

American

Gas Compression Services Inc.

American Gas Compression Services, Inc. (AGCSI) rents, sells and services gas compression equipment, including remanufactured and new equipment, and provides gas compression services. AGCSI is a wholly owned subsidiary of American Atlas Resource Corporation.

Quick Chart

The following chart is an approximation tool used to estimate the horsepower requirement and configuration of a compressor (brake horsepower per million cu. ft.).

		Discharge Pressure (PSIG)																
		25	50	75	100	150	200	250	300	400	500	600	700	800	900		1000	
Suction Pressure (PSIG)	0	65	99	128	144	168	187	203	218	233	248	260	272	282	291	299*	Three stage	
	10	35	63	85	104	131	149	163	175	196	214	231	235	242	250	257		
	20		43	62	78	106	126	139	151	170	186	199	212	225	228	232		
		30		29	47	62	85	107	123	133	152	167	179	191	201	211	221	Two stage
		40			36	50	72	90	107	121	138	152	164	175	185	194	202	
		50			26	41	61	78	93	106	127	141	153	163	173	181	189	
		60				32	53	69	83	95	118	131	143	153	162	170	178	
		70				25	46	61	74	86	109	123	135	145	153	161	169	
		80					40	54	67	78	98	117	127	137	146	153	161	
		90					34	49	61	72	91	109	121	131	139	147	154	Single stage
		100					28	44	55	66	84	100	116	125	133	141	148	
		150						22	35	45	60	74	86	98	110	118	124	
		200								30	45	58	68	78	88	96	105	
		250									33	46	56	65	73	81	88	
		300									23	36	46	54	62	69	76	
		350										27	38	46	53	60	67	
	400											30	39	46	53	60		
	500												26	34	41	46		
	600													23	30	37		

*For example: it will require 299 horsepower of compression distributed among 3 stages to move from a suction pressure of "0" to a discharge pressure of "1000" for every 1000 MCFD.

For a flow of 500 MCFD, 50% (500 MCFD/ 1000 MCFD) of the horsepower is required.