



ENVIROSCREEN A HP

ES A 25 HP

2500mm long unit finished in silver powder coat

Width x Height: 385 x 520 mm
 Standard Finish: Gloss white powder coat - RAL9010
 Mounting Type: On View
 Mounting Height: 2200 ~ 3000mm
 Mounting Options: Hanging using drop rods

Note: this unit should not be mounted hard up against a ceiling due to top mounted filter

| Envirotec Air Curtain Reference | Air Curtain Length mm | Air Curtain Weight kg | Air Curtain Phase | Air Curtain Motor Power / FLC / Start kW / A / A | Toshiba Inverter Heat Pump Reference | Heat Pump Output (Max) kW | Heat Pump Phase | Heat Pump Pipe Length m | Heat Pump Weight kg |
|---------------------------------|--------------------------|--------------------------|-------------------|---|--------------------------------------|------------------------------|-----------------|----------------------------|------------------------|
| ES A 10 HP | 1000 | 47 | 1 | 0.184 / 2.0 / 6.0 | RAV-SM803AT-E | 1.5 - 8.0 | 1 | 5 - 30 | 42 |
| ES A 15 HP | 1500 | 66 | 1 | 0.184 / 2.5 / 7.5 | RAV-SM1103AT-E | 3.0 - 11.2 | 1 | 5 - 50 | 77 |
| ES A 20 HP | 2000 | 93 | 1 | 0.368 / 4.0 / 12.0 | RAV-SM1603AT-E | 3.0 - 16.0 | 1 | 5 - 50 | 99 |
| ES A 25 HP | 2500 | 109 | 1 | 0.368 / 4.5 / 13.5 | RAV-SM2244AT8-E | 9.8 - 22.4 | 3 | 5 - 70 | 133 |
| ES A 30 HP | 3000 | 127 | 1 | 0.368 / 5.0 / 15.0 | RAV-SM2804AT8-E | 9.8 - 28.0 | 3 | 5 - 70 | 133 |

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Toshiba Digital Inverter



Features

- Toshiba twin rotary compressor technology
- High efficiency inverter compressor
- Utilises R410a non-ozone depleting refrigerant
- Lightweight and easy to install
- no additional expansion valves or mechanical equipment

| Toshiba Reference | RAV | SM803AT-E | SM1103AT-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 | 28 |
| Power input | kW | 2.21 | 3.1 | 4.43 | 5.82 | 7.48 |
| Approximate COP | W/W | 3.62 | 3.61 | 3.61 | 3.85 | 3.61 |
| Airflow | l/s (m ³ /h) | 750 (2700) | 1250 (4500) | 1717 (6180) | 133 | 133 |
| Sound Pressure Level | dB(A) | 50 | 54 | 53 | 56/57 | 57/58 |
| Sound Power Level | dB(A) | 67 | 71 | 70 | 72/74 | 74/75 |
| Pipe connections (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 | 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 | 550 x 780 x 290 | 795 x 900 x 320 | 1340 x 900 x 320 | 1540 x 900 x 320 | 1540 x 900 x 320 |
| Weight | kg | 42 | 77 | 99 | 133 | 133 |
| 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 |



Room Sensor (AS21E2)

A wall mounted room sensor is provided with each 'Master' or 'stand-alone' air curtain, enabling the end user to vary the heat output.

One room sensor can control up to eight air curtains with a 'Master' & 'Slave' installation.

BMS Interface (FDP3-PE)

Supplied as an optional extra, this controls module will provide full BMS compatibility.



Access

The Toshiba Digital Inverter is designed with ease of maintenance in mind

Generous access is provided to all serviceable components

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