

BUTANE COMPRESSOR SELECTION TABLE

APRIL 1995  
SUPERSEDES VE201H

SERVICE	CAPACITY GPM(1)	DISPLACEMENT CFM	COMPRESSOR		DRIVER SHEAVE SIZE P.D.(2)		DRIVER HORSEPOWER				PIPING SIZE (3)	
							LIQUID TRANSFER AND RESIDUAL VAPOR RECOVERY		LIQUID TRANSFER WITHOUT RESIDUAL VAPOR RECOVERY			
							100°F	80°F	100°F	80°F		
MODEL	RPM	1750RPM	1460RPM					VAPOR	LIQUID			
SMALL BULK PLANTS	13	4	91	400	A 3.0	A 3.6	3	3	3	3	3/4	1 1/4
	17	5	91	505	A 3.8	B 4.6	3	3	3	3	3/4	1 1/4
	20	6	91	590	B 4.6	B 5.6	3	3	3	3	1	1 1/4
	24	7	91	695	B 5.4	B 6.6	5	5	5	5	1	1 1/2
	23	7	290,291	345	A 3.0	A 3.6	2	2	2	2	1	1 1/2
UNLOADING SINGLE TANK CAR OR TRANSPORT	27	8	91	795	B 6.2	B 7.4	5	5	5	5	1	1 1/2
	26	8	290,291	390	A 3.4	B 4.0	2	2	2	2	1	1 1/2
	30	9	290,291	435	A 3.8	B 4.6	3	3	3	3	1	1 1/2
	33	10	290,291	490	B 4.4	B 5.2	3	3	3	3	1	2
	36	11	290,291	535	B 4.8	B 5.8	3	3	3	3	1	2
	39	12	290,291	580	B 5.2	B 6.2	5	5	5	5	1	2
	42	13	290,291	625	B 5.6	B 6.6	5	5	5	5	1 1/4	2
	47	14	290,291	695	B 6.2	B 7.4	5	5	5	5	1 1/4	2
	50	15	290,291	735	B 6.6	B 8.0	5	5	5	5	1 1/4	2 1/2
	50	15	490,491	345	A 3.0	A 3.6	5	5	5	5	1 1/4	2 1/2
	53	16	290,291	780	B 7.0	B 8.6	7 1/2	5	7 1/2	5	1 1/4	2 1/2
53	16	490,491	370	A 3.2	A 3.8	5	5	5	5	1 1/4	2 1/2	
UNLOADING TWO OR MORE TANK CARS AT ONE TIME OR LARGE TRANSPORT WITH EXCESS FLOW VALVES OF ADEQUATE CAPACITY	56	17	490,491	390	A 3.4	B 4.0	5	5	5	5	1 1/4	3
	60	18	490,491	415	A 3.6	B 4.4	5	5	5	5	1 1/4	3
	63	19	490,491	435	A 3.8	B 4.6	5	5	5	5	1 1/4	3
	65	20	490,491	445	B 4.0	B 4.8	5	5	5	5	1 1/4	3
	68	21	490,491	470	B 4.2	B 5.0	5	5	5	5	1 1/4	3
	71	22	490,491	490	B 4.4	B 5.2	7 1/2	5	7 1/2	5	1 1/4	3
	75	23	490,491	515	B 4.6	B 5.6	7 1/2	5	7 1/2	5	1 1/4	3
	77	24	490,491	535	B 4.8	B 5.8	7 1/2	7 1/2	7 1/2	7 1/2	1 1/4	3
	81	25	490,491	560	B 5.0	B 6.0	7 1/2	7 1/2	7 1/2	7 1/2	1 1/4	3
	84	26	490,491	580	B 5.2	B 6.2	7 1/2	7 1/2	7 1/2	7 1/2	1 1/4	3
	87	27	490,491	605	B 5.4	B 6.4	7 1/2	7 1/2	7 1/2	7 1/2	1 1/4	3
	91	28	490,491	625	B 5.6	B 6.6	7 1/2	7 1/2	7 1/2	7 1/2	1 1/4	3
	94	29	490,491	650	B 5.8	B 7.0	10	7 1/2	10	7 1/2	1 1/2	3
	97	30	490,491	670	B 6.0	B 7.0	10	7 1/2	10	7 1/2	1 1/2	3
	94	30	690,691	400	B 4.4	B 5.2	7 1/2	7 1/2	7 1/2	7 1/2	1 1/2	3
	100	31	490,491	695	B 6.2	B 7.4	10	7 1/2	10	7 1/2	1 1/2	3
	98	31	690,691	420	B 4.6	B 5.6	10	7 1/2	10	7 1/2	1 1/2	3
	107	32	490,491	740	B 6.6	B 8.0	10	10	10	10	1 1/2	3
103	32	690,691	440	B 4.8	B 5.8	10	7 1/2	10	7 1/2	1 1/2	3	
110	33	490,491	760	B 6.8	B 8.0	10	10	10	10	1 1/2	3	
113	34	490,491	780	B 7.0	B 8.6	10	10	10	10	1 1/2	3	
107	34	690,691	455	B 5.0	B 6.0	10	10	10	10	1 1/2	3	
111	35	690,691	475	B 5.2	B 6.2	10	10	10	10	1 1/2	3	
119	36	490,491	825	B 7.4	B 8.6	15	10	15	10	1 1/2	3	
116	36	690,691	495	B 5.4	B 6.4	10	10	10	10	1 1/2	3	
UNLOADING LARGE TANK CARS, MULTIPLE VESSELS, BARGES OR TERMINALS	120	38	690,691	510	B 5.6	B 6.8	10	10	10	10	1 1/2	4
	124	39	690,691	530	B 5.8	B 7.0	10	10	10	10	1 1/2	4
	129	41	690,691	550	B 6.0	A 7.0	10	10	10	10	1 1/2	4
	133	42	690,691	565	B 6.2	B 7.4	10	10	10	10	2	4
	137	43	690,691	585	B 6.4	A 7.4	10	10	10	10	2	4
	142	45	690,691	605	B 6.6	B 8.0	15	10	15	10	2	4
	145	46	690,691	620	B 6.8		15	10	15	10	2	4
	150	47	690,691	640	B 7.0	A 8.2	15	10	15	10	2	4
	158	48	690,691	675	B 7.4	B 8.6	15	15	15	15	2	4
	171	54	690,691	730	B 8.0	B 9.4	15	15	15	15	2	4
	184	58	690,691	785	B 8.6		15	15	15	15	2	4
	193	60	690,691	820	TB 9.0	A 10.6	15	15	15	15	2	4
	260	82.1	D891	580	5V 7.1	5V 8.5	20	20	20	20	3	6
	359	113.3	D891	800	5V 9.75	5V 11.8	25	25	25	25	3	6

Consult factory for compressors for higher flows.

NOTES:

- (1) The capacities shown are based on 70°F, but will vary depending upon piping, fittings used, product being transferred and temperature. The factory can supply a detailed computer analysis if required.
- (2) Driver sheaves: 91 - 2 belts; 290,291,490,491 - 3 belts; 690,691 - 4 belts.