

## Variable Speed Drive (30-37 kW)

60 Hz USA

			30	37
Operating pressure min. - max.		psi(g)	100 - 175	100 - 175
Electrical data	Nominal drive motor power	kW (hp)	30 (40)	37 (50)
	Nominal voltage	V	460	460
	Nominal current at nominal voltage	Amp	63.5	72.1
	Drive motor enclosure / Insulation class		IP 55 / ISO F	IP 55 / ISO F
	Nominal drive motor efficiency at 60Hz	%	93.0	93.0
	Nominal fan motor power (60Hz)	kW (hp)	1.1(1.5)	1.1(1.5)
	Airend type		BSA31	BSA31
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	3516	3516
	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	54x37x67	54x37x67
	Weight compressor	lbs	2051	2051
	Compressed air outlet	NPT	1 1/2"	1 1/2"
	Oil capacity	gal	5	5
	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)	69 / 74	70 / 76
	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	45
	Pressure drop	psi(g)	3.63	3.63
	Total package power dryer	kW (hp)	1.4 (1.9)	1.4 (1.9)
	Total input amps dryer (230VAC)	Amp.	11.0	11.0
	Weight	lbs	154	154
<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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NXV30-100 psi		
n	acfm	P1 (kW)
1050	51.80	11.30
1581	83.20	16.50
1974	99.80	19.10
2625	142.70	28.30
2990	162.50	32.40
3367	183.00	36.70

NXV30-125 psi		
n	acfm	P1 (kW)
1050	51.00	10.60
1586	82.50	18.90
1838	95.80	21.30
2170	115.00	25.50
2508	134.30	29.80
3171	168.70	38.20

NXV30-150 psi		
n	acfm	P1 (kW)
1050	49.70	14.40
1579	81.60	21.10
1778	91.70	23.20
2053	106.70	26.70
2331	123.20	30.40
2888	152.80	37.60

NXV30-175 psi		
n	acfm	P1 (kW)
1050	48.00	16.50
1320	63.70	19.90
1500	75.30	21.50
1716	87.50	23.50
2363	122.70	33.40
2580	134.90	36.00

NXV37-100 psi		
n	acfm	P1 (kW)
1050	51.80	11.30
1581	83.20	16.50
2044	109.80	21.30
2586	140.50	27.70
3668	197.90	40.30
4200	227.00	46.70

NXV37-125 psi		
n	acfm	P1 (kW)
1050	50.90	13.00
1586	82.50	18.90
2000	104.70	23.50
2484	133.00	29.60
3476	183.40	42.10
3971	210.30	48.30

NXV37-150 psi		
n	acfm	P1 (kW)
1050	49.00	14.40
1589	81.60	21.10
1926	100.20	24.70
2344	124.00	30.20
3193	168.30	40.90
3610	189.20	46.30

NXV37-175 psi		
n	acfm	P1 (kW)
1050	48.00	16.50
1585	80.10	23.40
1842	93.90	25.90
2191	112.40	30.60
2884	150.20	40.30
3226	167.80	45.10

Note:

P1 = total package power compressor

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