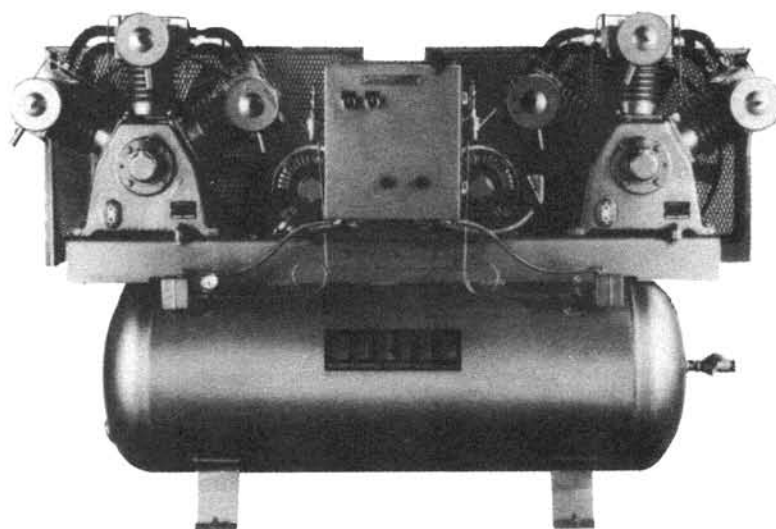
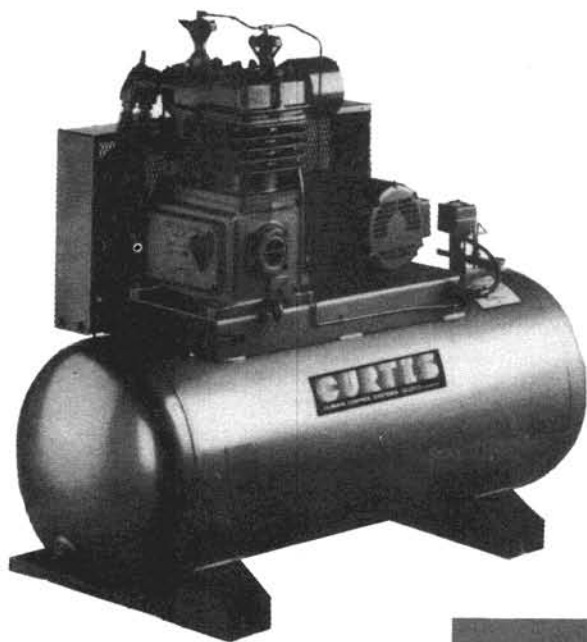


CURTIS

The Symbol of Quality and Excellence since 1854

- SUBMITTAL DATA -

CLIMATE CONTROL COMPRESSORS



**Providing Clean, Dry
Air for Instrument
Control Equipment**

CURTIS SIMPLEX SPECIFICATIONS

Curtis Simplex Compressors

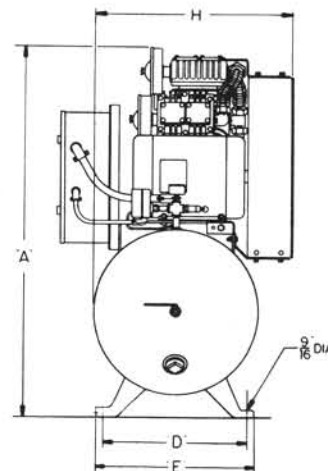
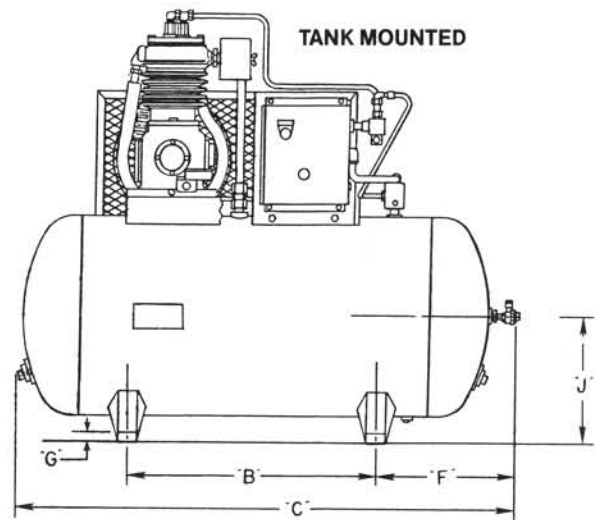
Standard Equipment

- Large Intake Filter Silencer.
- ASME National Board Stamped Receiver.
- ASME Safety Relief Valve.
- Pressure Gage.
- Receiver Condensate Drain Valve.
- Discharge Line Check Valve.
- Receiver Shut-Off Valve.
- V-Belt Drive.
- NEMA Motors and Pressure Switches.
- OSHA Totally Enclosed Steel Belt Guard.
- Crankcase Lubrication Level Indicator.
- Pressure Switch Operated Automatic Start and Stop Control (Set 80 PSI).

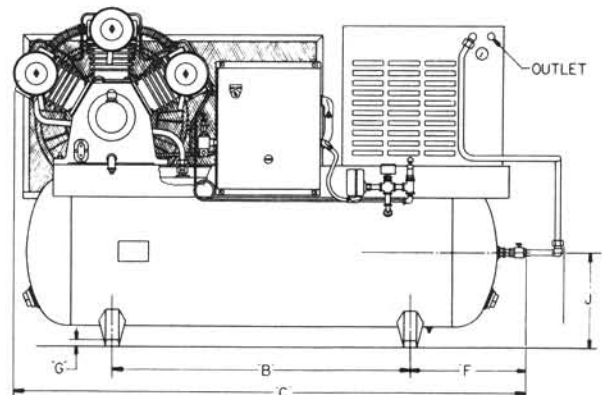
Optional Accessories

- Magnetic Motor Starters With Overload Protection and On/Off Switch.
- Discharge Air Coalescer Filters.
- Low Oil Level Shutdown.*
- Automatic Condensate Traps.
- Air-Cooled Aftercoolers.
- Refrigerated Dryers.
- Isolator Pads.
- Spring Isolators.
- PRV Station.

Above items can be factory mounted and wired.



END VIEW
for both
TANK MOUNTED
and
DRYER MOUNTED



- * Contact factory for specific compressor availability.
- Refer to Simplex Specification for dimensions and available receiver sizes. Refer to required HP listed under Simplex Specifications for RPM and CFM.

CURTIS DUPLEX SPECIFICATIONS

- When Large Amounts of Air are Needed.
- Alternating Operation for Greater Efficiency.
- Uninterrupted Service During Compressor Maintenance.

Curtis Duplex Compressors

Standard Equipment

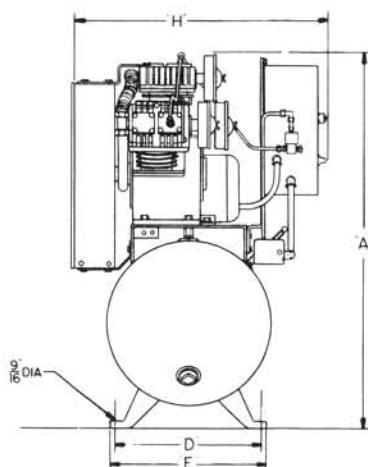
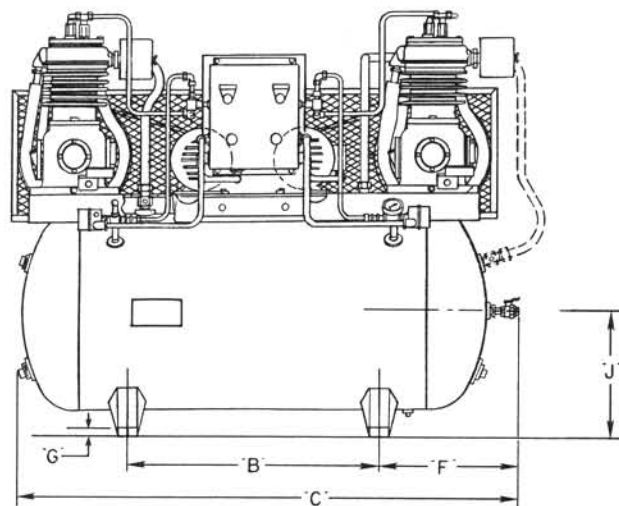
- Large Intake Filter Silencer.
- ASME National Board Stamped Receiver.
- ASME Safety Relief Valve.
- Pressure Gage.
- Receiver Condensate Drain Valve.
- Discharge Line Check Valve.
- Receiver Shut-Off Valve.
- V-Belt Drive.
- NEMA Motors and Pressure Switches.
- OSHA Totally Enclosed Steel Belt Guard.
- Crankcase Lubrication Level Indicator.
- Pressure Switch Operated Automatic Start and Stop Control (Set 80 PSI).

Optional Accessories

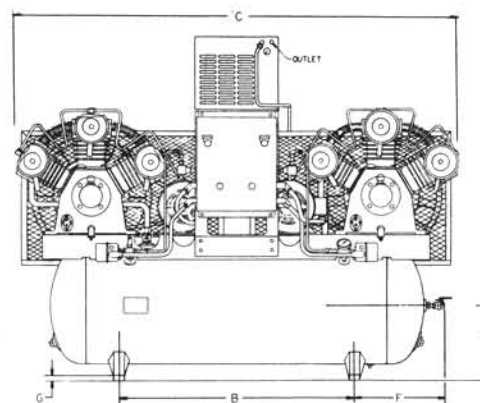
- Magnetic Motor Starters With Overload Protection and On/Off Switch.
- Discharge Air Coalescer Filters.
- Low Oil Level Shutdown.*
- Automatic Condensate Traps.
- Air-Cooled Aftercoolers.
- Refrigerated Dryers.
- Alternator Panels: Provides Equal Utilization of Compressors to Minimize Maintenance Downtime. Note: starters are mounted inside alternator panel.
- Isolator Pads.
- Spring Isolators.
- PRV Station.

* Contact factory for specific compressor availability.

Above items can be factory mounted and wired.

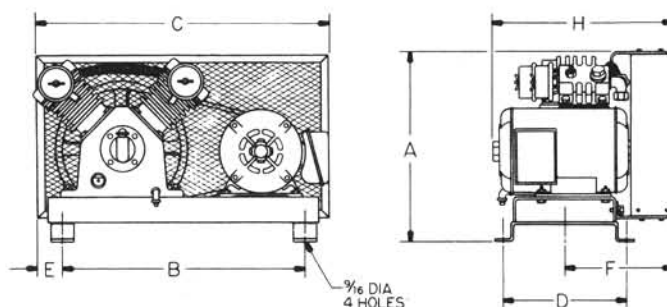


END VIEW
for both
TANK MOUNTED
and
DRYER MOUNTED



Specifications for SIMPLEX BASE MOUNTED Compressors

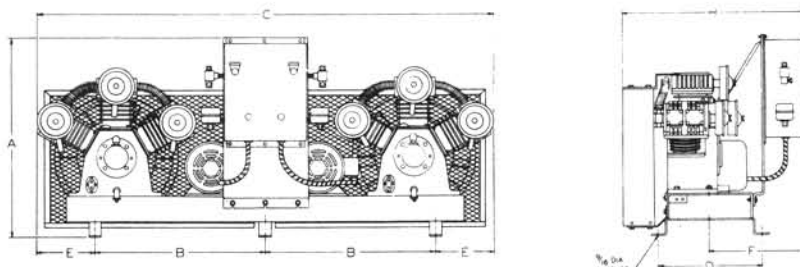
MODEL	MOTOR HP	RPM	CFM @ 80 PSI	A	B	C	D	E	F	H	WT.	DIS-CHARGE NPT
WSA2	1/3	460	1.7	14 1/4	14 1/2	23	9	5	5 7/8	11	150	1/2"
WSA3	1/2	530	2.1	14 1/4	14 1/2	23	9	5	5 7/8	11	165	
WSF4	3/4	460	3.2	16 5/8	16 1/8	26 1/4	11 7/8	5 1/4	8 1/2	15	175	
WSG5	1	490	4.1	18 1/4	16 1/8	28 3/8	11 7/8	7 3/8	9 1/8	15 5/8	200	
WSH6	1 1/2	580	6.0	18 1/4	16 1/8	28 3/8	11 7/8	7 3/8	9 1/8	15 5/8	335	3/4"
WSJ7	2	490	7.5	21	28	33 1/4	13	4 1/4	10	17	375	
WSN8	3	495	11.3	23 5/8	28	34 7/8	13	5 7/8	10 3/4	17 3/4	415	
WSN9	5	650	15.2	23 5/8	28	34 7/8	13	5 7/8	10 3/4	19	430	
WSS9	5	550	17.5	27 1/2	32 5/8	43	16 1/4	8 3/4	14 3/8	23 1/8	558	1-1/4"
WST9	5	500	21.2	27 1/2	32 5/8	43	16 1/4	8 3/4	14 3/8	23 1/8	680	
WST10	7 1/2	650	29.7	27 1/2	32 5/8	43	16 1/4	8 3/4	14 3/8	23 1/8	695	
WSW11	10	560	37.6	33 1/4	29	40	13 5/8	10 1/4	14 1/4	21 3/4	1000	
WSZ12	15	650	67.4	34 1/2	37 5/8*	44 3/8	25 1/4	5 1/2	22	36 5/8	1150	
WSZ13	20	795	82.2	34 1/2	37 5/8*	44 3/8	25 1/4	5 1/2	22	36 5/8	1325	
WSZ14	25	940	92.7	34 1/2	37 5/8*	44 3/8	25 1/4	5 1/2	22	36 5/8	1450	



Specifications for DUPLEX BASE MOUNTED Compressors

MODEL	MOTOR HP	RPM	CFM @ 80 PSI	A	B	C	D	E	F	H*	WT.	DIS-CHARGE NPT
WDA2	1/3	460	1.7	37 1/4	19 3/4	49 1/2	9	5	14 3/4	20 5/8	370	1/2"
WDA3	1/2	530	2.1	37 1/4	19 3/4	49 1/2	9	5	14 3/4	20 5/8	400	
WDF4	3/4	460	3.2	37 5/8	22 3/4	56	11 7/8	5 1/4	12 1/2	21	415	
WDG5	1	490	4.1	37 5/8	22 3/4	60 1/4	11 7/8	7 3/8	12 1/2	21 5/8	475	
WDH6	1 1/2	580	6.0	37 5/8	22 3/4	60 1/4	11 7/8	7 3/8	12 1/2	21 5/8	605	3/4"
WDJ7	2	490	7.5	38 1/4	30 1/2	69 1/2	12	4 1/4	13 1/4	23 1/4	620	
WDN8	3	495	11.3	38 1/4	30 1/2	72 3/4	12	5 7/8	13 1/4	24	860	
WDN9	5	650	15.2	38 1/4	30 1/2	72 3/4	12	5 7/8	13 1/4	26 1/4	890	
WDS9	5	550	17.5	40 1/8	32 1/2	82 1/2	16 1/4	8 3/4	15 1/8	29 1/2	990	1-1/4"
WDT9	5	500	21.2	40 1/8	32 1/2	82 1/2	16 1/4	8 3/4	15 1/8	29 1/2	1010	
WDT10	7 1/2	650	29.7	40 1/8	32 1/2	82 1/2	16 1/4	8 3/4	15 1/8	29 1/2	1020	
WDW11	10	560	37.6	41	33 1/2	87 1/2	13 5/8	10 1/4	16	30 1/4	1430	
WDZ12	15	650	67.4	42 3/4	42	94	25 1/4	5 1/2	22 1/2	45	2640	2"
WDZ13	20	795	82.2	42 3/4	42	94	25 1/4	5 1/2		45	2750	
WDZ14	25	940	92.7	42 3/4	42	94	25 1/4	5 1/2		45	2950	

*Includes alternator panel. For dimensions without panel, refer to Simplex Specification.



CCC-2A-0597 03/00

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Sales representatives in principal cities

Specifications for DUPLEX TANK MOUNTED Compressors

MODEL	MOTOR H.P. (2)	RPM	CFM AT 80 PSI	TANK SIZE		DIMENSIONS										EST. WT. LBS.	DIS- CHARGE NPT
				INCHES	GALS	A	B	C	D	E	F	G	H*	J			
3DA2	1/3	460	1.7	16x38	30	44	23	49 1/2	14	16	11	3/16	24 5/8	11	220	3/8"	
3DA3	1/2	530	2.1	16x38	30	44	23	49 1/2	14	16	11	3/16	24 5/8	11	255		
6DA3	1/2	530	2.1	20x48	60	48 1/4	8	51 1/2	18 1/2	20 1/2	13 1/2	3/16	24 3/4	12 7/8	350		
8DA3	1/2	530	2.1	20x63	80	48 1/4	40	66 1/2	18 1/2	20 1/2	15	1/4	24 3/4	12 7/8	415		
3DF4	3/4	460	3.2	16x38	30	41 1/4	23	56	14	16	11	3/16	22 3/8	11	285	1/2"	
6DF4	3/4	460	3.2	20x48	60	45 1/2	28	56	18 1/2	20 1/2	13 1/2	3/16	22 1/2	12 7/8	390		
8DF4	3/4	460	3.2	20x63	80	45 1/2	40	66 1/2	18 1/2	20 1/2	15	1/4	22 1/2	12 7/8	460		
6DG5	1	490	4.1	20x48	60	45 1/2	28	60 1/4	18 1/2	20 1/2	13 1/2	3/16	22 1/2	12 7/8	470		
8DG5	1	490	4.1	20x63	80	45 1/2	40	66 1/2	18 1/2	20 1/2	15	1/4	22 1/2	12 7/8	530		
6DH6	1 1/2	580	6.0	20x48	60	45 1/2	28	60 1/4	18 1/2	20 1/2	13 1/2	3/16	22 1/2	12 7/8	465		
8DH6	1 1/2	580	6.0	20x63	80	45 1/2	40	66 1/2	18 1/2	20 1/2	15	1/4	22 1/2	12 7/8	535		
6DJ7	2	490	7.5	20x48	60	45 1/2	28	69 1/2	18 1/2	20 1/2	13 1/2	3/16	23 1/4	12 7/8	490		
8DJ7	2	490	7.5	20x63	80	45 1/2	40	69 1/2	18 1/2	20 1/2	15	1/4	23 1/4	12 7/8	615		
8DN8	3	495	11.3	20x63	80	45 1/2	40	72 3/4	18 1/2	20 1/2	15	1/4	24	12 7/8	725		
12DN8	3	495	11.3	24x68	120	50 1/2	40	72 3/4	18 1/4	20 1/2	17 1/2	3/8	25 1/4	16	940		
12DN9	5	650	15.2	24x68	120	50 1/2	40	72 3/4	18 1/4	20 1/2	17 1/2	3/8	25 1/4	16	970		
20DN9	5	650	15.2	30x72	200	56 1/2	40	78	28	30 1/2	20	3/8	27 1/2	19	1215		
12DS9	5	550	17.5	24x68	120	51 1/4	40	82 1/2	18 1/2	20 1/2	18	3/8	30	16	1185		
20DS9	5	550	17.5	30x72	200	58	40	82 1/2	28	30 1/2	20	3/8	30 1/4	19	1400		
12DT9	5	500	21.2	24x68	120	51 1/4	40	82 1/2	18 1/4	20 1/2	18	3/8	29 1/2	16	1205		
20DT9	5	500	21.2	30x72	200	58	40	82 1/2	28	30 1/2	20	3/8	30	19	1450		
20DT10	7 1/2	680	29.7	30x72	200	58	40	82 1/2	28	30 1/2	20	3/8	30	19	1475		
24DT10	7 1/2	680	29.7	30x84	240	58	45	94 1/2	28	30 1/2	23 1/2	1/2	30	19	1566		
20DW11	10	560	37.6	30x72	200	64	40	87 1/2	28	30 1/2	20	3/8	30 1/4	19	1755		
24DW11	10	560	37.6	30x84	240	64	45	94 1/2	28	30 1/2	23 1/2	1/2	30 1/4	19	1846		
24DZ12	15	650	67.4	30x84	240	74 1/4	54	94	40	42 1/2	19 1/2	1/2	44	19	2900		
24DZ13	20	795	82.2	30x84	240	74 1/4	54	94	40	42 1/2	19 1/2	1/2	44	19	2990		
24DZ14	25	935	92.7	30x84	240	74 1/4	54	94	40	42 1/2	19 1/2	1/2	44	19	3750		

*Includes alternator panel. For dimensions without panel, refer to Simplex Specification.

Specifications for DUPLEX DRYER MOUNTED Compressors

MODEL	MOTOR H.P. (2)	RPM	CFM AT 80 PSI	TANK SIZE		DIMENSIONS										EST. WT. LBS.	DIS- CHARGE
				INCHES	GALS	A	B	C	D	E	F	G	H*	J			
3DA2-D	1/3	460	1.7	16x38	30	57 1/2	23	51 1/2	14	16	11	3/16	24 5/8	10 1/2	270	3/8" O.D. (TUBE SIZE)	
6DA2-D	1/3	460	1.7	20x48	60	58 1/4	28	51 1/2	18 1/2	20 1/2	13 1/2	3/16	24 3/4	12 7/8	275		
6DA3-D	1/2	530	2.1	20x48	60	58 1/4	28	51 1/2	18 1/2	20 1/2	13 1/2	3/16	24 3/4	12 7/8	405		
8DA3-D	1/2	530	2.1	20x63	80	58 1/4	40	66 1/2	18 1/2	20 1/2	15	1/4	24 3/4	12 7/8	470		
6DF4-D	3/4	460	3.2	20x48	60	55 1/2	28	56	18 1/2	20 1/2	13 1/2	3/16	22 1/2	12 7/8	445		
8DF4-D	3/4	460	3.2	20x63	80	55 1/2	40	66 1/2	18 1/2	20 1/2	15	1/4	22 1/2	12 7/8	515		
6DG5-D	1	490	4.1	20x48	60	55 1/2	28	60 1/4	18 1/2	20 1/2	13 1/2	3/16	22 1/2	12 7/8	525		
8DG5-D	1	490	4.1	20x63	80	55 1/2	40	66 1/2	18 1/2	20 1/2	15	1/4	22 1/2	12 7/8	585		
6DH6-D	1 1/2	580	6.0	20x48	60	55 1/2	28	60 1/4	18 1/2	20 1/2	13 1/2	3/16	22 1/2	12 7/8	520		
8DH6-D	1 1/2	580	6.0	20x63	80	55 1/2	40	66 1/2	18 1/2	20 1/2	15	1/4	22 1/2	12 7/8	590		
6DJ7-D	2	490	7.5	20x48	60	55 1/2	28	69 1/2	18 1/2	20 1/2	13 1/2	3/16	23 1/4	12 7/8	545		
8DJ7-D	2	490	7.5	20x63	80	55 1/2	40	69 1/2	18 1/2	20 1/2	15	1/4	23 1/4	12 7/8	635		
8DN8-D	3	495	11.3	20x63	80	55 1/2	40	72 3/4	18 1/2	20 1/2	15	1/4	24	12 7/8	780		
12DN8-D	3	495	11.3	24x68	120	60 1/2	40	72 3/4	18 1/4	20 1/2	17 1/2	3/8	25 1/4	16	995		
12DN9-D	5	650	15.2	24x68	120	60 1/2	40	72 3/4	18 1/4	20 1/2	17 1/2	3/8	25 1/4	16	1025		
20DN9-D	5	650	15.4	30x72	200	66 1/2	40	78	28	30 1/2	20	3/8	27 1/2	19	1270		
12DS9-D	5	550	17.5	24x68	120	61 1/4	40	82 1/2	18 1/4	20 1/2	18	3/8	30	16	1240		
20DS9-D	5	550	17.5	30x72	200	68	40	82 1/2	28	30 1/2	20	3/8	30 1/4	19	1455		
12DT9-D	5	500	21.2	24x68	120	61 1/4	40	82 1/2	18 1/4	20 1/2	18	3/8	29 1/2	16	1260		
20DT9-D	5	500	21.2	30x72	200	68	40	82 1/2	28	30 1/2	20	3/8	30	19	1505		

*Includes alternator panel. For dimensions without panel, refer to Simplex Specification.

SPECIFICATION FOR SIMPLEX TANK MOUNTED COMPRESSORS

MODEL	MOTOR H.P.	RPM	CFM AT 80 PSI	TANK SIZE		DIMENSIONS										EST. WT. LBS.	DIS- CHARGE NPT
				INCHES	GALS	A	B	C	D	E	F	G	H	J			
2SA2	1/3	460	1.7	14x33	20	30 1/4	18	36 1/2	14	16	11	3/16	14	10	140	3/8"	
3SA2	1/3	460	1.7	16x38	30	32 1/4	23	41 1/2	14	16	11	3/16	16	11	160		
2SA3	1/2	530	2.1	14x33	20	30 1/4	18	36 1/2	14	16	11	3/16	14	10	145		
3SA3	1/2	530	2.1	16x38	30	32 1/4	23	41 1/2	14	16	11	3/16	16	11	165		
6SA3	1/2	530	2.1	20x48	60	36 3/8	28	51 1/2	18 1/2	20 1/2	13 1/2	3/16	20	12 7/8	265		
3SF4	3/4	460	3.2	16x38	30	33 3/4	23	41 1/2	14	16	11	3/16	18 3/16	11	175		
6SF4	3/4	460	3.2	20x48	60	38	28	51 1/2	18 1/2	20 1/2	13 1/2	3/16	20	12 7/8	265	1/2"	
3SG5	1	490	4.1	16x38	30	35 3/8	23	41 1/2	14	16	11	3/16	19	11	220		
6SG5	1	490	4.1	20x48	60	39 5/8	28	51 1/2	18 1/2	20 1/2	13 1/2	3/16	20	12 7/8	305		
3SH6	1 1/2	580	6.0	16x38	30	35 3/8	23	41 1/2	14	16	11	3/16	19	11	220		
6SH6	1 1/2	580	6.0	20x48	60	39 5/8	28	51 1/2	18 1/2	20 1/2	13 1/2	3/16	20	12 7/8	310		
8SH6	1 1/2	580	6.0	20x63	80	39 5/8	40	66 1/2	18 1/2	20 1/2	15	1/4	20	12 7/8	390		
6SJ7	2	490	7.5	20x48	60	40 7/8	28	51 1/2	18 1/2	20 1/2	13 1/2	3/16	20	12 7/8	350	1/2"	
8SJ7	2	490	7.5	20x63	80	40 7/8	40	66 1/2	18 1/2	20 1/2	15	1/4	20	12 7/8	410		
6SN8	3	495	11.3	20x48	60	43 3/8	28	51 1/2	18 1/2	20 1/2	13 1/2	3/16	20 3/4	12 7/8	415		
8SN8	3	495	11.3	20x63	80	43 3/8	40	66 1/2	18 1/2	20 1/2	15	1/4	20 3/4	12 7/8	480		
12SN8	3	495	11.3	24x68	120	48 7/8	40	71 1/2	18 1/4	20 1/2	17 1/2	3/8	24	16	675		
8SN9	5	650	15.2	20x63	80	43 3/8	40	66 1/2	18 1/2	20 1/2	15	1/4	20 3/4	12 7/8	475		
12SN9	5	650	15.2	24x68	120	48 7/8	40	71 1/2	18 1/4	20 1/2	17 1/2	3/8	24	16	690	3/4"	
20SN9	5	650	15.2	30x72	200	56 1/2	40	75 1/2	28	30 1/2	20	3/8	27	19	845		
8SS9	5	550	17.5	20x63	80	45 3/8	40	67	18 1/2	20 1/2	15 1/2	1/4	24 3/8	12 7/8	630		
12SS9	5	550	17.5	24x68	120	51 1/4	40	72	18 1/4	20 1/2	18	3/8	24 3/8	16	800		
20SS9	5	550	17.5	30x72	200	58	40	76	28	30 1/2	20	3/8	30	19	955		
8ST9	5	500	21.2	20x63	80	45 3/8	40	67	18 1/2	20 1/2	15 1/2	1/4	24 3/8	12 7/8	630		
12ST9	5	500	21.2	24x68	120	51 1/4	40	72	18 1/4	20 1/2	18	3/8	24 3/8	16	800	3/4"	
20ST9	5	500	21.2	30x72	200	58	40	76	28	30 1/2	20	3/8	30	19	955		
8ST10	7 1/2	680	29.7	20x63	80	45 3/8	40	67	18 1/2	20 1/2	15 1/2	1/4	24 3/8	12 7/8	655		
12ST10	7 1/2	680	29.7	24x68	120	51 1/4	40	72	18 1/4	20 1/2	18	3/8	24 3/8	16	850		
20ST10	7 1/2	680	29.7	30x72	200	58	40	76	28	30 1/2	20	3/8	30	19	1050		
24ST10	7 1/2	680	29.7	30x84	240	64	45	88	28	30 1/2	23 1/2	1/2	30	19	1141		
8SW11	10	560	37.6	20x63	80	45 3/8	40	73	18 1/2	20 1/2	15 1/2	1/4	24 7/8	12 7/8	795	1"	
12SW11	10	560	37.6	24x68	120	57 1/4	40	72	18 1/4	20 1/2	18	3/8	24 3/4	16	1005		
20SW11	10	560	37.6	30x72	200	64	40	76	28	30 1/2	20	3/8	30	19	1205		
24SW11	10	560	37.6	30x84	240	58	45	88	28	30 1/2	23 1/2	1/2	30	19	1296		
20SZ12	15	650	67.4	30x72	200	74 1/4	42	76 1/2	40	42 1/2	19 1/2	1/2	43 1/4	19	1750		
20SZ13	20	795	82.2	30x72	200	74 1/4	42	76 1/2	40	42 1/2	19 1/2	1/2	43 1/4	19	1800		
20SZ14	25	940	92.7	30x72	200	74 1/4	42	76 1/2	40	42 1/2	19 1/2	1/2	43 1/4	19	2050		

Specifications for SIMPLEX DRYER MOUNTED Compressors

MODEL	MOTOR H.P.	RPM	CFM AT 80 PSI	TANK SIZE		DIMENSIONS										EST. WT. LBS.	DIS- CHARGE
				INCHES	GALS	A	B	C	D	E	F	G	H	J			
3SA2-D	⅓	460	1.7	16x38	30	32¼	23	49½	14	16	11	⅜ ₁₆	16	11	215	3/8" O.D. (TUBE SIZE)	
3SA3-D	½	530	2.1	16x38	30	32¼	23	49½	14	16	11	⅜ ₁₆	16	11	220		
3SF4-D	¾	460	3.2	16x38	30	33¾	23	56	14	16	11	⅜ ₁₆	18⅜ ₈	11	230		
6SG5-D	1	490	4.1	20x48	60	39⅝ ₈	28	60¼	18½	20½	13½	⅜ ₁₆	20	12⅞ ₈	275		
6SH6-D	1½	580	6.0	20x48	60	39⅝ ₈	28	60¼	18½	20½	13½	⅜ ₁₆	20	12⅞ ₈	300		
6SJ7-D	2	490	7.5	20x48	60	40⅞ ₈	28	69½	18½	20½	13½	⅜ ₁₆	20	12⅞ ₈	405		
8SJ7-D	2	490	7.5	20x63	80	40⅞ ₈	40	69½	18½	20½	15	¼	20	12⅞ ₈	465		
8SN8-D	3	495	11.3	20x63	80	43⅜ ₈	40	72¾	18½	20½	15	¼	20¾	12⅞ ₈	535		
8SN9-D	5	650	15.2	20x63	80	43⅜ ₈	40	72¾	18½	20½	15	¼	20¾	12⅞ ₈	550		
12SN9-D	5	650	15.2	24x68	120	48⅞ ₈	40	77¾	18¼	20½	17½	⅜ ₈	24	16	745		
12SS9-D	5	550	17.5	24x68	120	51¼	40	82½	18¼	20½	18	⅜ ₈	24⅜ ₈	16	855		
12ST9-D	5	500	21.2	24x88	120	51¼	40	82½	18¼	20½	18	⅜ ₈	24⅜ ₈	16	855		

CURTIS
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