

|                           |                                |
|---------------------------|--------------------------------|
| <b>SERIES</b>             | AC401                          |
| <b>AVAILABLE OPTIONS</b>  | Electric Heated   Water Heated |
| <b>MODELS</b>             | 59E16, 79E16   59W32, 79W47    |
| <b>AVAILABLE VOLTAGES</b> | 208V/240V/3, 480V/3, 600V/3    |

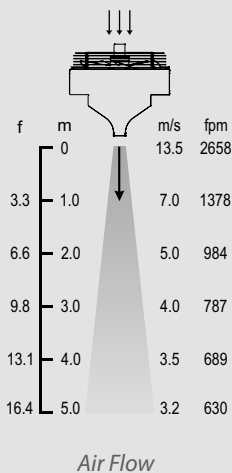
## OVERVIEW



**Intertek**

Series 401 – Designed specifically for high humidity locations i.e. car, truck or bus wash bays, industrial and production drying facilities etc.

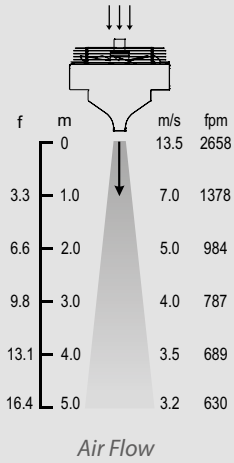
### Electric Heated



| GENERAL CHARACTERISTICS        |                   |                    |                    |
|--------------------------------|-------------------|--------------------|--------------------|
| MODEL                          |                   | 59E16              | 79E16              |
| Heat Output                    | kBTU/h            | 54.9               | 36.5               |
|                                | kW                | 16.1               | 10.7               |
| Air Volume                     | cfm               | 2237               | 3500               |
|                                | m <sup>3</sup> /h | 3800               | 6000               |
| Max. Door Height               | ft                | 16.4               |                    |
|                                | m                 | 5.0                |                    |
| Temperature rise               | °F                | 22.5               | 25.2               |
|                                | °C                | 12.5               | 14                 |
| Length                         | ft                | 4.9                | 6.6                |
|                                | mm                | 1500               | 2000               |
| Dimensions (L x W x H)         | in                | 58.7 x 21.8 x 20.2 | 79.5 x 21.8 x 20.2 |
|                                | mm                | 1495 x 555 x 515   | 2020 x 555 x 515   |
| Weight                         | lb                | 128                | 168                |
|                                | kg                | 58                 | 76                 |
| Motor Input                    | hp                | 0.74               | 1.09               |
|                                | W                 | 540                | 800                |
| Sound Level at 5 m (distance)  | dB(A)             | 65                 | 66                 |
| *Max. Current unit (208V)      | A                 | 49.5               | 50.8               |
| Maximum motor current          | A                 | 2.6                | 3.9                |
| *Max. Current heating elements | A                 |                    |                    |
|                                | 480 V             | 20.2               | 20.2               |
|                                | 600 V             | 16.2               | 16.2               |

\* See page 6.

### Water Heated



| GENERAL CHARACTERISTICS       |                          |  |  |
|-------------------------------|--------------------------|--|--|
| MODEL                         |                          | 59W32                                  | 79W47                                  |
| Voltage                       | V/PH/Hz                  | 208/3/60                               |  |
| Heat Output                   | kBTU/h<br>kW             | 109.2<br>32.0                          | 161.8<br>47.4                          |
| Air Volume                    | cfm<br>m <sup>3</sup> /h | 2120<br>3600                           | 2950<br>5000                           |
| Max. Door Height              | ft<br>m                  | 16.4<br>5.0                            |  |
| Temperature rise              | °F<br>°C                 | 46.8<br>26                             | 48.6<br>27                             |
| Length                        | ft<br>mm                 | 4.9<br>1500                            | 6.6<br>2000                            |
| Dimensions (L x W x H)        | in<br>mm                 | 58.7 x 21.8 x 20.2<br>1495 x 555 x 515 | 79.5 x 21.8 x 20.2<br>2020 x 555 x 515 |
| Weight                        | lb<br>kg                 | 132.5<br>60                            | 168<br>76                              |
| Motor Input                   | hp<br>W                  | 0.74<br>540                            | 1.09<br>800                            |
| Max. Current                  | A                        | 0.9                                    | 1.3                                    |
| Sound Level at 5 m (distance) | dB(A)                    | 60                                     | 62                                     |

| THERMAL CHARACTERISTICS (Thermal characteristics at ambient room temperature 59°F (15°C) and maximum air flow) |              |                   |                   |                   |                  |                  |                  |  |
|--|--------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|--|
| MODEL  |              | 59W32             |                   |                   |                  |                  |                  |  |
| Water Temperature at Intel/Outlet  | °F<br>°C     | 302/158<br>150/70 | 266/158<br>130/70 | 221/158<br>105/70 | 203/158<br>95/70 | 176/140<br>80/60 | 140/104<br>60/40 |  |
| Heat Output  | kBTU/h<br>kW | 122.9<br>36       | 118.4<br>34.7     | 111.9<br>32.8     | 109.2<br>32      | 88.1<br>25.8     | 45.1<br>13.2     |  |
| Air Temperature rise   | °F<br>°C     | 52.5<br>29        | 50.4<br>28        | 48.6<br>27        | 46.8<br>26       | 37.8<br>21       | 19.8<br>11       |  |
| Water Flow   | USGPH<br>l/s | 123.65<br>0.13    | 152.18<br>0.16    | 247.29<br>0.26    | 332.89<br>0.35   | 332.89<br>0.35   | 171.20<br>0.18   |  |
| MODEL  |              | 79W47             |                   |                   |                  |                  |                  |  |
| Water Temperature at Intel/Outlet  | °F<br>°C     | 302/158<br>150/70 | 266/158<br>130/70 | 221/158<br>105/70 | 203/158<br>95/70 | 176/140<br>80/60 | 140/104<br>60/40 |  |
| Heat Output  | kBTU/h<br>kW | 195.2<br>57.2     | 182.9<br>53.6     | 167.9<br>49.2     | 161.8<br>47.4    | 130.7<br>38.3    | 73.0<br>21.4     |  |
| Air Temperature rise   | °F<br>°C     | 59.4<br>33        | 55.8<br>31        | 48.6<br>27        | 48.6<br>27       | 39.6<br>22       | 21.6<br>12       |  |
| Water Flow   | USGPH<br>l/s | 190.22<br>0.20    | 237.78<br>0.25    | 361.43<br>0.38    | 494.58<br>0.52   | 494.58<br>0.52   | 275.83<br>0.29   |  |

\* For water heaters this is 203 °F/158 °F (95°C/70°C) hot water