



EGAS UNITS

UNIT	GAS VOLUME e3m3/d at various suction pressures ^{(1) (2)}								
	At 60 psi discharge			At 150 psi discharge			At max delta P discharge ^{(3) (4)}		
	Suction			Suction			Suction		
	5 psi	10 psi	15 psi	5 psi	10 psi	15 psi	5 psi	10 psi	15 psi
823 15hp Δ160	0.96	1.22	1.49	.84	1.11	1.37	0.82	1.09	1.36
823HF 15hp Δ90	1.42	1.81	2.21				1.36	1.75	2.16
828 15hp Δ240	0.64	0.82	1.00	0.56	0.74	0.92	0.47	0.66	0.83
830 30hp Δ380	1.07	1.36	1.65	0.96	1.25	1.55	0.66	0.90	1.15
1030 30hp Δ230	1.75	2.22	2.70	1.55	2.05	2.54	1.20	1.60	2.00
1030HF 50hp Δ235	2.74	3.50	4.25	2.37	3.20	3.95	1.90	2.50	3.10
1035 50hp Δ320	1.75	2.22	2.70	1.57	2.05	2.54	1.15	1.55	1.95
1035HF 75hp Δ320	2.74	3.50	4.25	2.45	3.20	3.95	1.81	2.43	3.05
1235 50hp Δ220	2.52	3.24	3.91	2.28	2.98	3.66	1.87	2.45	3.04
1235HF 50hp Δ220	3.40	4.35	5.30	2.60	3.45	4.35	2.15	2.80	3.50
1835 50hp Δ65	6.49	8.75	11.30				6.81	8.60	10.40
1845 75hp Δ160	6.30	8.05	9.80				4.60	5.90	7.30
1845HF 100hp Δ160	7.50	9.70	11.80	5.30	7.10	9.00	5.95	7.70	9.40
2245 75hp Δ100	9.50	12.10	14.70				7.85	10.00	12.20
2245HF 100hp Δ100	11.50	14.60	17.80				9.50	12.10	14.80
HIGH DISCHARGE PRESSURES AND GAS VOLUMES EXAMPLES									
	At 150 psi discharge			At 250 psi discharge			At max delta P discharge ^{(3) (4)}		
	Suction			Suction			Suction		
	50 psi	75 psi	100 psi	100 psi	125 psi	150 psi	120 psi	135 psi	150 psi
1035HF 75hp Δ320	9.25	13.00	16.80	15.70	20.20	24.00	16.20	18.10	20.00
1235HF 50hp Δ220	11.60	16.30	21.00	17.00	23.50	30.00	17.50	19.50	21.50
1845HF 100hp Δ160	25.70	36.40	46.60		48.00	57.00	46.00	51.50	56.50
2245HF 100hp Δ100		46.50	63.50				70.00	78.00	86.00

- (1) At higher suction pressures, the gas volume capacity increases.
- (2) Installing parallel units will increase gas volumes.
- (3) Max Delta P discharge gas rates for models 830 and higher, are calculated at 80% of delta or below (Green Section Discharge Pressure = Max Delta P rating for unit X 0.8 + suction pressure). Lower suction pressures and/or higher gas volumes can be achieved operating units at max pressures and speeds.
- (4) Installing units in series (two or three stage) will increase delta P. Coolers may be required.
- (5) Custom units to meet pressures and volumes can be designed and manufactured.
- (6) Contact IJACK for a simulation based on a specific application.