



# CDA & CDW

## Refrigerant Air Dryer

For Asia

### STANDARD MODEL



Proposed Models Of Tropical Southeast Asia Air Inlet Temperature 65 °C

**Warranty**  
Compressor  
Evaporator **2** years

High-Efficiency / High-Quality



## Technical Specification of CDA Series Air cooled Dryer

| MODEL   | AIR FLOW              |       | POWER SUPPLY<br>V/Ph/Hz | NOMINAL POWER<br>kw | CONNECTION<br>inch | DIMENSION |     |      | WEIGHT<br>kg. | REFRIGERANT  |
|---------|-----------------------|-------|-------------------------|---------------------|--------------------|-----------|-----|------|---------------|--------------|
|         | (m <sup>3</sup> /min) | (CFM) |                         |                     |                    | L.        | W.  | H.   |               |              |
| CDA-3   | 0.45                  | 16    | 220 / 1 / 50            | 0.22                | 1/2" PT            | 500       | 380 | 490  | 34            | R134a        |
| CDA-5   | 0.65                  | 23    | 220 / 1 / 50            | 0.22                | 1/2" PT            | 500       | 380 | 490  | 36            | R134a        |
| CDA-8   | 0.9                   | 32    | 220 / 1 / 50            | 0.27                | 1/2" PT            | 500       | 380 | 490  | 50            | R134a        |
| CDA-10  | 1.4                   | 50    | 220 / 1 / 50            | 0.47                | 1" PT              | 718       | 388 | 600  | 73            | R134a        |
| CDA-15  | 1.8                   | 64    | 220 / 1 / 50            | 0.51                | 1" PT              | 718       | 388 | 600  | 76            | R134a        |
| CDA-20  | 2.7                   | 95    | 220 / 1 / 50            | 0.84                | 1" PT              | 718       | 388 | 600  | 82            | R-22 / R407C |
| CDA-30  | 4.3                   | 152   | 220 / 1 / 50            | 0.97                | 1 1/2" PT          | 868       | 388 | 740  | 93            | R-22 / R407C |
| CDA-40  | 5.5                   | 194   | 220 / 1 / 50            | 1.08                | 1 1/2" PT          | 868       | 388 | 740  | 103           | R-22 / R407C |
| CDA-50  | 6.8                   | 240   | 220 / 1 / 50            | 1.42                | 1 1/2" PT          | 868       | 388 | 740  | 112           | R-22 / R407C |
| CDA-60  | 8.1                   | 286   | 220 / 1 / 50            | 1.68                | 2" PT              | 1200      | 450 | 875  | 155           | R-22 / R407C |
| CDA-75  | 11                    | 389   | 220 / 1 / 50            | 2.51                | 2" PT              | 1200      | 450 | 875  | 165           | R-22 / R407C |
| CDA-100 | 15                    | 530   | 380 / 3 / 50            | 3.09                | 2 1/2" PT          | 1200      | 600 | 880  | 227           | R-22 / R407C |
| CDA-125 | 18                    | 636   | 380 / 3 / 50            | 3.49                | 2 1/2" PT          | 1200      | 600 | 880  | 239           | R-22 / R407C |
| CDA-150 | 23                    | 813   | 380 / 3 / 50            | 4.44                | 2 1/2" PT          | 1200      | 600 | 880  | 305           | R-22 / R407C |
| CDA-175 | 28                    | 990   | 380 / 3 / 50            | 4.81                | 2 1/2" PT          | 1200      | 600 | 880  | 327           | R-22 / R407C |
| CDA-200 | 30                    | 1060  | 380 / 3 / 50            | 5.68                | 3" PT              | 1500      | 800 | 1300 | 435           | R-22 / R407C |
| CDA-250 | 36                    | 1272  | 380 / 3 / 50            | 6.29                | 3" PT              | 1500      | 800 | 1300 | 486           | R-22 / R407C |
| CDA-300 | 43                    | 1519  | 380 / 3 / 50            | 8.59                | 4" FL              | 1800      | 800 | 1400 | 557           | R-22 / R407C |
| CDA-350 | 48                    | 1696  | 380 / 3 / 50            | 10.04               | 4" FL              | 1800      | 800 | 1400 | 618           | R-22 / R407C |
| CDA-400 | 61                    | 2155  | 380 / 3 / 50            | 11.21               | 4" FL              | 1800      | 800 | 1400 | 723           | R-22 / R407C |
| CDA-500 | 72                    | 2544  | 380 / 3 / 50            | 12.41               | 6" FL              | 1800      | 900 | 1600 | 907           | R-22 / R407C |
| CDA-600 | 89                    | 2791  | 380 / 3 / 50            | 15.02               | 6" FL              | 1800      | 900 | 1600 | 1080          | R-22 / R407C |

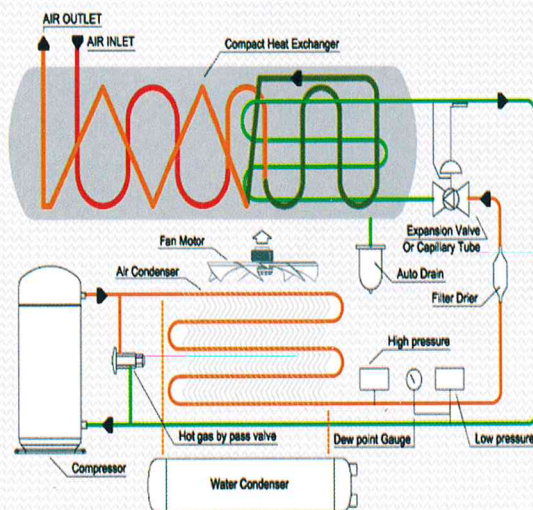
## Technical Specification of CDW Series Water cooled Dryer

| MODEL   | AIR FLOW              |       | POWER SUPPLY<br>V/Ph/Hz | NOMINAL POWER<br>kw | CONNECTION<br>inch | DIMENSION |     |      | WEIGHT<br>kg. | REFRIGERANT  |
|---------|-----------------------|-------|-------------------------|---------------------|--------------------|-----------|-----|------|---------------|--------------|
|         | (m <sup>3</sup> /min) | (CFM) |                         |                     |                    | L.        | W.  | H.   |               |              |
| CDW-100 | 17                    | 595   | 380 / 3 / 50            | 2.71                | 2 1/2" PT          | 1200      | 600 | 880  | 208           | R-22 / R407C |
| CDW-150 | 26                    | 910   | 380 / 3 / 50            | 4.06                | 2 1/2" PT          | 1200      | 600 | 880  | 283           | R-22 / R407C |
| CDW-200 | 33                    | 1155  | 380 / 3 / 50            | 5.21                | 3" PT              | 1500      | 600 | 1150 | 416           | R-22 / R407C |
| CDW-250 | 40                    | 1400  | 380 / 3 / 50            | 5.81                | 3" PT              | 1500      | 600 | 1150 | 468           | R-22 / R407C |
| CDW-300 | 48                    | 1680  | 380 / 3 / 50            | 7.55                | 4" FL              | 1500      | 600 | 1150 | 516           | R-22 / R407C |
| CDW-400 | 68                    | 2380  | 380 / 3 / 50            | 10.11               | 4" FL              | 1600      | 800 | 1580 | 707           | R-22 / R407C |
| CDW-500 | 81                    | 2835  | 380 / 3 / 50            | 11.36               | 6" FL              | 1600      | 800 | 1580 | 884           | R-22 / R407C |
| CDW-600 | 99                    | 3465  | 380 / 3 / 50            | 13.65               | 6" FL              | 1600      | 800 | 1580 | 987           | R-22 / R407C |

\*The specification subject to change without notice in advance.

Dryers maximum air flow = Dryers air flow x K1 x K2 x K3 x K4

Air Cooled CDA 100 C (Digital Temp.) S (R22)  
Water Cooled CDW O (R407C)



| Correction factor                   |      |      |      |      |      |      |      |      |  |
|-------------------------------------|------|------|------|------|------|------|------|------|--|
| Ambient temperature °C              | 28   | 30   | 32   | 35   | 38   | 40   | 42   | 43   |  |
| Factor ( K1 ) CDA                   | 1.14 | 1.1  | 1.06 | 1    | 0.94 | 0.91 | 0.88 | 0.86 |  |
| Air inlet temperature °C            | 35   | 40   | 45   | 50   | 55   | 60   | 63   | 65   |  |
| Factor ( K2 )                       | 1.48 | 1.18 | 1    | 0.83 | 0.71 | 0.58 | 0.52 | 0.48 |  |
| Working pressure Kg/cm <sup>2</sup> | 4    | 6    | 7    | 8    | 9    | 10   | 13   | 16   |  |
| Factor ( K3 )                       | 0.79 | 0.94 | 1    | 1.05 | 1.09 | 1.12 | 1.2  | 1.26 |  |
| Dew point temperature °C            | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 10   |  |
| Factor ( K4 )                       | 0.98 | 1    | 1.02 | 1.03 | 1.05 | 1.07 | 1.09 | 1.13 |  |
| Water temperature °C                | 25   | 26   | 28   | 30   | 32   | 34   | 36   | 37   |  |
| Factor (K1) /CDW                    | 1.14 | 1.1  | 1.06 | 1    | 0.94 | 0.91 | 0.88 | 0.86 |  |

1. CDA&CDW Series Air Inlet Temperature 65°C (Max.)
2. Dew Point Temperature 2~10°C
3. Ambient Temperature 10~43°C
4. CDA&CDW Series No Alter Cooler , But Using Bigger Heat Exchanger.
5. Air In-Out Pressure Drop < 3 Psig
6. 2 Years Warranty for Compressor And Evaporator.

# COOLER