

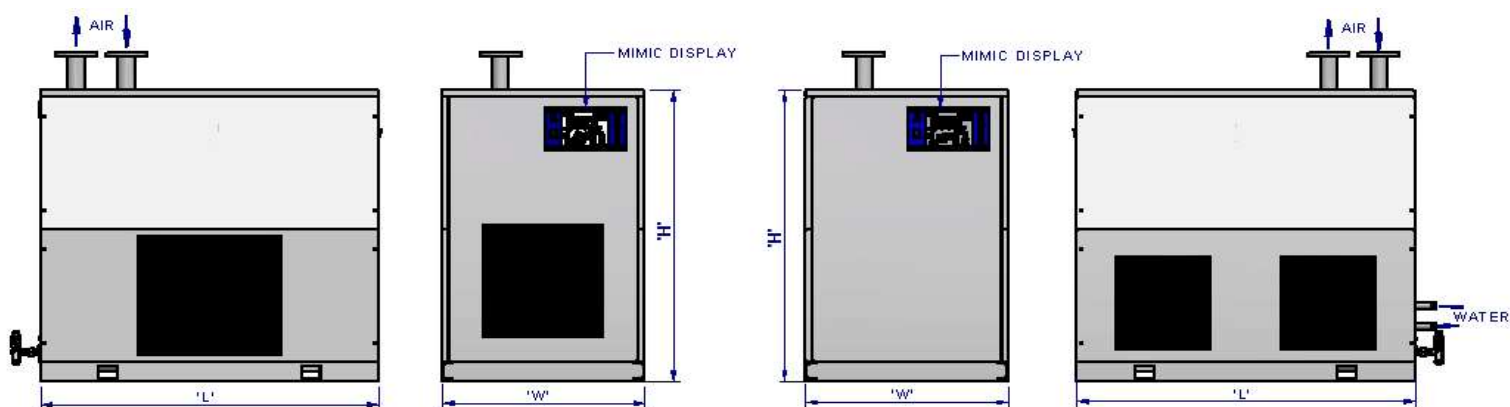
**REFRIGERATION DRYER
FDI SERIES**

SPECIAL FEATURES	OPTIONAL FEATURES	STD. DESIGN PARAMETER
- Available in 45 standard models - STD Range from 10.6 cfm to 3540 cfm - DIGITAL Microprocessor based delsmart LCD card to readout dew point, operating status, faults indication etc - Provides pressure dew points +3-4 °C - Unique, patented, foamed in heat exchanger - Outstanding performs other dryers. - Certified and reliable performance - Compact design	- Filter and total dryer bypass line with valves - Special delair filters for removal of water, oil mists, oil vapour and dust particles with electronically operated drain valves - Explosion proof controls for offshore application - TOP Exhaust type available on request - ELECTRONIC HGV available on request	- Working Pressure : 7.0 kg/cm2(g) - Max. Working Pressure : 16.0kg/cm2(g) - Ambient Temperature : 45 Deg. C - Air Inlet Temperature : 45 Deg. C - Water Pressure : 3-4 kg/cm2(g) - Water Inlet Temperature : 32 deg. C - Relative Humidity : 100% - Power Consumption : as per Refrigerant

SPECIFICATION SHEET

MODEL	CAPACITY			DIMENSIONS			APPROX. WEIGHT (KG.)	CONNECTION (IN INCHES)		CONN. LOAD (IN KW)	WATER VOLUME (M3/HR)
				(IN MM)				AIR	WATER		
	CFM	CMH	Ltr./SEC.	L	W	H					
FDI-18 A	10.6	18	5	880	465	700	90	1/2" BSP.		0.30	
FDI-54 A	32	54	15	880	465	700	90	1/2" BSP.		0.53	
FDI-110 A	65	110	31	880	465	830	100	3/4" BSP.		0.70	
FDI-150 A	88	150	42	1100	465	930	270	1" BSP.		0.75	
FDI-180 A	106	180	50	1100	465	930	270	1" BSP.		0.75	
FDI-220 A	130	220	62	1100	465	930	270	1" BSP.		0.97	
FDI-290 A	170	290	81	1100	465	930	270	1" BSP.		0.97	
FDI-360 A	212	360	101	1250	750	1150	400	2" F		1.70	
FDI-430 A	254	430	120	1250	750	1150	400	2" F		2.23	
FDI-540 A	318	540	151	1250	750	1150	400	2" F		2.63	
FDI-600 A	355	600	168	1676	725	1210	500	2" F		2.82	
FDI-720 A	424	720	202	1676	725	1210	600	3" F		3.16	
FDI-850 A	500	850	238	1676	725	1210	600	3" F		3.94	
FDI-970 A	572	970	272	1676	725	1210	600	3" F		4.24	
FDI-1060 A	624	1060	297	1700	1000	1375	780	3" F		4.74	
FDI-1150 A	678	1150	322	1700	1000	1375	780	3" F		5.44	
FDI-1270 A	749	1270	356	1700	1000	1375	780	3" F		5.44	
FDI-1350 A	795	1350	378	1700	1000	1375	780	3" F		5.44	
FDI-1690 A	996	1690	473	1720	1050	1375	850	4" F		7.62	
FDI-1910 A	1124	1910	535	1800	1200	1600	1100	4" F		10.84	
FDI-2160 A	1271	2160	605	1800	1200	1600	1200	4" F		10.84	
FDI-2550 A	1500	2550	714	2200	1200	1600	1400	4" F		12.00	
FDI-2880 A	1695	2880	806	2400	1200	1600	1700	6" F		14.41	
FDI-3000 A	1770	3000	840	2400	1200	1600	1700	6" F		16.32	
FDI-3340 A	1971	3340	935	2500	1300	1800	2200	6" F		16.32	
FDI-4310 A	2543	4310	1207	2500	1300	1800	2600	6" F		21.21	
FDI-6000 A	3540	6000	1680	3000	1400	2000	3200	8" F		26.15	
FDI-540 W	318	540	151	1250	750	1150	380	2" F	3/4" BSP.	1.87	1.1
FDI-600 W	355	600	168	1676	725	1210	380	2" F	3/4" BSP.	1.87	1.8
FDI-720 W	424	720	202	1676	725	1210	520	3" F	3/4" BSP.	2.19	1.8
FDI-850 W	500	850	238	1676	725	1210	520	3" F	3/4" BSP.	2.48	1.8

FDI-970 W	572	970	272	1676	725	1210	520	3" F	3/4" BSP.	2.93	1.8
FDI-1060 W	624	1060	297	1350	750	1270	620	3" F	3/4" BSP.	2.93	3.0
FDI-1150 W	678	1150	322	1350	750	1270	620	3" F	3/4" BSP.	3.36	3.0
FDI-1270 W	749	1270	356	1350	750	1270	620	3" F	3/4" BSP.	3.63	3.0
FDI-1350 W	795	1350	378	1350	750	1270	620	3" F	3/4" BSP.	3.99	3.0
FDI-1690 W	996	1690	473	1680	840	1380	850	4" F	1" F	4.64	3.4
FDI-1910 W	1124	1910	535	1800	950	1500	1000	4" F	1.1/2" F	5.10	4.1
FDI-2160 W	1271	2160	605	1800	950	1500	1000	4" F	1.1/2" F	6.28	4.1
FDI-2550 W	1500	2550	714	2100	1000	1500	1300	4" F	1.1/2" F	7.28	5.1
FDI-2880 W	1695	2880	806	2400	1000	1530	1500	6" F	1.1/2" F	7.28	6.1
FDI-3000 W	1770	3000	840	2400	1000	1530	2000	6" F	1.1/2" F	8.03	6.1
FDI-3340 W	1971	3340	935	2100	1100	1650	2500	6" F	1.1/2" F	8.03	6.9
FDI-4310 W	2543	4310	1207	2300	1100	1650	2800	6" F	2" F	11.00	8.4
FDI-6000 W	3540	6000	1680	2600	1150	1900	3000	8" F	2" F	18.25	11.1



NOTE:-

- POWER SUPPLY for MODEL FDI-18A to FDI-720 A & FDI-540 W to FDI- 720 W are 230 V ,1 PH, 50Hz.
- POWER SUPPLY for MODEL FDI-850 A On-wards & FDI-850 W to on-wards are 415 V ,3 phase , 50Hz.
- 3 PHASE Power Supplies are available on request for MODEL from FDI-540A/W on-wards if needed for Customer
- 1 PHASE Power Supplies are also available on request for Some Higher capacities Models on request if needed for Customer
- FDI Models from FDI 18 A to FDI 290 A are supplied with ECO-FRIENDLY Refrigerant Gas R 134 a as a STD Supply
- FDI Models from FDI 360 A on-wards are now supplied with ECO-FRIENDLY Refrigerant Gas R 407 c as a STD Supply
- Other ECO-FRIENDLY Refrigerant i.e R 134 a , R 404 A ,R 410 A & R 513 A are available on request as a special demand from customer
- Please get in Touch with HO/Factory For SPECIAL SITE Parameters , Tropical Site Temp ,Special MATERIALS i.e IS 2002/SA 516 etc
- Pl. Contact Design ENGG for Higher Temperature ,Higher Cooling Water Inlet Temperature if so to have RIGHT SOLUTION in place

ALL TECHNICAL DATA & SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

DOCUMENTS NO. : DAI:FDI-300.11
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