

Variable Speed Drive (18-22 kW)

60 Hz USA

			18	22
Operating pressure min. - max.		psi(g)	100 - 175	100 - 175
Electrical data	Nominal drive motor power	kW (hp)	18 (25)	22 (30)
	Nominal voltage	V	460	460
	Nominal current at nominal voltage	Amp	41.6	41.6
	Drive motor enclosure / Insulation class		IP 55 / ISO F	IP 55 / ISO F
	Nominal drive motor efficiency at 60Hz	%	91.7	91.7
	Nominal fan motor power (60Hz)	kW (hp)	0.75 (1)	0.75 (1)
Airend	Airend type		BSA21	BSA21
Cooling data	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	2930	2930
	Static back pressure (at 85° / 95° / 105°F)	Pa (inchWC)	120 (0.48) / 100 (0.40) / 80 (0.32)	120 (0.48) / 100 (0.40) / 80 (0.32)
Dimensions / weight / others	Dimensions (l x w x h)	inch	50x35x60	50x35x60
	Dimension mounted on tank 120 gal	inch	77x35x81	77x35x81
	Weight compressor	lbs	1469	1486
	Weight compressor + tank 120 gal	lbs	1971	1988
	Compressed air outlet	NPT	1"	1"
	Oil capacity	gal	4	4
	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)	65 / 73	65 / 75
	Total heat rejection	btu/h	N/A	N/A
	Heat rejection in oil cooler	btu/h	N/A	N/A
Dryer version*	Pressure dew point	°F	43	44
	Pressure drop	psi(g)	3.63	3.63
	Total package power dryer	kW (hp)	0.96 (1.3)	0.96 (1.3)
	Total input amps dryer (120VAC)	Amp	14.5	14.5
	Weight	lbs	132	132
<p>*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</p>				

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NXV18-100 psi		
n	acfm	P1 (kW)
1200	33.40	7.10
1679	48.90	10.80
2160	65.40	13.30
2650	81.40	16.10
3132	96.80	19.10
3618	112.00	22.30

NXV18-125 psi		
n	acfm	P1 (kW)
1200	32.80	10.60
1631	46.50	13.00
2063	61.40	15.20
2493	75.50	17.70
2921	89.10	20.20
3345	102.40	23.20

NXV18-150 psi		
n	acfm	P1 (kW)
1200	32.40	10.50
1671	47.60	13.80
1975	57.60	16.10
2291	68.40	18.60
2640	79.70	21.30
2950	90.50	23.50

NXV18-175 psi		
n	acfm	P1 (kW)
1500	40.30	13.80
1898	54.40	17.20
2303	67.20	19.80
2702	79.80	22.80

NXV22-100 psi		
n	acfm	P1 (kW)
1200	33.70	7.10
1805	52.80	11.70
2401	73.30	14.90
3003	92.50	18.90
3597	111.10	22.80
4200	128.60	27.00

NXV22-125 psi		
n	acfm	P1 (kW)
1200	32.70	7.90
1747	50.30	11.20
2281	68.60	14.90
2825	86.30	19.30
3356	102.80	23.00
3900	117.90	31.40

NXV22-150 psi		
n	acfm	P1 (kW)
1200	32.00	10.40
1702	48.30	13.90
2194	67.30	17.90
2702	81.50	21.40
3200	97.20	25.10
3700	112.30	29.10

NXV22-175 psi		
n	acfm	P1 (kW)
1500	40.30	13.80
1898	54.40	17.20
2303	67.20	19.80
2702	79.80	22.80
3105	93.30	26.10
3500	105.40	29.70

Note:

P1 = total package power compressor

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