

3500 Series 95 hp JIRO Enerflex

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

DISCHARGE PRESSURE (psig)

		50	60	80	100	120	140	160	180	200	220	240	260	280	300	320
S U C T I O N	0	0.328	0.327	0.325	0.323	0.322	0.321	0.318	0.291	0.269	0.250	0.238	0.225	0.214	0.205	0.198
		35	39	48	55	63	70	77	80	80	80	80	80	80	80	80
	5	0.456	0.455	0.453	0.451	0.449	0.448	0.420	0.377	0.336	0.298	0.263	0.225	0.203	0.181	x
		36	41	50	59	67	75	80	80	80	80	80	80	80	80	x
	10	0.584	0.583	0.581	0.581	0.578	0.576	0.512	0.457	0.398	0.340	0.296	0.244	x	x	x
		38	41	51	61	70	78	80	80	80	80	80	80	x	x	x
	15	0.713	0.712	0.711	0.708	0.706	0.680	0.601	0.527	0.457	0.390	0.319	x	x	x	x
		40	43	51	62	72	80	80	80	80	80	80	x	x	x	x
	20	0.841	0.841	0.839	0.837	0.835	0.790	0.689	0.599	0.512	0.411	0.328	x	x	x	x
		40	44	53	62	72	80	80	80	80	80	80	x	x	x	x
(psig)	25	0.971	0.971	0.968	0.966	0.964	0.900	0.781	0.667	0.571	0.454	x	x	x	x	x
		38	44	54	63	73	80	80	80	80	80	x	x	x	x	x
	30	1.100	1.099	1.097	1.095	1.093	1.019	0.866	0.757	0.619	0.482	x	x	x	x	x
		34	42	54	65	73	80	80	80	80	80	x	x	x	x	x
	35	1.229	1.228	1.227	1.225	1.223	1.147	0.968	0.821	0.671	0.508	x	x	x	x	x
		29	39	53	65	75	80	80	80	80	80	x	x	x	x	x
	40	1.359	1.358	1.356	1.354	1.353	1.229	1.070	0.907	0.728	0.533	x	x	x	x	x
		22	35	51	65	76	80	80	80	80	80	x	x	x	x	x
	45	1.478	1.483	1.486	1.485	1.483	1.318	1.172	0.994	0.793	0.584	x	x	x	x	x
		14	29	49	63	76	80	80	80	80	80	x	x	x	x	x
	50	x	1.619	1.617	1.615	1.613	1.420	1.226	1.066	0.872	0.635	x	x	x	x	x
		x	22	46	61	75	80	80	80	80	80	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%

	-Flow rates calculated in mmscfd at 1800 RPM +/- 10%
	-BRAKE HORSE POWER (80 hp useable) +/- 10%
	-Low Differential Pressure
	-Consult Engineering

Operating Conditions: Elevation 2500 feet: SG = 0.65: RPM = 1800:
Ambient Temperature 95 deg. F: Inlet Temperature 60 deg.F.
The maximum Differential Pressure for this compressor is 200 psig.

This chart is created by Jiro Engineering using Gardner Denver sizing program - Rotosize version 4.40.