

PROPANE COMPRESSOR SELECTION TABLE

APRIL 1995
SUPERSEDES VE200H

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	23	4	91	400	A 3.0	A 3.6	5	3	3	3	3/4	1 1/4
	29	5	91	505	A 3.8	B 4.6	5	5	5	5	3/4	1 1/4
	34	6	91	590	B 4.6	B 5.6	5	5	5	5	1	1 1/4
	40	7	91	695	B 5.4	B 6.6	5	5	5	5	1	1 1/2
	39	7	290,291	345	A 3.0	A 3.6	3	3	3	3	1	1 1/2
UNLOADING SINGLE TANK CAR OR TRANSPORT	45	8	91	795	B 6.2	B 7.4	7 1/2	7 1/2	7 1/2	7 1/2	1	1 1/2
	44	8	290,291	390	A 3.4	B 4.0	5	3	3	3	1	1 1/2
	50	9	290,291	435	A 3.8	B 4.6	5	5	3	3	1	1 1/2
	56	10	290,291	490	B 4.4	B 5.2	5	5	5	5	1	2
	61	11	290,291	535	B 4.8	B 5.8	5	5	5	5	1	2
	66	12	290,291	580	B 5.2	B 6.2	7 1/2	5	5	5	1	2
	71	13	290,291	625	B 5.6	B 6.6	7 1/2	5	7 1/2	5	1 1/4	2
	79	14	290,291	695	B 6.2	B 7.4	7 1/2	7 1/2	7 1/2	7 1/2	1 1/4	2
	84	15	290,291	735	B 6.6	B 8.0	10	7 1/2	10	7 1/2	1 1/4	2 1/2
	84	15	490,491	345	A 3.0	A 3.6	7 1/2	7 1/2	5	5	1 1/4	2 1/2
	89	16	290,291	780	B 7.0	B 8.6	10	10	10	10	1 1/4	2 1/2
	89	16	490,491	370	A 3.2	A 3.8	7 1/2	7 1/2	7 1/2	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	95	17	490,491	390	A 3.4	B 4.0	7 1/2	7 1/2	7 1/2	7 1/2	1 1/4	3
	101	18	490,491	415	A 3.6	B 4.4	10	7 1/2	7 1/2	7 1/2	1 1/4	3
	106	19	490,491	435	A 3.8	B 4.6	10	7 1/2	7 1/2	7 1/2	1 1/4	3
	108	20	490,491	445	B 4.0	B 4.8	10	7 1/2	7 1/2	7 1/2	1 1/4	3
	114	21	490,491	470	B 4.2	B 5.0	10	7 1/2	7 1/2	7 1/2	1 1/4	3
	119	22	490,491	490	B 4.4	B 5.2	10	10	7 1/2	7 1/2	1 1/4	3
	125	23	490,491	515	B 4.6	B 5.6	10	10	10	7 1/2	1 1/4	3
	130	24	490,491	535	B 4.8	B 5.8	15	10	10	10	1 1/4	3
	136	25	490,491	560	B 5.0	B 6.0	15	10	10	10	1 1/4	3
	141	26	490,491	580	B 5.2	B 6.2	15	10	10	10	1 1/4	3
	147	27	490,491	605	B 5.4	B 6.4	15	10	15	10	1 1/4	3
	152	28	490,491	625	B 5.6	B 6.6	15	15	15	15	1 1/2	3
	158	29	490,491	650	B 5.8	B 7.0	15	15	15	15	1 1/2	3
	163	30	490,491	670	B 6.0	B 7.0	15	15	15	15	1 1/2	3
	163	30	690,691	400	B 4.4	B 5.2	15	15	10	10	1 1/2	3
	168	31	490,491	695	B 6.2	B 7.4	15	15	15	15	1 1/2	3
	171	31	690,691	420	B 4.6	B 5.6	15	15	10	10	1 1/2	3
	179	32	490,491	740	B 6.6	B 8.0	15	15	15	15	1 1/2	3
178	32	690,691	440	B 4.8	B 5.8	15	15	10	10	1 1/2	3	
186	34	690,691	455	B 5.0	B 6.0	15	15	15	10	1 1/2	3	
193	35	690,691	475	B 5.2	B 6.2	15	15	15	10	1 1/2	3	
200	36	690,691	495	B 5.4	B 6.4	15	15	15	15	1 1/2	3	
UNLOADING LARGE TANK CARE, MULTIPLE VESSELS, BARGES OR TERMINALS	208	38	690,691	510	B 5.6	B 6.8	20	15	15	15	1 1/2	4
	215	39	690,691	530	B 5.8	B 7.0	20	15	15	15	1 1/2	4
	223	41	690,691	550	B 6.0	A 7.0	20	15	15	15	1 1/2	4
	230	42	690,691	565	B 6.2	B 7.4	20	15	15	15	2	4
	237	43	690,691	585	B 6.4	A 7.4	20	15	15	15	2	4
	245	45	690,691	605	B 6.6	B 8.0	20	15	15	15	2	4
	252	46	690,691	620	B 6.8		20	20	15	15	2	4
	260	47	690,691	640	B 7.0	A 8.2	20	20	20	15	2	4
	275	48	690,691	675	B 7.4	B 8.6	25	20	20	20	2	4
	297	54	690,691	730	B 8.0	B 9.4	25	20	20	20	2	4
	319	58	690,691	785	B 8.6		25	20	25	20	2	4
	334	60	690,691	820	TB 9.0	A 10.6	30	25	25	20	2	4
	452	82	D891	580	5V 7.1	5V 8.5	30	30	30	30	3	6
623	113	D891	800	5V 9.75	5V 11.8		40	40	30	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.
- (3) The piping sizes shown are considered minimum. If the length exceeds 100 ft., use the next larger size.