



# 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 V/Ph/Hz	NOMINAL POWER kw	CONNECTION inch	DIMENSION			WEIGHT 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	79	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 V/Ph/Hz	NOMINAL POWER kw	CONNECTION inch	DIMENSION			WEIGHT 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

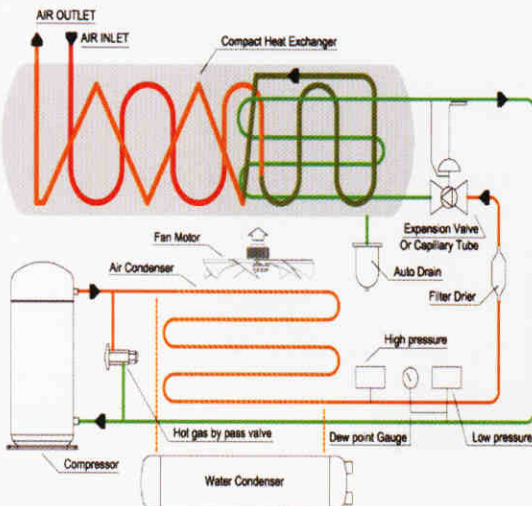
\*The specification subject to change without notice in advance.

Air Cooled CDA 100 C (Digital Temp.) S (R22)  
Water Cooled CDW N (Not Digital Temp.) O (R407c)

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

Correction factor								
Ambient temperature °C	28	30	32	35	38	40	42	43
Factor ( K1 )	1,14	1,11	1,08	1,00	0,96	0,89	0,82	0,78
Air inlet temperature °C	35	40	45	50	55	60	63	65
Factor ( K2 )	1,12	1,08	1,00	0,92	0,84	0,72	0,70	0,68
Working pressure Kg/cm <sup>2</sup>	4	5	6	7	8	9	10	13
Factor ( K3 )	0,80	0,90	0,94	1,00	1,04	1,07	1,10	1,13
Pressure Dew point °C	2	3	4	5	6	7	8	10
Factor ( K4 )	0,96	1,00	1,04	1,06	1,08	1,10	1,14	1,16

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



# COOLER