



Modular Desiccant Air Dryer D5IM to D299IM

Compressed Air Systems and Services
Davidson, NC 28036

DATE: 1-Feb-15
CANCELS: All Previous

ENGINEERING DATA

	D5IM	D14IM	D25IM	D34IM	D41IM	D54IM	D71IM
Inlet Capacity - SCFM (m3/hr)	3 (5)	8 (14)	15 (25)	20 (34)	24 (41)	32 (54)	42 (71)
Electrical	110/1/60 or 220/1/50	110/1/60 or 220/1/50	110/1/60 or 220/1/50	110/1/60 or 220/1/50	110/1/60 or 220/1/50	110/1/60 or 220/1/50	110/1/60 or 220/1/50
Air In/Out Connections - inches	3/8" NPT or BSP	3/8" NPT or BSP	3/8" NPT or BSP	3/8" NPT or BSP	3/4" NPT or BSP	3/4" NPT or BSP	3/4" NPT or BSP
Maximum Pressure - PSIG (barg)	175 (12)	175 (12)	175 (12)	175 (12)	232 (16)	232 (16)	232 (16)
Noise Level	70 dBA	70 dBA	70 dBA	70 dBA	75 dBA	75 dBA	75 dBA
Width - inches (mm)	11.4 (289)	11.4 (289)	11.4 (289)	11.4 (289)	10.5 (266)	10.5 (266)	10.5 (266)
Depth - inches (mm)	5.9 (149)	5.9 (149)	5.9 (149)	5.9 (149)	11.9 (302)	11.9 (302)	11.9 (302)
Height - inches (mm)	16.6 (422)	24.2 (616)	35.7 (906)	43.2 (1098)	32.9 (837)	39.5 (1003)	46 (1168)
Filters	Integral	Integral	Integral	Integral	FA75IH/D	FA75IH/D	FA110IH/D
Shipping Weight - lbs (kg)	24 (11)	35 (16)	51 (23)	62 (28)	70 (32)	81 (37)	92 (42)

	D90IM	D110IM	D150IM	D180IM	D221IM	D299IM
Inlet Capacity - SCFM (m3/hr)	53 (90)	65 (110)	88 (150)	106 (180)	130 (221)	176 (299)
Electrical	110/1/60 or 220/1/50	110/1/60 or 220/1/50	110/1/60 or 220/1/50	110/1/60 or 220/1/50	110/1/60 or 220/1/50	110/1/60 or 220/1/50
Air In/Out Connections - inches	3/4" NPT or BSP	3/4" NPT or BSP	1" NPT or BSP	1" NPT or BSP	1" NPT or BSP	1" NPT or BSP
Maximum Pressure - PSIG (barg)	232 (16)	232 (16)	189 (13)	189 (13)	189 (13)	189 (13)
Noise Level	75 dBA	75 dBA	75 dBA	75 dBA	75 dBA	75 dBA
Width - inches (mm)	10.5 (266)	10.5 (266)	9.9 (250)	9.9 (250)	9.9 (250)	9.9 (250)
Depth - inches (mm)	11.9 (302)	11.9 (302)	22.3 (566)	22.3 (566)	22.3 (566)	22.3 (566)
Height - inches (mm)	52.5 (1333)	59 (1499)	56.4 (1433)	56.4 (1433)	62.9 (1599)	72.7 (1847)
Filters	FA110IH/D	FA110IH/D	FA230IH/D	FA230IH/D	FA400IH/D	FA400IH/D
Shipping Weight - lbs (kg)	103 (47)	114 (52)	176 (80)	176 (80)	198 (90)	229 (104)

- Capacity on all models is based on 95° F (35° C), 100 psig (7 barg)
- Capacity basis pressure dew point of -40°F/°C
- Maximum inlet temperature is 122°F (50°C) - correction factor needs to be applied for off design conditions
- Nominal purge rate at design condition is 20% of inlet flow
- Minimum operating pressure is 58 psig (4 barg)
- New Modular Desiccant dryer plus included filters achieves ISO Class 8573.1 of 3.2.2