

8400 Series 145 hp JIRO Enerflex

SSP (3.0Vi) - Gardner Denver Gas Screw Compressor Flow Table At 1800 RPM

DISCHARGE PRESSURE (psig)

Pressure	DISCHARGE PRESSURE (psig)														
	50	60	80	100	120	140	160	180	200	220	240	260	280	300	320
0	0.657	0.656	0.652	0.648	0.644	0.513	0.446	0.38	0.315	0.250	X	X	X	X	X
	71	80	96	112	128	121	123	124	122	121	X	X	X	X	X
5	0.913	0.911	0.907	0.904	0.720	0.627	0.535	0.44	X	X	X	X	X	X	X
	73	83	102	120	116	119	121	124	X	X	X	X	X	X	X
S 10	1.168	1.167	1.163	1.159	0.924	0.806	0.574	0.488	X	X	X	X	X	X	X
	77	83	104	124	121	125	119	123	X	X	X	X	X	X	X
U 15	1.424	1.422	1.418	1.415	1.129	0.844	0.702	X	X	X	X	X	X	X	X
	81	88	105	126	124	119	123	X	X	X	X	X	X	X	X
C 20	1.680	1.678	1.674	1.670	1.166	0.998	0.854	X	X	X	X	X	X	X	X
	80	90	109	127	116	121	120	X	X	X	X	X	X	X	X
T 25	1.935	1.933	1.929	1.926	1.345	1.151	0.786	X	X	X	X	X	X	X	X
	76	90	112	129	116	123	122	X	X	X	X	X	X	X	X
I 30	2.194	2.189	2.185	1.745	1.524	1.304	0.969	X	X	X	X	X	X	X	X
	69	87	111	113	117	123	123	X	X	X	X	X	X	X	X
O 35	2.446	2.444	2.440	1.949	1.703	1.457	0.970	X	X	X	X	X	X	X	X
	59	81	108	114	120	123	123	X	X	X	X	X	X	X	X
N 40	2.705	2.700	2.696	2.154	1.882	1.342	1.079	X	X	X	X	X	X	X	X
	46	72	106	113	122	118	123	X	X	X	X	X	X	X	X
45	2.957	2.955	2.952	2.358	2.061	1.470	1.375	X	X	X	X	X	X	X	X
	30	61	102	111	122	121	125	X	X	X	X	X	X	X	X
50	3.207	3.207	3.207	2.563	2.240	1.598	X	X	X	X	X	X	X	X	X
	X	47	96	107	122	122	X	X	X	X	X	X	X	X	X

- COMPRESSOR LOAD FACTOR AT 80%
- COMPRESSOR LOAD FACTOR AT 70%
- COMPRESSOR LOAD FACTOR AT 60%
- COMPRESSOR LOAD FACTOR AT 50%
- COMPRESSOR LOAD FACTOR AT 40%

- Above flow rates are calculated in mmscfd at 1800 RPM +/- 10%
- BRAKE HORSPOWER (125 hp usable) +/- 10%
- Low Differential Pressure
- Consult Engineering

Operating Conditions: Ambient Temperature 95 deg. F: Inlet Temperature 60 deg.F: Elevation 2500 feet: SG = 0.65: RPM = 1800
 This chart is created by Jiro Engineering using Gardner Denver sizing program - Rotosize version 4.40.