

7400 Series 145 hp JIRO Enerflex

SSM (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	0.494	0.493	0.490	0.487	0.496	0.493	0.490	0.488	0.485	0.386	0.383	0.333	0.284	0.235	0.187
	48	54	66	77	90	101	111	121	128	114	118	112	106	101	98
5	0.684	0.683	0.680	0.696	0.693	0.690	0.687	0.684	0.545	0.475	0.473	0.404	0.402	0.333	0.266
	49	56	69	84	96	107	118	129	118	117	124	122	125	120	116
S 10	0.874	0.873	0.870	0.893	0.890	0.887	0.884	0.705	0.702	0.613	0.523	0.435	0.347	0.345	x
	51	57	71	87	100	112	124	115	124	123	121	120	119	125	x
U 15	1.064	1.063	1.060	1.089	1.086	1.083	1.081	0.862	0.752	0.643	0.534	0.533	0.425	x	x
	52	59	71	89	102	116	128	119	119	118	118	125	124	x	x
C 20	1.255	1.254	1.251	1.286	1.283	1.280	1.277	1.020	0.890	0.761	0.633	0.505	x	x	x
	50	59	74	89	104	118	130	122	122	122	121	122	x	x	x
T 25	1.446	1.444	1.442	1.483	1.480	1.477	1.179	1.177	1.028	0.879	0.731	0.584	x	x	x
	46	57	75	91	104	119	113	125	125	125	124	125	x	x	x
I 30	1.637	1.636	1.633	1.680	1.677	1.674	1.337	1.168	0.999	0.831	0.664	x	x	x	x
	40	54	75	93	104	119	114	116	117	118	120	x	x	x	x
O 35	1.829	1.827	1.824	1.876	1.873	1.871	1.494	1.305	1.117	0.929	0.742	x	x	x	x
	33	49	72	94	108	119	114	117	119	120	122	x	x	x	x
N 40	2.020	2.019	2.016	2.073	2.070	2.067	1.652	1.443	1.235	1.028	0.821	x	x	x	x
	24	41	69	93	109	122	114	117	119	121	123	x	x	x	x
45	2.260	2.260	2.270	2.270	2.267	2.264	1.809	1.581	1.353	1.126	0.900	x	x	x	x
	20	42	71	91	110	124	116	117	120	122	125	x	x	x	x
50	x	2.470	2.470	2.467	2.464	2.461	1.966	1.719	1.471	1.225	0.979	x	x	x	x
	x	33	67	88	109	125	118	118	119	122	125	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.