

# DRYER DATA SHEET

## Refrigerant Dryers

| MODEL DATA |                                     |                        |                 |                   |
|------------|-------------------------------------|------------------------|-----------------|-------------------|
| 1          | Manufacturer                        | Ingersoll Rand         |                 |                   |
| 2          | Date                                | 3/12/25                |                 |                   |
| 3          | Model Number                        | <b>DA850NVCW40G000</b> |                 |                   |
| 4          | Cycling/Non-Cycling                 | <b>Cycling</b>         |                 |                   |
| 5          | Refrigerant Type                    | <b>R513A</b>           |                 |                   |
| 6          | Air/Water Cooled                    | <b>Water</b>           |                 |                   |
| 7          | Voltage                             | <b>460</b>             |                 |                   |
|            | <b>DESCRIPTION</b>                  | <b>FULL FLOW</b>       | <b>10% FLOW</b> | <b>UNITS</b>      |
| 8          | Tested Flow                         | <b>500</b>             | <b>50</b>       | scfm <sup>b</sup> |
| 9          | Outlet Pressure Dewpoint            | <b>39</b>              | <b>38</b>       | °F                |
| 10         | Pressure Drop                       | <b>1.5</b>             | <b>0.12</b>     | psi(d)            |
| 11         | Total Dryer Input Power             | <b>2.2</b>             | <b>0.6</b>      | kW                |
| 12         | Specific Package Power <sup>c</sup> | <b>0.44</b>            | <b>0.12</b>     | kW/100 scfm       |

Notes:

a. Dryer ratings at the following inlet conditions to the dryer (as per ISO 7183, Table 2, Option A2):

- Inlet Compressed Air Temperature: 100°F (38°C)
- Inlet Compressed Air Pressure: 100 psig (7 Bar)
- Max. Ambient Air Temperature: 100°F (38°C)
- Inlet Compressed Air Relative Humidity: 100% (Saturated)

b. SCFM defined as the volume of free air in cubic feet per minute measured at 14.5 psia (1.0 Bar), 68°F (20°C) temperature and 0% R.H. (0 WVP).

c. (Total Dryer Input Power/tested flow) x 100

Member



This form was developed by the Compressed Air and Gas Institute for the use of its members. CAGI has not independently verified the reported data.

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