



PARAGON[™]
TWIN SCREW COMPRESSORS

THE MOST ADVANCED
COMPRESSOR TECHNOLOGY AVAILABLE

PARAGON TWIN SCREW COMPRESSORS

Physical Data

Air Cooled—R134A

Note: Normal operating speed is 3,500 RPM.
Nominal capacity using ARI Standard 540 (45°F SST, 130°F SDT, 65° return gas, economized to SIT 10°F)

Models	Displacement (CFM at 60Hz)	Nominal Horsepower	Nominal Capacity (Tons)
06TSA137	137	60	44
06TSA155	155	75	50
06TSA186	186	75	59
06TTA266	266	120	86
06TTA301	301	150	101
06TTA356	356	150	120
06TUA483	483	225	165
06TUA554	554	225	185
06TVA680	680	340	228
06TVA753	753	340	252
06TVA819	819	340	275

Water Cooled—R134A

Note: Normal operating speed is 3,500 RPM.
Nominal capacity using ARI Standard 540 (40°F SST, 100°F SST, 65° return gas, economized to SIT 10°F)

Models	Displacement (CFM at 60Hz)	Nominal Horsepower	Nominal Capacity (Tons)
06TTW266	266	90	95
06TTW301	301	90	108
06TTW356	356	120	129
06TUW483	483	160	172
06TUW554	554	160	195
06TVW680	680	225	244
06TVW753	753	225	269
06TVW819	819	225	292

Refrigeration—R404A

Note: Normal operating speed is 3,500 RPM.
Nominal capacity using ARI Standard 540 (-25°F SST, 110°F SDT, 65° return gas, economized to SIT 10°F)

Models	Displacement (CFM at 60Hz)	Nominal Horsepower	Nominal Capacity (Tons)
06TSR137	137	60	19
06TSR155	155	75	21
06TSR186	186	75	25
06TTR266	266	120	39
06TTR301	301	150	46
06TTR356	356	150	54



Electrical Data (continued)

Water Cooled – R134A

Note 1: Contact Carlyle Application Engineering for proper motor protection device

Compressor Base Models	Motor Size (HP @ 60 Hz)	Motor Voltage (Volts-PH-Freq)	RLA	LRA		Model Number 1st-10th Digit	
				WYE	DELTA		
06TTW266	90	460-3-60	124	229	715	06TTW266SM	
		400-3-50	120	233	726		
		230-3-60	249	458	1430		06TTW266XM
		200-3-60	274	527	1645		06TTW266ZM
06TTW301	90	460-3-60	139	229	715	06TTW301SM	
		400-3-50	134	233	726		
		230-3-60	278	458	1430		06TTW301XM
		200-3-60	306	527	1645		06TTW301ZM
06TTW356	120	460-3-60	161	298	930	06TTW356SP	
		400-3-50	155	303	945		
		230-3-60	322	596	1860		06TTW356XP
		200-3-60	354	685	2139		06TTW356ZP
06TUW483	160	460-3-60	199	408	1270	06TUW483ST	
		400-3-50	186	414	1290		
		230-3-60	397	816	2540		06TUW483XT
		200-3-60	457	938	2921		06TUW483ZT
06TUW554	160	460-3-60	223	408	1270	06TUW554ST	
		400-3-50	209	414	1290		
		230-3-60	447	816	2540		06TUW554XT
		200-3-60	514	938	2921		06TUW554ZT
06TVW680	225	460-3-60	280	578	1800	06TVW680SW	
		400-3-50	261	587	1828		
		230-3-60	559	1156	3600		06TVX680XW
		200-3-60	643	1329	4140		06TVW680ZW
06TVW753	225	460-3-60	310	578	1800	06TVW753SW	
		400-3-50	289	587	1828		
		230-3-60	619	1156	3600		06TVX753XW
		200-3-60	712	1329	4140		06TVW753ZW
06TVW819	225	460-3-60	330	578	1800	06TVW819SW	
		400-3-50	308	587	1828		
		230-3-60	660	1156	3600		06TVX819XW
		200-3-60	759	1329	4140		06TVW819ZW



Performance Data (continued)

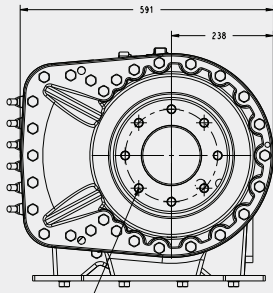
Water Cooled – Non-Economized

20° F Superheat, 15° sub-cooling

Compressor Model	Condensing Temperature SDT (°F)	Q (Btu/hr)* P (kW)	Evaporation Temperature (°F)				
			45°	35°	25°	15°	5°
06TTW266	85°	Q	1,309,342	1,058,859	845,051	666,589	522,020
		P	51.6	51.1	50.6	49.9	49.1
	100°	Q	1,207,547	973,436	744,064	608,088	474,046
		P	62.5	62.1	61.5	60.8	60.0
	115°	Q	1,098,976	881,573	696,931	543,692	420,386
		P	74.3	73.8	73.2	72.5	71.6
06TTW301	85°	Q	1,469,054	1,188,005	947,905	747,271	584,488
		P	57.7	56.1	54.9	53.9	53.4
	100°	Q	1,356,700	1,093,813	869,721	682,929	531,809
		P	69.6	68.0	66.6	65.6	65.0
	115°	Q	1,236,859	992,528	784,791	612,139	472,934
		P	82.2	80.5	79.1	78.0	77.3
06TTW356	85°	Q	1,725,067	1,395,056	1,112,828	876,662	684,679
		P	66.6	64.7	63.1	61.9	61.1
	100°	Q	1,595,006	1,285,891	1,022,065	801,792	623,181
		P	80.0	77.9	76.3	75.0	74.1
	115°	Q	1,456,047	1,168,343	923,381	719,406	554,517
		P	94.1	91.9	90.2	88.8	87.9
06TUW483	85°	Q	2,363,572	1,911,862	1,525,391	1,201,813	938,564
		P	85.1	85.7	86.5	87.4	88.6
	100°	Q	2,181,304	1,758,588	1,397,699	1,096,267	851,714
		P	107.5	108.0	108.8	109.7	110.8
	115°	Q	1,986,186	1,593,152	1,258,456	979,709	754,312
		P	131.9	132.3	133.0	133.9	134.9
06TUW554	85°	Q	2,681,297	2,169,374	1,731,599	1,365,300	1,067,560
		P	96.2	96.2	96.5	97.2	98.1
	100°	Q	2,476,682	1,997,884	1,589,338	1,248,347	971,976
		P	121.3	121.3	121.6	122.1	123.0
	115°	Q	2,258,704	1,813,733	1,435,032	1,119,879	865,319
		P	146.7	148.6	148.8	149.4	150.2
06TVW680	85°	Q	3,319,938	2,685,322	2,141,848	1,686,249	1,314,957
		P	119.9	120.3	121.1	122.2	123.6
	100°	Q	3,057,539	2,463,190	1,955,249	1,530,420	1,185,111
		P	151.8	152.2	152.9	154.0	155.4
	115°	Q	2,775,071	2,222,100	1,750,702	1,357,548	1,039,024
		P	186.6	186.9	187.6	188.7	190.1
06TVW753	85°	Q	3,642,894	2,946,398	2,350,585	1,851,832	1,446,182
		P	130.5	130.7	131.6	133.0	135.1
	100°	Q	3,355,453	2,703,818	2,147,601	1,683,143	1,306,462
		P	164.6	164.9	165.8	167.3	169.3
	115°	Q	3,047,099	2,441,424	1,925,785	1,496,491	1,149,530
		P	204.0	204.3	205.2	206.7	208.8
06TVW819	85°	Q	3,943,922	3,187,342	2,539,408	1,996,228	1,553,547
		P	139.0	139.2	140.1	141.4	143.4
	100°	Q	3,636,929	2,928,636	2,323,330	1,817,083	1,405,615
		P	176.4	176.4	177.0	178.1	179.9
	115°	Q	3,306,444	2,647,687	2,086,138	1,617,829	1,238,452
		P	217.7	217.4	217.8	218.7	220.1

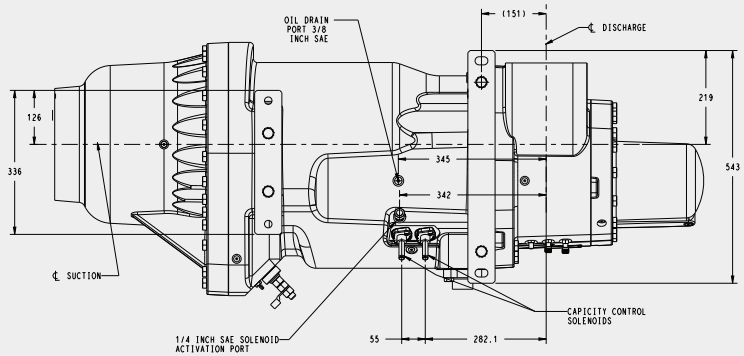
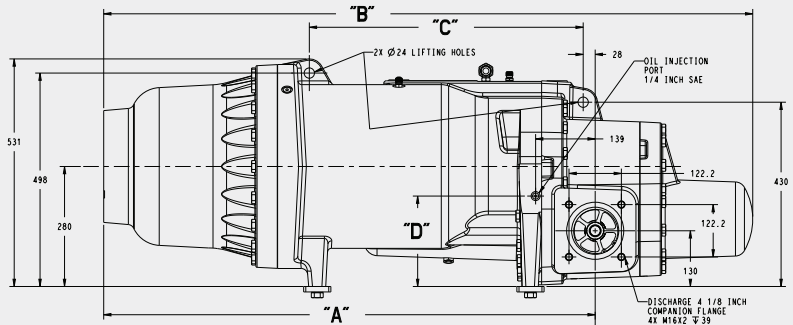


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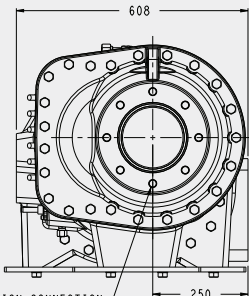


SUCTION 5 INCH COMPANION FLANGE 8X M20X2.5 ∇ 40 EQUALLY SPACED ON A \varnothing 215.9 B.C.

MODEL NUMBER	"A"	"B"	"C"	"D"
06TU*483---D	1099	1466	591	199
06TU*554---D	1147	1514	639	211

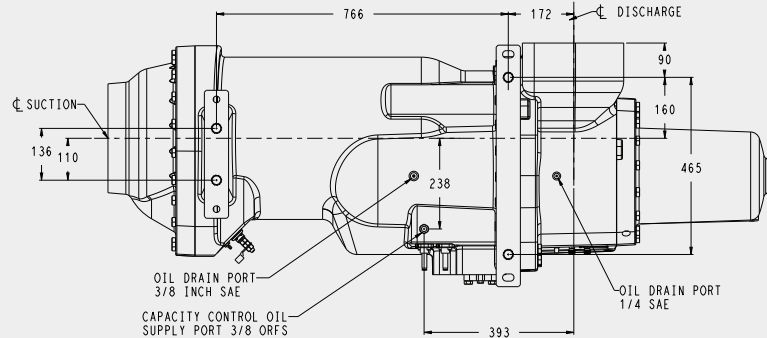
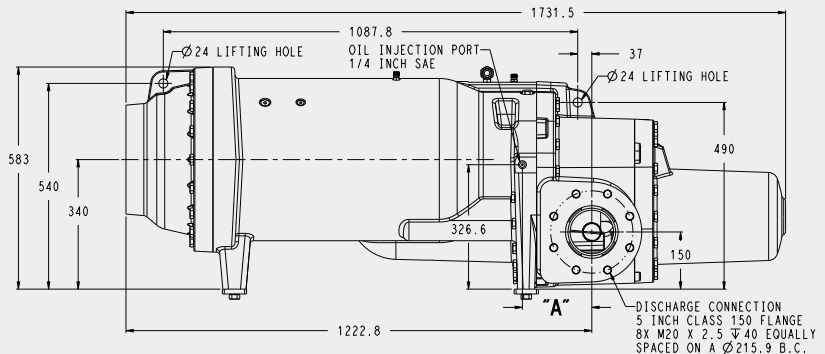


TV



SUCTION CONNECTION 6 INCH CLASS 150 FLANGE 8X M20 X 2.5 ∇ 40 EQUALLY SPACED ON A \varnothing 241.3 B.C.

MODEL NUMBER	"A"
06TV*680---D	163.2
06TV*753---D	169.6
06TV*819---D	182.2



History of Carlyle Compressor



Dr. Willis H. Carrier



J. Irvine Lyle

The roots of Carlyle Compressor run deep into the beginnings of the refrigeration and air conditioning industries. Originally formed by Dr. Willis H. Carrier and J. Irvine Lyle, to be the “compressor arm” of Carrier Engineering Company, its inventions and achievements in technology are reflected in most of the products and services now taken for granted by modern society. The name “Carlyle” was derived from a combination of the last names of Dr. Carrier and his partner, Mr. Lyle. Foresight and strategic planning have been Carlyle’s benchmarks of the last 90 years, always a gracious acknowledgment of its proud past.

The company’s engineering contributions have impacted all of the known compressor designs, including centrifugal, reciprocating (open drive, sem-hermetic, and hermetic), and screw technologies. Since Dr. Carrier invented the centrifugal refrigerating machine in 1921, the centrifugal compressor has been the focus on continual product enhancements to maintain its leadership position. The company’s major innovations and refinements are well documented and have resulted in the industry’s most advanced product offerings.

Paragon Twin Screw Compressors

Proven More Durable in Real-World Applications

- Statistically proven more reliable than the competition
- Widest operating range
- Less downtime
- Dependable parts availability and delivery

Coast-to-Coast Distribution Network

- Widest breadth of line in the industry
- 24 x 7 x 365 service and availability
- Superior technical support
- World class training resources
- Competitive pricing
- Around-the-clock emergency compressor delivery and guaranteed core pickup
- Immediate shipments available for OEM customers
- No need to wait for production lead times