








# S530 Series 530 hp JIRO Enerflex

SSY (0.846 Gear) - Gardner Denver Gas Screw Compressor Flow Table At 1800 RPM

## DISCHARGE PRESSURE (psig)

Pressure	50		60		80		100		120		140		160		180		200		220		250	
	0	2.340	249	2.340	264	2.320	315	2.310	361	2.300	405	2.280	446	2.270	486	2.050	490	1.880	490	1.720	490	1.590
	4.6	100%	4.6	100%	4.6	100%	4.6	100%	4.6	100%	4.6	100%	4.6	100%	4.6	91%	4.6	84%	4.6	77%	4.6	68%
5	3.250	255	3.250	290	3.230	349	3.220	395	3.210	445	3.100	490	2.830	490	2.530	490	2.270	490	2.040	490	1.800	490
	3.2	100%	3.7	100%	4.6	100%	4.6	100%	4.6	100%	4.6	97%	4.6	89%	4.6	80%	4.6	72%	4.6	65%	4.6	54%
10	4.160	269	4.156	300	4.140	366	4.130	428	4.120	474	3.730	490	3.310	490	2.890	490	2.560	490	2.300	490	2.010	490
	2.8	100%	2.8	100%	3.7	100%	3.7	100%	4.6	100%	4.6	91%	4.6	81%	4.6	71%	4.6	63%	4.6	55%	4.6	41%
15	5.073	285	5.066	308	5.053	379	5.040	444	4.770	490	4.310	490	3.750	490	3.240	490	2.730	490	2.500	490	x	x
	2.8	100%	2.8	100%	2.8	100%	3.7	100%	3.7	95%	4.6	86%	4.6	75%	4.6	65%	4.6	55%	4.6	45%	x	x
20	5.983	287	5.976	320	5.963	381	5.950	452	5.400	490	4.680	490	4.080	490	3.480	490	2.820	490	x	x	x	x
	2.8	100%	2.8	100%	2.8	100%	3.2	100%	3.7	91%	3.7	79%	4.6	69%	4.6	59%	4.6	48%	x	x	x	x
25	6.893	276	6.887	322	6.873	394	6.860	457	6.160	490	5.190	490	4.360	490	3.470	490	2.850	490	x	x	x	x
	2.8	100%	2.8	100%	2.8	100%	2.8	100%	3.2	90%	3.7	76%	3.7	64%	4.6	51%	4.6	42%	x	x	x	x
30	7.803	264	7.787	315	7.783	397	7.770	470	6.830	490	5.730	490	4.720	490	3.700	490	x	x	x	x	x	x
	2.8	100%	2.8	100%	2.8	100%	2.8	100%	2.8	88%	3.2	74%	3.7	61%	3.7	48%	x	x	x	x	x	x
35	8.713	221	8.707	227	8.694	390	8.680	479	7.540	490	6.230	490	5.100	490	3.800	490	x	x	x	x	x	x
	2.8	100%	2.8	100%	2.8	100%	2.8	100%	2.8	87%	2.8	72%	3.2	59%	3.7	44%	x	x	x	x	x	x
40	9.523	179	9.516	270	9.504	384	9.591	479	8.040	490	6.890	490	5.350	490	3.910	490	x	x	x	x	x	x
	2.8	100%	2.8	100%	2.8	100%	2.8	100%	2.8	84%	2.8	72%	2.8	56%	3.2	41%	x	x	x	x	x	x
45	10.520	126	10.520	234	10.514	373	10.501	472	8.700	490	7.230	490	5.960	490	x	x	x	x	x	x	x	x
	2.8	100%	2.8	100%	2.8	100%	2.8	100%	2.8	83%	2.8	69%	2.8	56%	x	x	x	x	x	x	x	x
50	x	x	11.430	180	11.425	355	11.411	460	9.460	490	7.630	490	6.250	490	x	x	x	x	x	x	x	x
	x	x	2.8	100%	2.8	100%	2.8	100%	2.8	83%	2.8	67%	2.8	55%	x	x	x	x	x	x	x	x

-  -Above flow rates are calculated in mmscfd at 1800 RPM +/- 10%
-  -BRAKE HORSPOWER (490 hp max useable) +/- 10%
-  -Vi Setting
-  -Slide Valve Position
-  -Low Differential Pressure
-  -High 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.