



OZ air

Refrigerated Air Dryers



► HDF Series (Standard Type)

Model	Air Capacity	Refrigerant	Compressor Power	Power Supply	Dimension(L*W*H)	N.W.	Air Connection
	m ³ /min		W	V/Ph/Hz	mm	kg	inch
HDF13	1.3	R134a	400	230V/1HP/50Hz	550x370x704	30	G3/4"
HDF21	2.1	R134a	453	230V/1HP/50Hz	550x370x704	34	G3/4"
HDF40	4	R410a	843	230V/1HP/50Hz	520x500x809	55	G1"
HDF66	6.6	R410a	1170	230V/1HP/50Hz	520x500x809	60	G1.5"
HDF85	8.5	R410a	1200	230V/1HP/50Hz	550x600x958	68	G1.5"
HDF105	10.5	R410a	1312	230V/1HP/50Hz	550x600x958	75	G2"
HDF140	14	R410a	2143	230V/1HP/50Hz	900x750x1009	110	G2"
HDF175	17.5	R410a	2170	230V/1HP/50Hz	900x750x1009	126	G2"
HDF220	22.0	R410a	4100	230V/1HP/50Hz	1050x660x1130	140	G2.5"
HDF260	26.0	R410a	4200	230V/1HP/50Hz	1050x660x1130	162	G2.5"

Operation Range:

*Working Pressure: 0.6-1.0 Mpa

* Ambient Temperature: 5-45°C

* Max. Inlet Temperature: <60°C

Standard Conditions:

*Working Pressure: 0.6-1.0 Mpa

*Inlet Temperature: 40°C

* Ambient Temperature: 30°C

* Pressure Dew Point: 3-10°C

Correction Factor

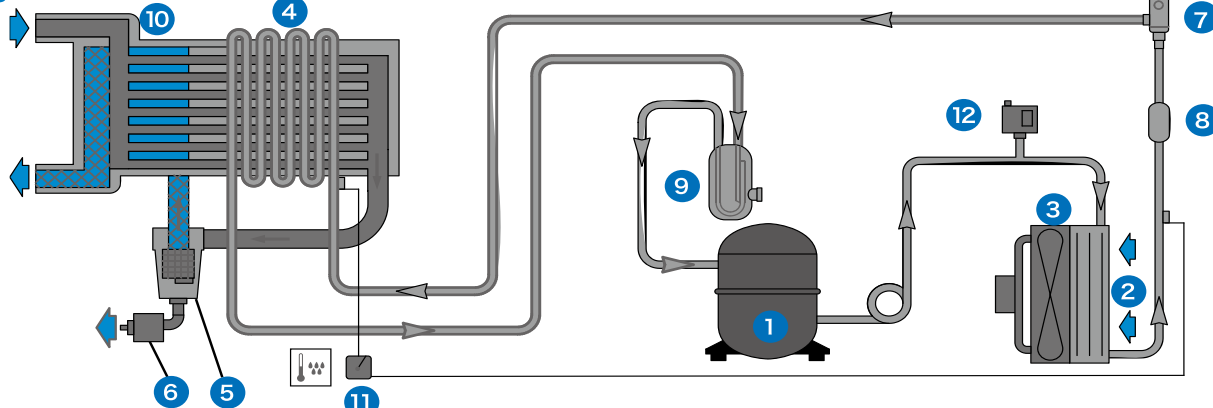
Ambient T	°C	30	35	40	45	
		1	0.91	0.72		
Inlet T	°C	30	35	45	55	60
		1	1	0.82	0.58	0.49
Inlet P	bar	6	7	10		
		0.96	1	10.8		

HDF Series Correction Factor

Inlet Pressure Dew Point	Correction Factor
10°C	1
7°C	0.85
3°C	0.7



► System Flow Chart



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|--------------------------|-----------------------|--|
| 1 Refrigerant Compressor | 5 Air Water Separator | 9 Air Liquid Separator(HDF40-HDF175) |
| 2 Air-cooled Condenser | 6 Electric auto drain | 10 Air Heat Exchanger |
| 3 Motor Fan | 7 Expansion valve | 11 Dew Point Display |
| 4 Evaporator | 8 Dry Filter | 12 High Pressure Protection Switch(HDF40-HDF175) |