

## NEMA 4 direct expansion refrigerated air dryers

### FEATURES

- NEMA 4 design for harsh environments and outdoor installations where ambient temperatures range from 35 to 115°F
- NEMA 4 stainless steel panels are corrosion resistant
- simple NEMA 4 rated illuminated on/off switch
- utilization of Danfoss hermetically sealed compressors
- refrigerant gauge standard for ease of troubleshooting
- environmentally friendly R134a refrigerant is recognized as both efficient and safe
- low pressure drop and energy efficient
- easy installation and start-up
- fully adjustable and extremely reliable timer drain as standard
- applications include all general industrial compressed air applications where ISO 1.4.2 air (maximum) is acceptable



#### 316 SS heat exchanger

corrosion resistant ensuring the highest heat transfer efficiency and most consistent dew points available



#### refrigerant gauge

included as standard for ease of troubleshooting



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# SPECIFICATIONS

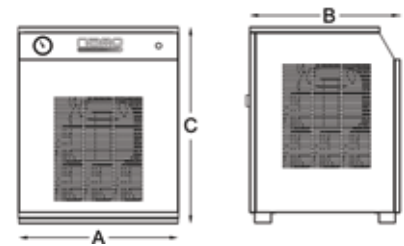
dryer model	inlet & outlet		rated flow <sup>(1)</sup>		absorbed power <sup>(2)</sup>		dimensions (inches)			approx. weight		power supply (V/Ph/60Hz)		recommended pre & after filtration	
	NPT	scfm	Nm <sup>3</sup> /h	kW	A	B	C	lbs	115/1	208/230/1	pre filter	after filter			
ND4X 30	½"	30	51	0.15	16	22	22	100	•		NF 0030 M1	NF 0030 M01			
ND4X 40	½"	40	68	0.19	16	22	22	120	•		NF 0050 M1	NF 0050 M01			
ND4X 60	½"	60	102	0.25	16	22	22	160	•		NF 0070 M1	NF 0070 M01			
ND4X 80	½"	80	136	0.25	16	22	22	175	•		NF 0085 M1	NF 0085 M01			
ND4X 100	1 ¼"	100	170	0.37	22	22	32	210	•		NF 0280 M1	NF 0280 M01			
ND4X 125	1 ¼"	125	212	0.56	22	24	32	260	•		NF 0280 M1	NF 0280 M01			
ND4X 150	1 ¼"	150	255	0.56	22	24	32	290	•		NF 0280 M1	NF 0280 M01			
ND4X 200	1 ½"	200	340	0.75	22	24	32	350		•	NF 0290 M1	NF 0290 M01			

specifications	ND4X 30 to NDX 125	ND4X 150 to NDX 200
design operating pressure range	0 to 250 psig	0 to 250 psig
maximum inlet temperature	180°F	120°F
maximum ambient temperature	110°F	110°F

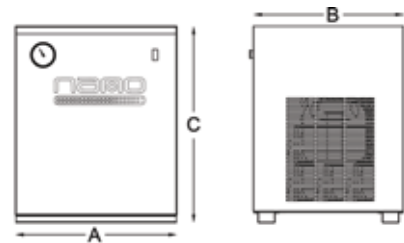
pressure correction factors <sup>(3)</sup>								
operating pressure (psig)	50	80	100	125	150	175	200	250
correction factor	0.85	0.95	1.00	1.07	1.13	1.18	1.20	1.35

inlet temperature correction factors <sup>(3)</sup>							
inlet air temperature (°F)	80	90	100	110	120	140	160
correction factor	1.50	1.21	1.00	0.82	0.72	0.61	0.53

ambient temperature correction factors <sup>(3)</sup>						
inlet temperature (°F)	70	80	90	100	110	115
correction factor	1.10	1.07	1.05	1.00	0.94	0.65



ND4X 30 to ND4X 100



ND4X 125 to ND4X 200

- (1) in compliance with ADF 100 specifications for compressed air dryers: inlet temperature: 100°F, ambient temperature: 100°F, inlet pressure: 100 psig, pressure dew point: 33°F to 39°F. For all other conditions refer to the correction factors above or contact support@n-psi.com
- (2) nominal absorbed power at rated operating conditions using 115/1/60 and 230/1/60 power supply (as applicable). For absorbed power at other voltages or conditions, contact support@n-psi.com
- (3) to be used as a rough guide only. All applications should be confirmed by nano sizing software. Contact support@n-psi.com for sizing assistance
- (4) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182