW	Model Reference Type
ES Type D 10 HP	1000	0.42	7/8	5/8	R410a	1.8	30.0	0.05	7.74	RAV-SM804ATP-E
ES Type D 15 HP	1500	0.63	7/8	5/8	R410a	2.7	30.5	0.07	11.20	RAV-SM1104ATP-E
ES Type D 20 HP	2000	0.84	7/8	5/8	R410a	3.6	30.8	0.10	16.00	RAV-SM1603AT-E
ES Type D 25 HP	2500	1.05	7/8	5/8	R410a	4.5	31.0	0.13	20.64	RAV-SM2244AT8-E
ES Type D 30 HP	3000	1.26	7/8	5/8	R410a	5.4	31.0	0.15	24.77	RAV-SM2804AT8-E

Note - all Heat Pump heater selections are based on high fan speed and a return temperature of 15°C.

Heat Pump Inverter (Outside Evaporator Unit)

Toshiba Reference	RAV	SM804ATP-E	SM1104ATP-E	SM1603AT-E	SM2244AT8-E	SM2804AT8-E
Heating capacity	HP	3	4	6	8	10
Heating capacity (range)	kW	8	11.2	16	22.4	27
Power input	kW	2.21	3.1	4.43	5.82	7.48
Maximum COP	W/W	3.62	3.61	3.61	3.85	3.61
Airflow	l/s (m ³ /hr)	750 (2700)	1250 (4500)	1717 (6180)	2217 (7980)	2217 (7980)
Sound Pressure Level	dB(A)	50	54	53	57	58
Sound Power Level	dB(A)	67	71	70	74	75
Pipe Connection (gas - liquid)	in	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	1 1/8 - 1/2	1 1/8 - 1/2
Pipe length (min - max)	m	5 - 30	5 - 50	5 - 50	7.5 - 70	5 - 70
Pre-charged pipe length	m	20	30	30	30	30
Additional R410a charge	g/m	40	40	40	80	80
Base refrigerant charge	kg	1.7	2.8	3.1	5.9	5.9
Dimensions (h x w x d)	mm	550x780x290	795x900x320	1340x900x320	1540x900x320	1540x900x320
Weight	kg	42	77	99	134	134
Maximum operating current	A	10.1	14.4	23.9	18	22
Suggested fuse size	A	10	20	25	25	25
Supply	Phase	1	1	1	3	3

Heater Output - LPHW & Electric

LPHW, Electric and Ambient versions of the Universal air curtain are available. Please refer to separate data sheet.

General Data

Unit Ref	Width mm	Air Vol m ³ /s	Power kW	Motor		Weight kg	Wiring Heat Pump units wired to: GSS1130 / Multi Speed
				FLC Amps	SC Amps		
ES Type D 10 HP	1000	0.42	0.18	1.60	3.10	52	
ES Type D 15 HP	1500	0.63	0.25	2.40	4.79	73	
ES Type D 20 HP	2000	0.84	0.37	3.20	6.20	100	
ES Type D 25 HP	2500	1.05	0.44	4.00	7.89	121	
ES Type D 30 HP	3000	1.26	0.51	4.80	9.58	142	

Unit weights are approximate