

# MODULAR FAN TRAYS



Model Number	Nominal Dimensions (in)	Voltage	Fans	Total CFM
<b>AC FAN TRAYS</b>				
OAT300	19 x 19 x 1.75	115VAC	3	312
OAT300S	19 x 14 x 1.75	115VAC	3	312
OAT300S-7	19 x 7 x 1.75	115VAC	3	312
OAT600	19 x 19 x 1.75	115VAC	6	624
OAT600S	19 x 14 x 1.75	115VAC	6	624
OAT900	19 x 19 x 1.75	115VAC	9	936
OAT302	19 x 19 x 1.75	230VAC	3	312
OAT302S	19 x 14 x 1.75	230VAC	3	312
OAT302S-7	19 x 7 x 1.75	230VAC	3	312
OAT602	19 x 19 x 1.75	230VAC	6	624
OAT602S	19 x 14 x 1.75	230VAC	6	624
OAT902	19 x 19 x 1.75	230VAC	9	936
OAT300-A	16.5 x 5.25 x 1.75	115VAC	3	312
OAT302-A	16.5 x 5.25 x 1.75	230VAC	3	312
<b>EC FAN TRAYS</b>				
OET305	19 x 19 x 1.75	80~265VAC	3	401
OET305S	19 x 14 x 1.75	80~265VAC	3	401
OET305S-7	19 x 7 x 1.75	80~265VAC	3	401
OET305-A	16.5 x 5.25 x 1.75	80~265VAC	3	401
OET605	19 x 19 x 1.75	80~265VAC	6	803
OET605S	19 x 14 x 1.75	80~265VAC	6	803
OET605S-ER	19 x 14 x 1.75	80~265VAC	6	803
OET905	19 x 19 x 1.75	80~265VAC	9	1,204
<b>DC FAN TRAYS</b>				
ODT301	19 x 19 x 1.75	12VDC	3	372.3
ODT301S	19 x 14 x 1.75	12VDC	3	372.3
ODT301-A	16.5 x 5.25 x 1.75	12VDC	3	372.3
ODT601	19 x 19 x 1.75	12VDC	6	744.6
ODT601S	19 x 14 x 1.75	12VDC	6	744.6
ODT901	19 x 19 x 1.75	12VDC	9	1,116.9
ODT303	19 x 19 x 1.75	24VDC	3	372.3
ODT303S	19 x 14 x 1.75	24VDC	3	372.3
ODT303-A	16.5 x 5.25 x 1.75	24VDC	3	372.3
ODT603	19 x 19 x 1.75	24VDC	6	744.6
ODT603S	19 x 14 x 1.75	24VDC	6	744.6
ODT903	19 x 19 x 1.75	24VDC	9	1,116.9
ODT304	19 x 19 x 1.75	48VDC	3	372.3
ODT304S	19 x 14 x 1.75	48VDC	3	372.3
ODT304-A	16.5 x 5.25 x 1.75	48VDC	3	372.3
ODT604	19 x 19 x 1.75	48VDC	6	744.6
ODT604S	19 x 14 x 1.75	48VDC	6	744.6
ODT904	19 x 19 x 1.75	48VDC	9	1,116.9

\* 3-Fan Additional Expansion Module

AC trays use Orion OA109AP-xx-1TB fans  
 EC trays use Orion OA109EC-UR-1^BXC fans  
 DC trays use Orion OD1238-xxHB fans  
 Other speeds available as custom build options.  
 xx = Voltage type, ^ = Terminal or Wire Lead type



## Standard Tray

D = 19" W = 19" H = 1.75"  
 AC/EC Includes 6' cord with NEMA 5-15P plug. IEC320 plug is optional. See Part Number Configuration Document.



## Shortened Rail Trays

Part numbers with "S" use shortened ~14" side rails.  
 Part numbers with "S-7" use shortened ~7" rails. These models cannot be expanded to a 9 Fan configuration.



## Expansion Modules

For maximum flexibility, you can add or remove fan modules quickly and easily as your cooling needs change.

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## Fan Tray Specifications

### Frame

Heavy duty steel construction with extruded aluminum side rails. Black color is standard, other colors and coatings are available by special order.

### Hardware

Compatible with EIA-310-D standard rack mounting screws and associated hardware.

### Configurations

Standard trays have 3, 6, or 9 fans installed. Our ADD-A-MODULE design allows the user to easily increase or decrease the number of fans in 3-fan increments. Trays with "S" in the part number can feature 3 or 6 fans. Trays with "S-7" in the part number can only feature 3 fans. "S" and S-7" models are not expandable after sale.

Standard fan trays are populated with high speed, ball bearing fans. We can substitute virtually any 120mm AC, DC, or EC fan for your special project, although substitutions may affect UL certification status. EC Trays use UL Recognized Components but the trays do not carry UL certification on the tray assembly. Air flow is in upward direction as standard, and a protective steel wire guard is provided over the exhaust (label) side of the fans. If an additional guard is desired over the intake of the fan, option -G should be added to the part number.

Optional lighted on/off rocker power switch with IEC320 C14-type power inlet connector on back by request.

### Power Connection

AC and EC fan trays have standard 115V or 230 VAC Power cords or inlets featuring either NEMA 5-15P termination, or optional IEC320 C14. DC fan trays come with rear mounted barrier strip screw terminals for the power connection.

### Options

Ultra-short 3-fan trays available. Lighted On/Off rocker switches. Standard rocker switches with protection fuses. Fan monitor outputs and alarm notification lights. Fan speeds can be customized for greater airflow or lower noise.

### Custom Trays

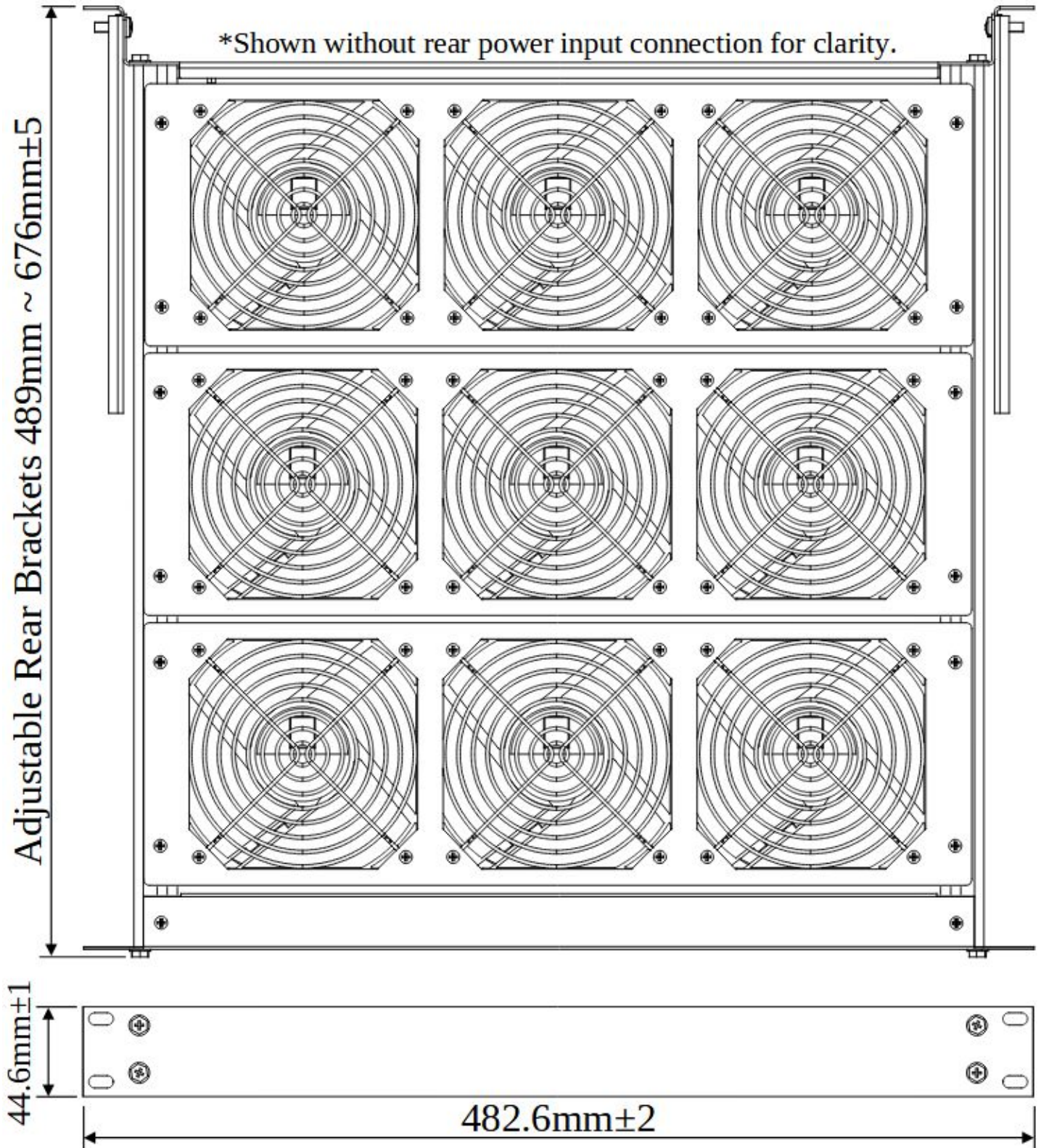
Orion Fans fan trays are available in dozens of stock configurations. If you cannot find what you are looking for, contact us. We can design and build your trays from scratch or we can help you come up with design solutions. Please note that custom designs will require lead time for design and development, quoting, first article production, and volume production.

See following pages for dimensional drawings.

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## Full Size Tray Dimensions

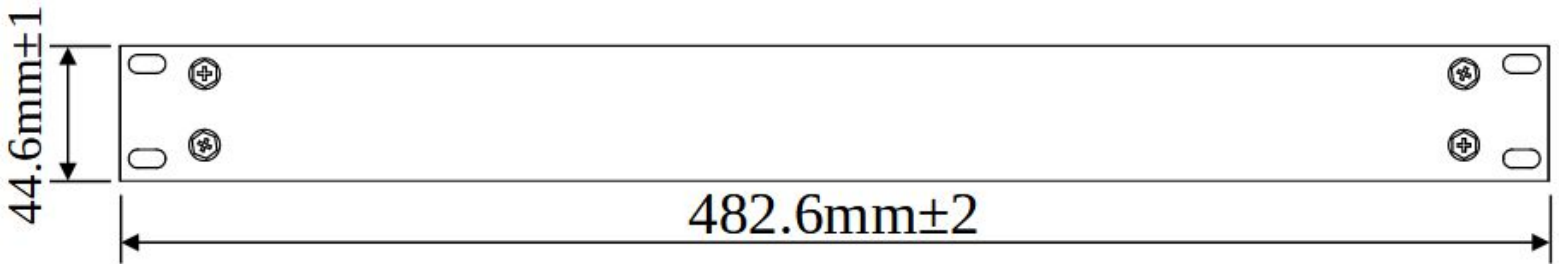
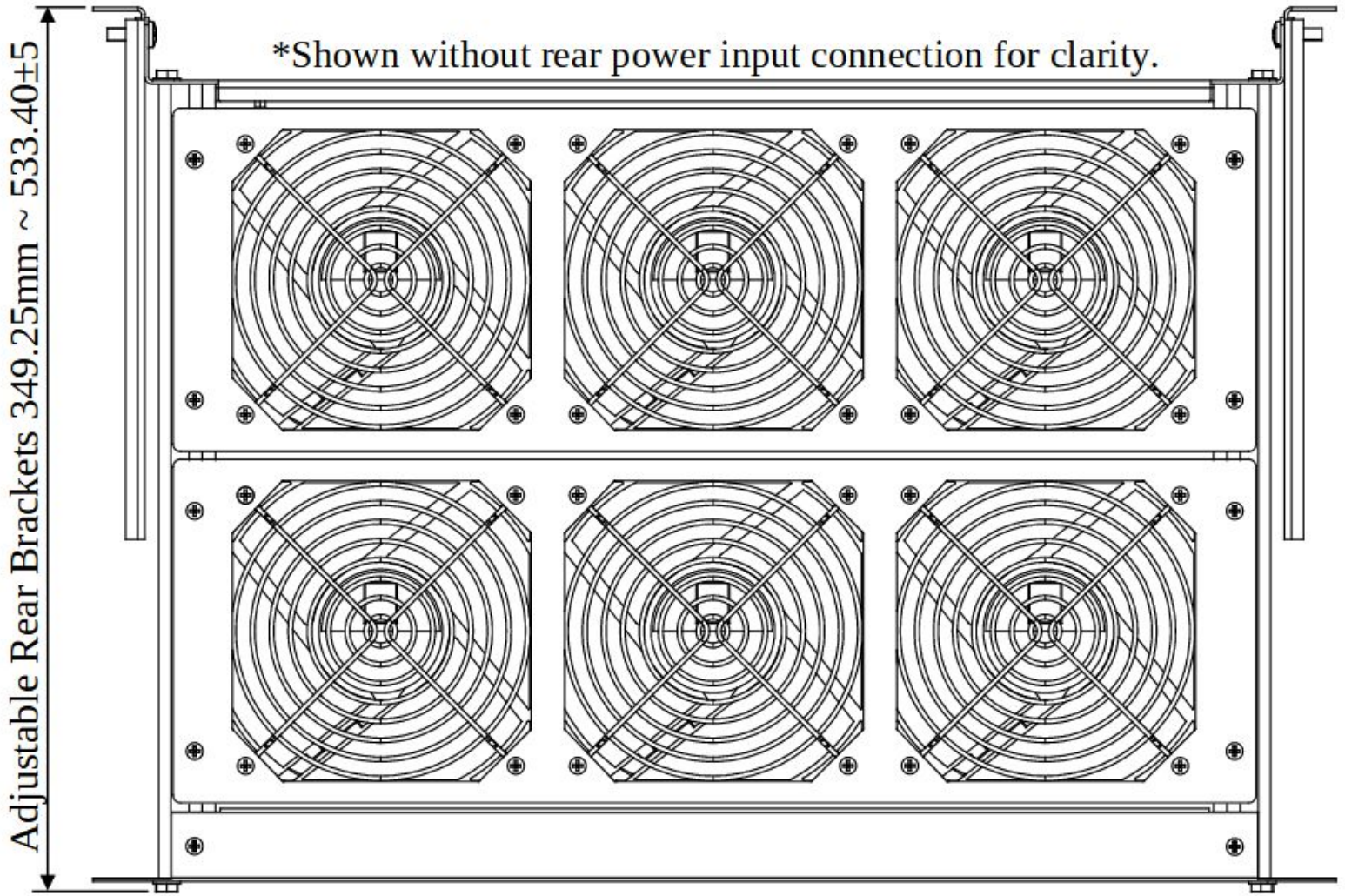


# MODULAR FAN TRAYS



## Shortened "S" Style Tray Dimensions

\*Shown without rear power input connection for clarity.



# MODULAR FAN TRAYS



## Shortened "S-7" Style Tray Dimensions

