



## NxV 8-11

November, 2015

Rotary screw compressor - oil injected - air cooled

CAP720 - NxV08-15

### Variable Speed Drive (8 - 11 kW) 60 Hz USA

			8	11
Operating pressure min. - max.		psi(g)	100 - 175	100 - 175
Nominal drive motor power		kW (hp)	7.5 (10)	11 (15)
Nominal voltage		V	460	460
Nominal current at nominal voltage		Amp	12.9	12.9
Drive motor enclosure / Insulation class			IP 55 / ISO F	IP 55 / ISO F
Nominal drive motor efficiency (max.)		%	87.7	88.7
Nominal fan motor power (fan on motor shaft)		kW (hp)	N/A	N/A
Airend type			ES15	ES15
Compr. air temp. at 70°F ambient and max. pressure		°F	90	90
Ambient temp. standard (min / max)		°F	37 - 113	37 - 113
Cooling air capacity fan		cfm	1992	1992
Static back pressure (at 95° / 105° / 115 °F)		Pa (InchWC)	50 (0.2) / 40 (0.16) / 30 (0.12)	50 (0.2) / 40 (0.16) / 30 (0.12)
Dimensions (l x w x h)		inch	48x27x44	48x27x44
Dimension mounted on tank 80 gal		inch	67x28x67	67x28x67
Weight compressor		lbs	685	707
Weight compressor + tank 80 gal		lbs	993	1015
Compressed air outlet		NPT	3/4"	3/4"
Oil capacity		gal	2	2
Residual oil content of air / with dryer		ppm	1 - 3 / 0,8 - 2	1 - 3 / 0,8 - 2
Noise level at 50% / 100% load (EN ISO 2151)		dB(A)	63 / 70	63 / 70
Total heat rejection		btu/h	32500	47509
Heat rejection in oil cooler		btu/h	23400	34207
Pressure dew point		°F	41	41
Pressure drop		psi(g)	3.63	3.63
Total package power dryer		kW (hp)	0.68 (0.91)	0.68 (0.91)
Total input amps dryer (120VAC)		Amp	7.40	7.40
Weight		lbs	90	90
*Reference conditions according to DIN ISO 7183 (t ambient=77 °F, t inlet= 90°F, p= 100 psi) Total package power compressor with dryer = Total package power compressor + total package power dryer Max. operating pressure (compressor incl. dryer version) = Max. operating pressure compressor - pressure drop dryer Total weight compressor incl. dryer = Total weight compressor + weight dryer				

**Variable Speed Drive (8-11 kW)**

60 Hz USA

NXV8-100 psi		
n	acfm	P1 (kW)
1500	16.96	4.00
1941	22.92	5.10
2373	28.63	6.30
2820	34.56	7.30
3260	40.22	8.50
3700	45.98	9.60

NXV8-125 psi		
n	acfm	P1 (kW)
1600	15.09	4.50
1946	19.91	5.10
2371	25.16	5.70
2824	30.38	6.70
3254	35.43	8.30
3700	40.48	9.50

NXV8-150 psi		
n	acfm	P1 (kW)
1900	16.05	5.20
2200	20.02	5.70
2504	23.30	6.10
2804	26.45	6.70
3412	32.71	8.70
3700	35.81	9.60

NXV8-175 psi		
n	acfm	P1 (kW)
2200	15.53	6.10
2474	18.98	6.60
2723	21.96	6.90
2992	24.53	7.80
3249	27.03	8.70
3465	29.02	9.10

NXV11-100 psi		
n	acfm	P1 (kW)
1200	20.86	4.00
1802	33.17	5.60
2208	41.39	8.00
2604	49.46	9.90
3009	57.61	11.90
3412	65.41	13.70

NXV11-125 psi		
n	acfm	P1 (kW)
1200	18.24	5.00
1648	26.07	6.30
2098	34.12	7.70
2534	41.81	9.40
2968	49.87	11.10
3412	57.32	12.90

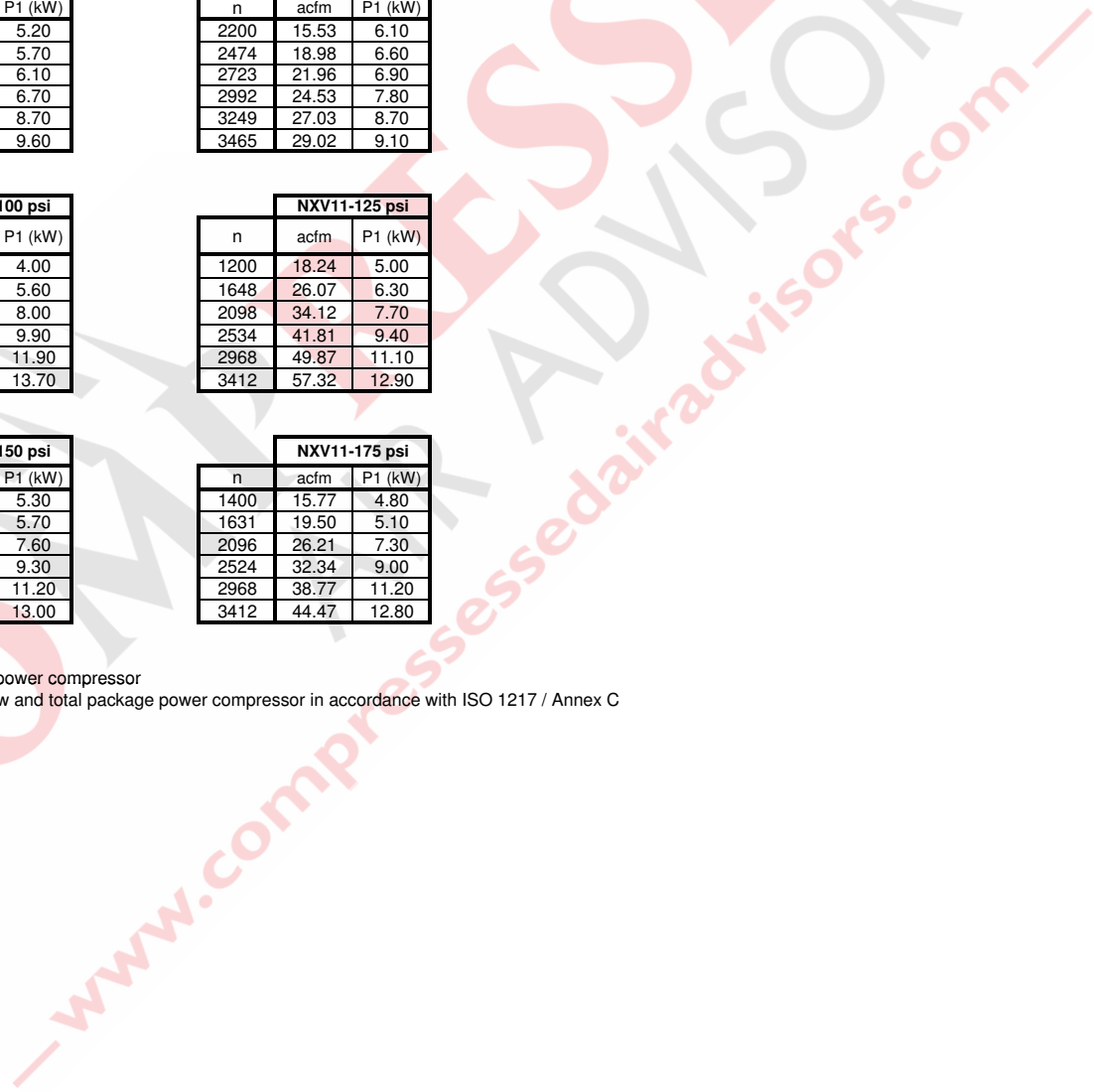
NXV11-150 psi		
n	acfm	P1 (kW)
1400	19.60	5.30
1633	22.74	5.70
2088	30.02	7.60
2532	37.03	9.30
2972	44.19	11.20
3412	50.97	13.00

NXV11-175 psi		
n	acfm	P1 (kW)
1400	15.77	4.80
1631	19.50	5.10
2096	26.21	7.30
2524	32.34	9.00
2968	38.77	11.20
3412	44.47	12.80

Note:

P1 = total package power compressor

Effective volume flow and total package power compressor in accordance with ISO 1217 / Annex C



**Variable Speed Drive (15 kW)**

60 Hz USA

			<b>15</b>
Electrical data	Operating pressure min. - max.	<b>psi(g)</b>	<b>100 - 175</b>
	Nominal drive motor power	<b>kW (hp)</b>	15 (20)
	Nominal voltage	<b>V</b>	460
	Nominal current at nominal voltage	<b>Amp</b>	25.3
	Drive motor enclosure / Insulation class		IP 55 / ISO F
	Nominal drive motor efficiency (max.)	<b>%</b>	88.7
	Nominal fan motor power (fan on motor shaft)	<b>kW (hp)</b>	N/A
Air end	Airend type		ES15
Cooling data	Compr. air temp. at 70°F ambient and max. pressure	<b>°F</b>	90.0
	Ambient temp. standard (min / max)	<b>°F</b>	37 - 113
	Cooling air capacity fan	<b>cfm</b>	1992
	Static back pressure (at 95° / 105° / 115°F)	<b>Pa (inchWC)</b>	50 (0.2) / 40 (0.16) / 30 (0.12)
Dimensions / weight / others	Dimensions (l x w x h)	<b>inch</b>	48x27x44
	Dimension mounted on tank 80 gal	<b>inch</b>	67x28x67
	Weight compressor	<b>lbs</b>	825
	Weight compressor + tank 80 gal	<b>lbs</b>	1134(1266)
	Compressed air outlet	<b>NPT</b>	3/4"
	Oil capacity	<b>gal</b>	2
	Residual oil content of air / with dryer	<b>ppm</b>	1 - 3 / 0,8 - 2
	Noise level at 50% / 100% load (EN ISO 2151)	<b>dB(A)</b>	63 / 72
	Total heat rejection	<b>btu/h</b>	61522
	Heat rejection in oil cooler	<b>btu/h</b>	44296
Dryer version*	Pressure dew point	<b>°F</b>	41
	Pressure drop	<b>psi(g)</b>	3.63
	Total package power dryer	<b>kW (hp)</b>	0.68 (0.91)
	Total input amps dryer (120VAC)	<b>Amp</b>	7.40
	Weight	<b>lbs</b>	90
*Reference conditions according to DIN ISO 7183 (t ambient=77 °F, t inlet= 90 °F, p= 100 psi) Total package power compressor with dryer = Total package power compressor + total package power dryer Max. operating pressure (compressor incl. dryer version) = Max. operating pressure compressor - pressure drop dryer Total weight compressor incl. dryer = Total weight compressor + weight dryer			

**Variable Speed Drive (15 kW)**

60Hz USA

NXV15-100 psi		
n	acfm	P1 (kW)
1500	32.44	7.60
1951	43.10	10.30
2396	53.96	11.60
2848	64.32	13.10
3298	74.48	15.00
3750	84.25	17.50

NXV15-125 psi		
n	acfm	P1 (kW)
1500	30.19	8.50
1951	40.69	10.30
2402	51.09	12.00
2851	61.27	14.00
3302	71.04	16.20
3750	80.18	18.80

NXV15-150 psi		
n	acfm	P1 (kW)
1500	25.62	9.03
1946	34.97	10.90
2458	45.19	12.50
2846	53.01	13.80
3298	61.91	16.00
3750	70.47	17.70

NXV15-175 psi		
n	acfm	P1 (kW)
1952	31.67	10.70
2400	40.37	12.40
2854	48.89	14.00
3299	57.00	15.70
3750	64.94	18.00

Note:

P1 = total package power compressor

Effective volume flow and total package power compressor in accordance with ISO 1217 / Annex C

