



COMPRESSED REFRIGERATED AIR DRYER

- A Completely Automatic Self-contained Logic Controller
- Air-to-air Heat Exchanger Made Out Of Copper Tubes
- Evaporator Made Out Of Wave Type Aluminium Fins With Diversion Plates
- A Very Large Intake Condenser With "blow-up" Design
- A Motor-driven Drain Valve
- Air Dryer Manufactured With Iso 9001:2008 Procedures

One Stop Solution For Industrial Cooling Needs



Specification of Air Dryer

Model	DTRD24	DTRD42	DTRD60	DTRD80	DTRD100	DTRD150	DTRD200	DTRD250	DTRD400
Capacity (cfm)	24.5	42	60	84	100	150	200	250	400
Voltage(V/Hz)	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50
Compressor power (W)	310	335	411	675	1020	1440	1700	1700	2280
Fan power (W)	25	25	25	25	25	150	150	150	195
Air connection	3/4"	3/4"	1"	1"	3/2"	3/2"	3/2"	3/2"	2"
Net Weight(kg)	38	39	62	65	90	96.5	98	105	112
Dimension	length	630	630	700	700	753	753	903	1105
	width	445	445	456	456	468	468	600	600
	height	560	560	592	592	708	708	720	795

For any other capacity, please contact us. Specifications are subject to change without notification.

Notes :

- All models have air-cooled condenser as the default option.
- Maximum working pressure: 16 bar / 40 bar
- Refrigerants :
R134a : DTRD 20 to 150
R22: DTRD 200 to 500
- Filters if required, to be ordered separately.

Corrections Factor

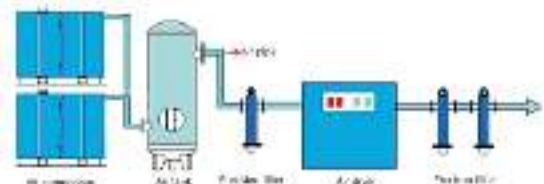
Air Inlet Temperature °C	30	38	45	50	55	60
Correction Factor (Ti)	1.14	1.08	1	0.75	0.63	0.5
Ambient Temperature	25	30	38	43		
Correction Factor (Ta)	1.36	1.18	1	0.86		
Inlet Pressure Kg/cm2	3	5	7	9	12	
Correction Factor (Pi)	0.6	0.84	1	1.11	1.21	

How to Order

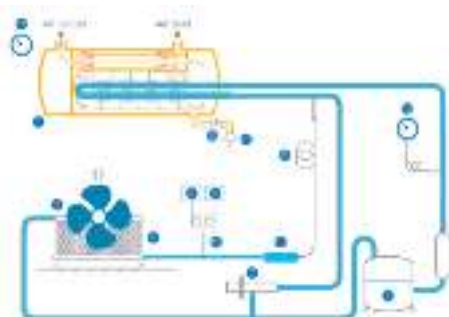
Requirement:	Inlet Flow :	100 Scfm
	Working Pressure:	5 Kg/cm2
	Inlet Temperature :	45 'c
	Ambient Temperature :	38 'c
Referring Tables:	Factor Pi	0.84
	Factor Ti	1
	Factor Ta	1
Dryer Capacity Required:	Flow / Pi X Ti X Ta	$100 / 0.84 \times 1 \times 1$ = 119

Choose The Nearest Higher Model

INSTALLATION LAYOUT



SCHEMATIC LAYOUT



DAYTON COOL-TECH PVT. LTD.

Survey no 701/2, Chattral - Mehsana Highway, Rajpur-Jhulsan Rd, Nr. Dharpur Chokdi,
Po:Jhulsan Tal: Kadi Dist: Mehsana, Pincode: 382705, Gujarat , India.

MOB: +91-9099024330;9099070223 | WEB URL: www.daytoncooltech.com

EMAIL ID: info@daytoncooltech.com, sales1@daytoncooltech.com