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Refrigerant AIR DRYER



CDA & CDW

- **New Design**
- **Standard Model (R407C)**



Dew Point



LP. Pressure



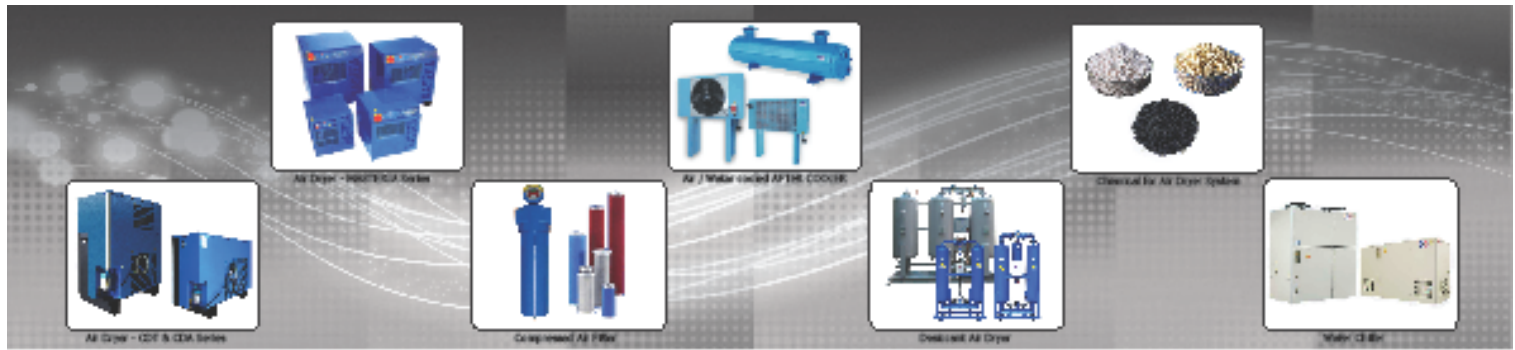
Auto Drain



Refrigerant R407C



* Proposed Model for Air Inlet Temperature 65 °C



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 ³ / 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	75	R134a
CDA 20	2.7	95	220 / 1 / 50	0.84	1" PT	718	388	600	82	R407C
CDA 30	4.3	152	220 / 1 / 50	0.97	1 1/2" PT	868	388	740	93	R407C
CDA 40	5.5	194	220 / 1 / 50	1.08	1 1/2" PT	868	388	740	103	R407C
CDA 50	6.8	240	220 / 1 / 50	1.42	1 1/2" PT	868	388	740	112	R407C
CDA 60	8.1	286	220 / 1 / 50	1.68	2" PT	1200	450	875	155	R407C
CDA 75	11	389	220 / 1 / 50	2.51	2" PT	1200	450	875	165	R407C
CDA 100	15	530	380 / 3 / 50	3.09	2 1/2" PT	1200	600	880	227	R407C
CDA 125	18	636	380 / 3 / 50	3.49	2 1/2" PT	1200	600	880	239	R407C
CDA 150	23	813	380 / 3 / 50	4.44	2 1/2" PT	1200	600	880	305	R407C
CDA 175	28	990	380 / 3 / 50	4.81	2 1/2" PT	1200	600	880	327	R407C
CDA 200	30	1060	380 / 3 / 50	5.68	3" PT	1500	800	1300	435	R407C
CDA 250	36	1272	380 / 3 / 50	6.29	3" PT	1500	800	1300	486	R407C
CDA 300	43	1519	380 / 3 / 50	8.59	4" FL	1800	800	1400	557	R407C
CDA 350	48	1696	380 / 3 / 50	10.04	4" FL	1800	800	1400	618	R407C
CDA 400	61	2155	380 / 3 / 50	11.21	4" FL	1800	800	1400	723	R407C
CDA 500	72	2544	380 / 3 / 50	12.41	6" FL	1800	900	1600	907	R407C
CDA 600	79	2791	380 / 3 / 50	15.02	6" FL	1800	900	1600	1080	R407C

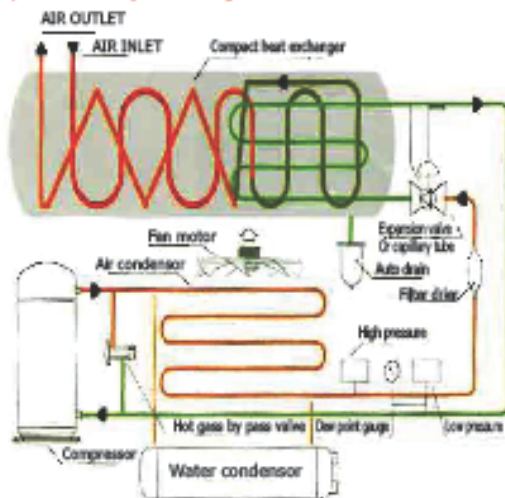
Technical Specification of CDW Series Water cooled Dryer

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

*The specification subject to change without notice in advance.

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

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



Correction factor								
Ambient temp. °C	28	30	32	35	38	40	42	43
Factor (K1)	1.54	1.11	1.08	1.00	0.96	0.89	0.82	0.78
Air inlet temp. °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 Bar/cm ²	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)	0.95	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 < 0.25kg/cm²
- 6, 2 Years Warranty for Compressor And Evaporator.