

- Continuous compressor operation adds years to compressor life, and maintains a 35° to 42° (2° to 6°C) pressure dew point per ANSI/B93.45M.
- Norgren's D11 Series Dryers offer a wide range of accessories such as gauges, ambient filters, automatic timer drain, and many others to meet changing conditions.
- All Norgren dryers are warranted to be free from defects in materials and workmanship for a period of two years from date of manufacture.
- Norgren's quality dryer construction is unsurpassed in the industry.



Specifications

Refrigerant: R-134a
 Maximum Working Pressure: 250 psig
 Maximum Inlet Air Temperature: 120°F
 Ambient Temperature Range: 50° to 110°F

Standard Equipment

Moisture separator/automatic drain
 16" power cord (5 through 75 scfm units)
 Electrical terminal block (100 through 200 scfm units)

Optional Equipment

On/Off switch
 Power on light
 High temperature warning light
 Refrigerant suction pressure gauge
 Refrigerant discharge pressure gauge (100 through 200 scfm units)
 6' power cord (5 through 75 scfm units)
 Drain tube kit
 Inlet air temperature gauge (30 through 200 scfm units)
 Outlet air temperature gauge (100 through 200 scfm units)
 Inlet air pressure gauge (100 through 200 scfm units)
 Outlet air pressure gauge (30 through 200 scfm units)

Accessories

Automatic timer drain valve
 Bypass valving (5 and 10 scfm units)
 Pre-filters
 Afterfilters

Electrical Data for Air Cooled Dryers

Model Number	Voltage (volt-ac/hz/phase)
D11-1__-0005 thru D11-1__-0150	115-60-1/100-50-1
D11-2__-0005 &0010 D11-2__-0040 thru 0200	220-60-1/200-50-1
D11-3__-0200	230/208-60-3
D11-4__-0200	460-60-3
D11-6__-0005 thru D11-6__-0200	240/220-50-1

Dryer Flow, Power Ratings, and Weights

Nominal Dryer Flow	Model Number	ΔP (psid)	Compressor Hp.	Total Weight lbs. (kg)
5	D11-__-0005	1.0	1/6	50 (23)
10	D11-__-0010	3.8	1/6	50 (23)
15	D11-__-0015	0.7	1/5	53 (24)
20	D11-__-0020	1.0	1/5	53 (24)
30	D11-__-0030	1.4	1/5	90 (41)
40	D11-__-0040	2.4	1/4	90 (41)
50	D11-__-0050	3.5	1/4	90 (41)
75	D11-__-0075	3.5	1/2	121 (55)
100	D11-__-0100	2.7	1/2	130 (59)
130	D11-__-0130	2.8	3/4	210 (95)
150	D11-__-0150	3.0	3/4	210 (95)
200	D11-__-0200	4.3	1	221 (100)

D11 Series Refrigerated Compressed Air Dryers



Flow Capacity Selection Chart

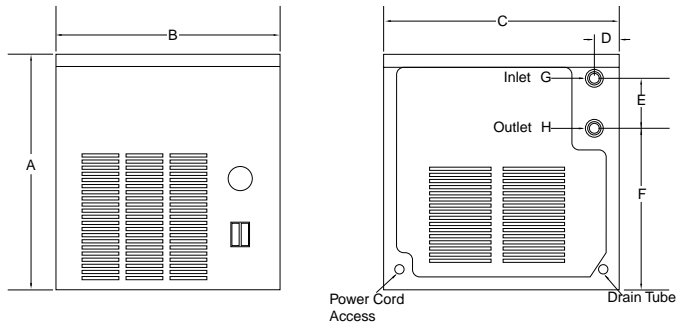
[scfm (dm³/s) @ 38°F (3°C) Pressure Dew Point, and 100°F (38°C) Ambient Temperature]

Model Number*	90°F (32°C) Inlet Air Temp				100°F (38°C) Inlet Air Temp.				110°F (43°C) Inlet Air Temp.			
	50 psig	100 psig	150 psig	200 psig	50 psig	100 psig	150 psig	200 psig	50 psig	100 psig	150 psig	200 psig
D11-___-0005	4.40 (2)	5.50 (3)	5.94 (3)	6.16 (3)	4.00 (2)	5.00 (2)	5.40 (3)	5.60 (3)	3.56 (2)	4.45 (2)	4.80 (2)	4.98 (2)
D11-___-0010	8.80 (4)	11.00 (5)	11.88 (6)	12.32 (6)	8.00 (4)	10.00 (5)	10.80 (5)	11.20 (5)	7.12 (3)	8.90 (4)	9.61 (5)	9.96 (5)
D11-___-0015	13.20 (6)	16.50 (8)	17.82 (8)	18.48 (9)	12.00 (6)	15.00 (7)	16.20 (8)	16.80 (8)	10.68 (5)	13.35 (6)	14.41 (7)	14.95 (7)
D11-___-0020	17.60 (8)	22.00 (10)	23.76 (11)	24.64 (12)	16.00 (8)	20.00 (9)	21.60 (10)	22.40 (11)	14.24 (7)	17.80 (8)	19.22 (9)	19.93 (9)
D11-___-0030	26.40 (12)	33.00 (16)	35.64 (17)	36.96 (17)	24.00 (11)	30.00 (14)	32.40 (15)	33.60 (16)	21.36 (10)	26.70 (13)	28.83 (14)	29.90 (14)
D11-___-0040	35.20 (17)	44.00 (21)	47.52 (22)	49.28 (23)	32.00 (15)	40.00 (19)	43.20 (20)	44.80 (21)	28.40 (13)	35.60 (17)	38.44 (18)	39.87 (19)
D11-___-0050	44.00 (21)	55.00 (26)	59.40 (28)	61.60 (29)	40.00 (19)	50.00 (24)	54.00 (25)	56.00 (26)	35.60 (17)	44.50 (21)	48.06 (23)	49.84 (23)
D11-___-0075	66.00 (31)	82.50 (39)	89.10 (42)	92.40 (43)	60.00 (28)	75.00 (35)	81.00 (38)	84.00 (39)	53.40 (25)	66.75 (31)	72.09 (34)	74.76 (35)
D11-___-0100	88.00 (41)	110.00 (52)	118.80 (56)	123.20 (58)	80.00 (38)	100.00 (47)	108.00 (51)	112.00 (53)	71.20 (33)	89.00 (42)	96.12 (45)	99.68 (47)
D11-___-0130	114.40 (54)	143.00 (67)	154.44 (73)	160.16 (75)	104.00 (49)	130.00 (61)	140.40 (66)	145.60 (68)	92.56 (44)	115.70 (54)	124.95 (59)	129.58 (61)
D11-___-0150	132.00 (62)	165.00 (78)	178.20 (84)	184.80 (87)	120.00 (56)	150.00 (71)	162.00 (76)	168.00 (79)	106.80 (50)	133.50 (63)	144.18 (68)	149.52 (70)
D11-___-0200	176.00 (83)	220.00 (103)	237.60 (112)	246.40 (116)	160.00 (75)	200.00 (94)	216.00 (102)	224.00 (105)	142.40 (67)	178.00 (84)	192.24 (90)	199.36 (94)

* For complete D11 product numbering system see ALE-26-30.

Ambient Temperature Multipliers

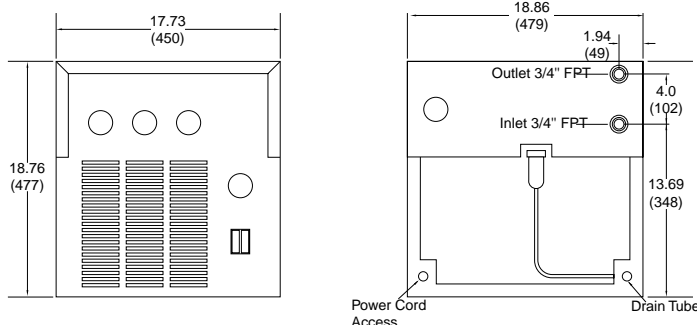
°F (°C)	Multiply by
60 (16)	1.34
70 (21)	1.27
80 (27)	1.19
90 (32)	1.10
100 (38)	1.00
110 (43)	0.89



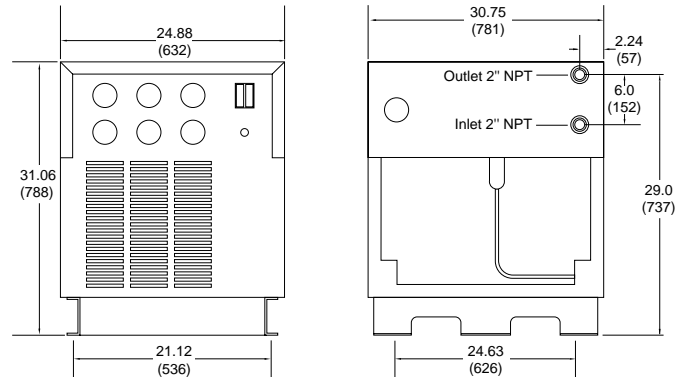
Dimensions for D11-***-0005 thru D11-***-0020 Refrigerated Air Dryers Inches (mm)

Dryer Number	A	B	C	D	E	F	G Inlet	H Outlet
D11-___-0005 thru D11-___-0010	14.00 (356)	15.13 (384)	12.11 (308)	1.98 (51)	2.0 (51)	10.38 (264)	3/8" NPT	3/8" NPT
D11-___-0015 thru D11-___-0020	14.00 (356)	16.00 (406)	14.88 (378)	1.98 (50)	2.00 (51)	10.38 (264)	1/2" NPT	1/2" NPT

Dimensions for D11-***-0030 thru D11-***-0100 Refrigerated Air Dryers Inches (mm)



Dimensions for D11-***-0130 & D11-***-0200 Refrigerated Air Dryers Inches (mm)



* D11-XXX-0100 outlet 1" and inlet 1"