

# ODMD Series Modular Desiccant Air Dryers



## Technical Specifications ODMD (3-240 scfm)

| Model    | Capacity | Voltage      | Coupling Size | Max. Pressure | Dimensions (inch) |      |      | Weight |
|----------|----------|--------------|---------------|---------------|-------------------|------|------|--------|
|          | scfm     |              |               |               | V                 | L    | W    | H      |
| ODMD-3   | 3        | 115-240/1/60 | 1/2" NPT      | 230           | 13,2              | 12,6 | 22   | 37     |
| ODMD-5   | 5        | 115-240/1/60 | 1/2" NPT      | 230           | 12,6              | 12,6 | 25   | 41     |
| ODMD-10  | 10       | 115-240/1/60 | 1/2" NPT      | 230           | 12,6              | 12,6 | 35,5 | 59     |
| ODMD-15  | 15       | 115-240/1/60 | 1/2" NPT      | 230           | 13,8              | 14,5 | 31,8 | 68     |
| ODMD-20  | 20       | 115-240/1/60 | 1/2" NPT      | 230           | 13,8              | 14,5 | 43,6 | 92     |
| ODMD-25  | 25       | 115-240/1/60 | 1/2" NPT      | 230           | 13,8              | 14,5 | 49,5 | 105    |
| ODMD-30  | 30       | 115-240/1/60 | 1/2" NPT      | 230           | 13,8              | 14,5 | 59,4 | 118    |
| ODMD-40  | 40       | 115-240/1/60 | 1 1/2" NPT    | 230           | 19,5              | 16,1 | 49,2 | 143    |
| ODMD-50  | 50       | 115-240/1/60 | 1 1/2" NPT    | 230           | 19,5              | 16,1 | 55,1 | 156    |
| ODMD-60  | 60       | 115-240/1/60 | 1 1/2" NPT    | 230           | 19,5              | 16,1 | 68,8 | 171    |
| ODMD-75  | 75       | 115-240/1/60 | 1 1/2" NPT    | 230           | 24,5              | 17   | 51,1 | 202    |
| ODMD-100 | 100      | 115-240/1/60 | 1 1/2" NPT    | 230           | 24,5              | 22   | 58   | 264    |
| ODMD-120 | 120      | 115-240/1/60 | 1 1/2" NPT    | 230           | 24,5              | 25   | 68,8 | 292    |
| ODMD-180 | 180      | 115-240/1/60 | 1 1/2" NPT    | 230           | 28,9              | 16,1 | 59   | 409    |
| ODMD-240 | 240      | 115-240/1/60 | 1 1/2" NPT    | 230           | 35                | 16,1 | 59   | 517    |

- Max. working pressure: 230 psig.
- Max. ambient temperature: 122 °F.
- Max. Inlet temperature: 122 °F
- Pressure Dew point -40 °F, optional -94 °F
- Different voltage options are available.

### CORRECTION FACTORS FOR ODRD DRYERS

| Pressure (psi)         | 50   | 60   | 70   | 80   | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 175  | 200  | 225  | 250  |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| X1                     | 0,56 | 0,65 | 0,74 | 0,83 | 0,91 | 1,00 | 1,06 | 1,08 | 1,12 | 1,16 | 1,20 | 1,29 | 1,37 | 1,45 | 1,52 |
| Inlet Temperature (°F) | 70   | 80   | 90   | 100  | 105  | 110  | 115  | 120  | -    | -    | -    | -    | -    | -    | -    |
| X2                     | 1,12 | 1,09 | 1,06 | 1    | 0,93 | 0,86 | 0,8  | 0,75 | -    | -    | -    | -    | -    | -    | -    |