

## 3 HP DuraChill® Chiller; Air-Cooled



DCA300

### Key Specifications

|                                    |   |
|------------------------------------|---|
| Description                        | 3 HP Chiller; Air-Cooled; Up to 10.5kW @ 20°C |
| Display                            | LED   |
| Connectivity                       | Standard: RS232; Optional: RS485              |
| Working Temperature Range °C       | 5° to 35°                                     |
| Temperature Stability °C           | ±0.5°   |
| Temperature Calibration Capability | 1-point                                       |
| Pump Type                          | Contact PolyScience for Options               |

### Key Features

## Key Features

- DuraChill<sup>®</sup> Chillers 2HP and up are not available outside of the United States
- High capacity cooling for lasers, EDM equipment, injection molding, and other heat removal applications
- Displays temperature and pressure or flow rate simultaneously
- User-adjustable temperature, pressure, and flow rate alarms
- Simple operation and maintenance
- Air- or water-cooled (3 HP models)
- Wide variety of pump options available

## Common Specifications

|  |                                 |
|--|---------------------------------|
| Working Temperature Range °F                             | 41° to 95°                      |
| Working Temperature Range °C                             | 5° to 35°                       |
| Cooling Capacity   | Up to 10.5kW @ 20°C             |
| Reservoir Capacity (gallons)                             | 7                               |
| Reservoir Capacity (liters)                              | 26.5                            |
| Reservoir/Tank Material                                  | Contact PolyScience for Options |
| Reservoir Cover  | Screw-on Cap                    |
| Cleanable Air Filter                                     | Yes                             |
| Cleanable Fluid Filter                                   | Yes                             |
| Temperature Stability °F                                 | ±0.9°                           |
| Temperature Stability °C                                 | ±0.5°                           |
| Display  | LED                             |
| Display Resolution (Read)                                | 0.1                             |
| Pump Type  | Contact PolyScience for Options |
| Process Connections                                      | 3/4" (F) NPT                    |
| Over-Temperature Protection /<br>Failsafe Heater Control | Yes                             |
| Reservoir Liquid Level Indicator                         | Yes                             |
| Cool Command Refrigeration<br>Technology                 | Yes                             |
| Reservoir Drain  | Yes                             |
| Maximum Ambient Temperature °F                           | 95°                             |
| Maximum Ambient Temperature °C                           | 35°                             |
| Overall Dimensions (L x W x H)<br>(inches)               | 30.5 x 37 x 42 in               |
| Overall Dimensions (L x W x H) (cm)                      | 78 x 94 x 107 cm                |

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|                             |       |
|-----------------------------|-------|
| Compressor Size (HP)        | 3     |
| Refrigerant                 | R134a |
| Shipping Weight (pounds)    | 570.0 |
| Shipping Weight (kilograms) | 259.0 |
| Catalog Page Number         | 105   |

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### **60 Hz Only**

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|--|---------------------------------|
| Electrical Requirements<br>(VAC/Hz/Ph/A) | Contact PolyScience for Options |
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### **50 Hz Only**

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|--|---------------------------------|
| Electrical Requirements<br>(VAC/Hz/Ph/A) | Contact PolyScience for Options |
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**Source URL (modified on 09/03/2015 - 16:22):** <https://www.polyscience.com/chillers/dca300-3-hp-durachill-chiller-air-cooled>