



# NEW CDT

## Refrigerant Air Dryer

### With After Cooler

# High Temperature Series

## Independent AFTER COOLER



Design For High Temperature Air Inlet Only.

Model 200 Upper Discharge Heat From The Top Of The Machine

Please Select Model With **AFTER COOLER** For High Temperature Air Inlet To Save Energy.

### Warranty

Compressor  
Evaporator

# 2

years

Energy Saving / High-Efficiency / High-Quality

## Technical Specification of CDT-A 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.		
CDT-8A	0.9	32	220 / 1 / 50	0.31	1" PT	718	388	880	80	R134a
CDT-10A	1.4	50	220 / 1 / 50	0.51	1" PT	718	388	880	88	R134a
CDT-15A	1.8	64	220 / 1 / 50	0.54	1" PT	718	388	880	91	R134a
CDT-20A	2.7	95	220 / 1 / 50	0.96	1" PT	718	388	880	97	R-22 / R407C
CDT-30A	4.3	152	220 / 1 / 50	1.12	1 1/2" PT	868	388	1200	113	R-22 / R407C
CDT-40A	5.5	194	220 / 1 / 50	1.23	1 1/2" PT	868	388	1200	128	R-22 / R407C
CDT-50A	6.8	240	220 / 1 / 50	1.57	1 1/2" PT	868	388	1200	137	R-22 / R407C
CDT-60A	8.1	286	220 / 1 / 50	1.83	2" PT	1200	450	1350	150	R-22 / R407C
CDT-75A	11	389	220 / 1 / 50	2.66	2" PT	1200	450	1350	200	R-22 / R407C
CDT-100A	15	530	380 / 3 / 50	3.28	2 1/2" PT	1200	600	1600	267	R-22 / R407C
CDT-125A	18	636	380 / 3 / 50	3.68	2 1/2" PT	1200	600	1600	279	R-22 / R407C
CDT-150A	23	813	380 / 3 / 50	4.63	2 1/2" PT	1200	600	1600	624	R-22 / R407C
CDT-175A	28	990	380 / 3 / 50	5.03	2 1/2" PT	1200	600	1600	367	R-22 / R407C
CDT-200A	30	1060	380 / 3 / 50	5.92	3" PT	1500	1000	1850	485	R-22 / R407C
CDT-250A	36	1272	380 / 3 / 50	6.53	3" PT	1500	1000	1850	536	R-22 / R407C
CDT-300A	43	1519	380 / 3 / 50	9.11	4" FL	1800	1000	2000	617	R-22 / R407C
CDT-350A	48	1696	380 / 3 / 50	10.56	4" FL	1800	1000	2000	678	R-22 / R407C

## Technical Specification of CDT-W 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.		
CDT-100W	17	595	380 / 3 / 50	2.71	2 1/2" PT	1200	600	1150	258	R-22 / R407C
CDT-150W	26	910	380 / 3 / 50	4.06	2 1/2" PT	1200	600	1150	333	R-22 / R407C
CDT-200W	33	1155	380 / 3 / 50	5.21	3" PT	1500	600	1580	476	R-22 / R407C
CDT-250W	40	1400	380 / 3 / 50	5.81	3" PT	1500	600	1580	528	R-22 / R407C
CDT-300W	48	1680	380 / 3 / 50	7.55	4" FL	1500	600	1580	603	R-22 / R407C
CDT-400W	68	2380	380 / 3 / 50	10.11	4" FL	1600	800	1700	790	R-22 / R407C
CDT-500W	81	2835	380 / 3 / 50	11.36	6" FL	1600	800	1700	995	R-22 / R407C
CDT-600W	99	3465	380 / 3 / 50	13.65	6" FL	1600	800	1700	1120	R-22 / R407C

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

CDT- 100 A (Air Cooled)  
W (Water Cooled)

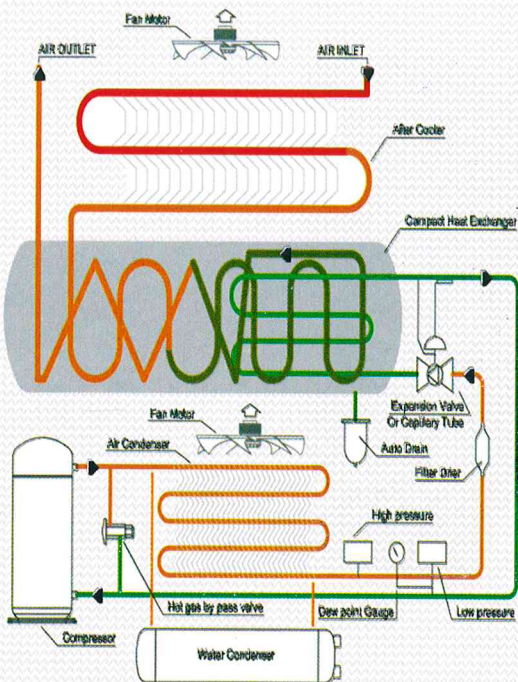
C (Digital Temp.)

S (R22)  
O (R407c)

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

Correction factor	28	30	32	35	38	40	42	43
Ambient temperature °C	28	30	32	35	38	40	42	43
Factory ( K1 ) CDT-A	1.14	1.1	1.06	1	0.94	0.91	0.88	0.86
Air inlet temperature °C	45	50	55	60	65	70	75	80
Factory ( K2 )	1.2	1.1	1	0.91	0.83	0.76	0.69	0.63
Working pressure Kg/cm <sup>2</sup>	4	6	7	8	9	10	13	16
Factory ( K3 )	0.79	0.94	1	1.05	1.09	1.12	1.12	1.26
Dew point temperature °C	2	3	4	5	6	7	8	10
Factory ( K4 )	0.98	1	1.02	1.03	1.06	1.07	1.09	1.13

Water temperature °C	25	26	28	30	32	34	36	37
Factory ( K1 ) /CDW	1.14	1.1	1.06	1	0.94	0.91	0.88	0.86



- 1, CDT Series Air Inlet Temperature 80 °C (Max.)
- 2, Dew Point Temperature 2 ~ 10 °C
- 3, Ambient Temperature 10 ~ 43 °C
- 4, Independent After Cooler
- 5, Air In-Out Pressure Drop <3 Psig
- 6, 2 Years Warranty for Compressor And Evaporator.

Most of the Dryers on the Market are without the After-Cooler, usually we choose the bigger size of air dryer or compressor due to no After-Cooler. The bigger the air dryer, the higher the power consumption.

**COOLER**