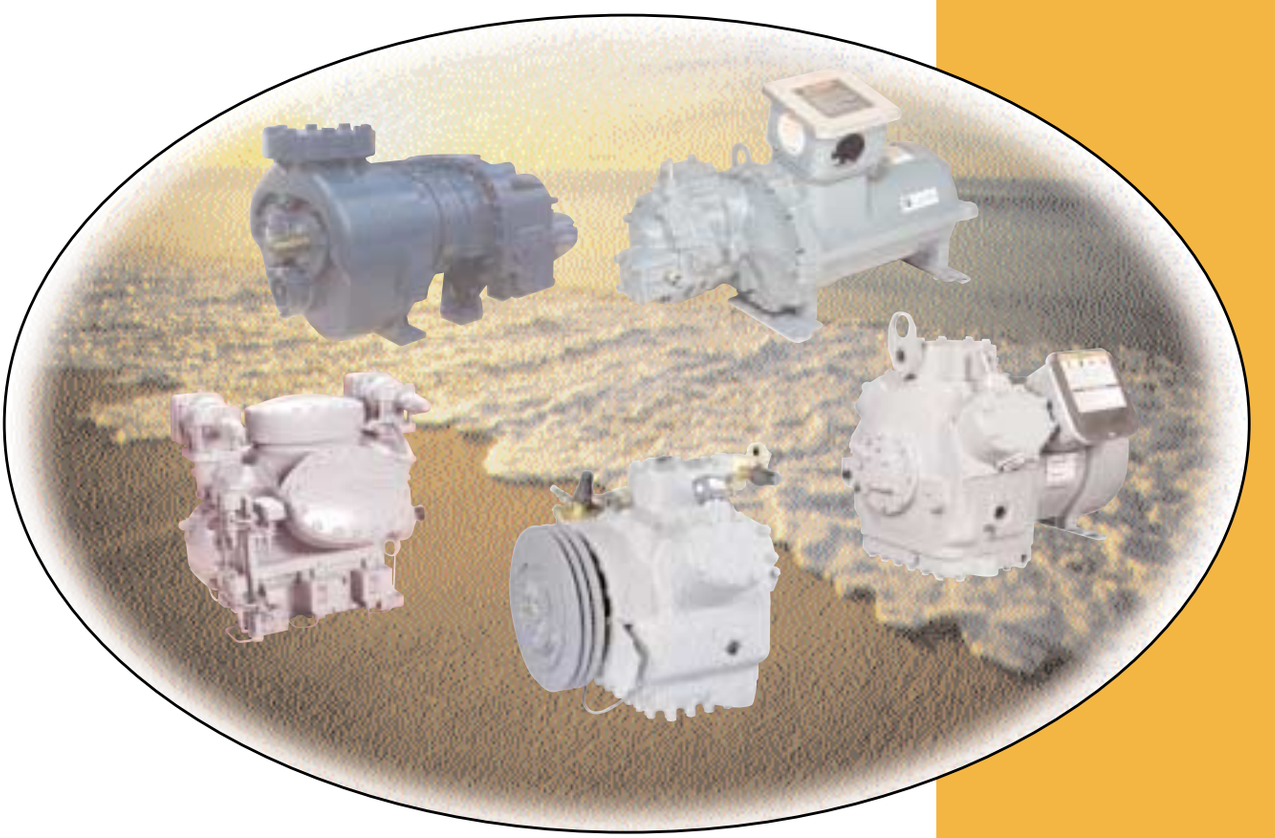
Carrier
Transicold

MARINE COMPRESSORS



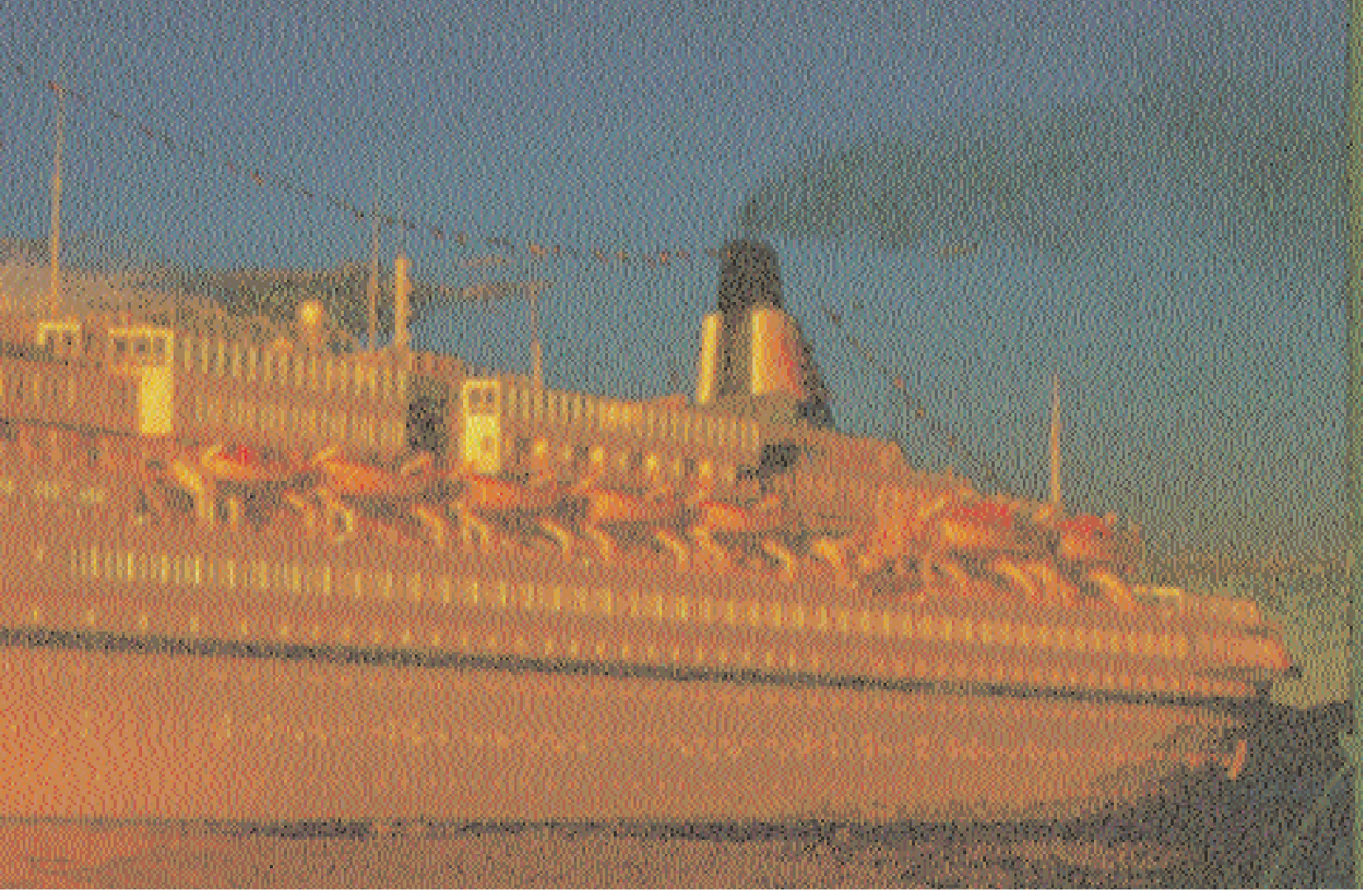
The FULL LINE
of *marinized*
models for
RUGGED
SEA duty.

CARRIER presents Marine *compression* TECHNOLOGY that's OCEANS *apart*.

No other manufacturer of compressors for marine air conditioning and refrigeration has the experience or product breadth offered by Carrier Corporation, backed by advanced R&D, engineering, and the technology-driven leadership of United Technologies.

Carrier's advanced compressors and packaged systems are hard at work in virtually every marine air conditioning and refrigeration application. Our Twin-Screw and the Howden Screw compressors are the latest additions to Carrier's full line. Both are revolutionary concepts in compressor technology. And, like our reciprocating models, both are evolutionary in design.

The Twin-Screw design packs all the performance of standard reciprocating compressors into a fraction of the space – and with 855 fewer moving parts. That means greater reliability, less vibration, and less noise. It provides exceptional seasonal energy efficiency. And it's compatible with R-22, R-134a, R-404A, and other HFC refrigerants. Simply put, the Twin-Screw compressor isn't just the most high-tech, high-performance compressor available today. It's the future of compressor technology.

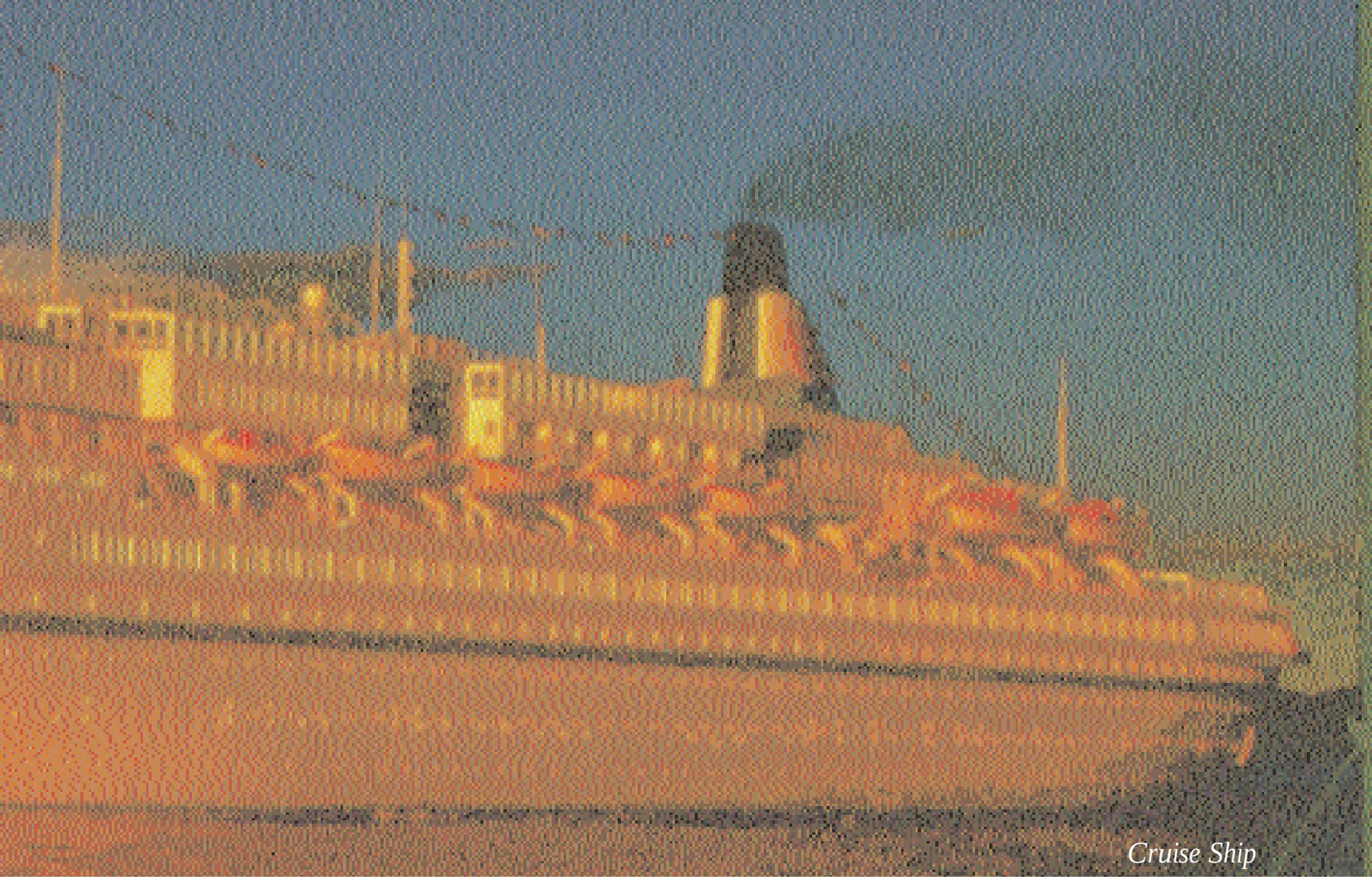


The Howden WRV/XRV Screw is a product of over 50 years of manufacturing compressors for a wide range of applications. Resulting in optimum operating cost efficiency and reliability. Most Howden Screw compressors achieve system lubrication without an oil pump. Reduced size and weight mean a more compact footprint, simplifying installation. And like the Twin-Screw design, they're compatible with all existing refrigerants – and planned alternatives.

Likewise, Carrier's 5 Line reciprocating compressors are recognized as the marine-industry standard for superior performance and exceptional reliability. Every 5 Line model features time-proven, heavy-duty construction for extended life, and uncommonly smooth, balanced operation for the highest reliability in the transport air conditioning and refrigeration industry.

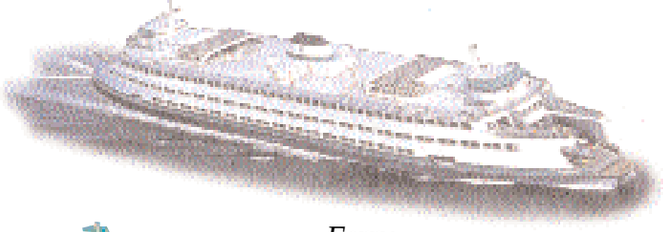
For more than three decades, our respected 06D and 06E semi-hermetic, single-stage compressors have enjoyed an industry-wide record for efficiency and dependability. Today, after years of tough, reliable service, they're still the best in the business.

Along with building the best compressors in the business, Carrier has developed a simple step-by-step specifying procedure. By working closely with Carrier, you can be sure your compressor, compressor-motor-control unit, or condensing unit package will meet the exact requirements and operating conditions of your application. Once you've determined your Carrier equipment specification, your system can be factory-assembled or you can order components separately and assemble them on-site.

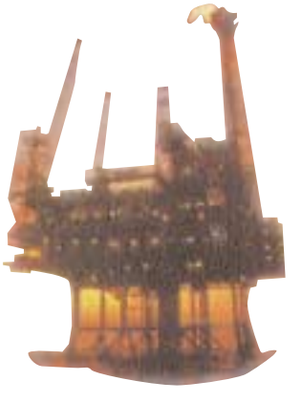


Cruise Ship

PROVEN MARINE systems for *EVERY* application. INCLUDING *YOURS*.

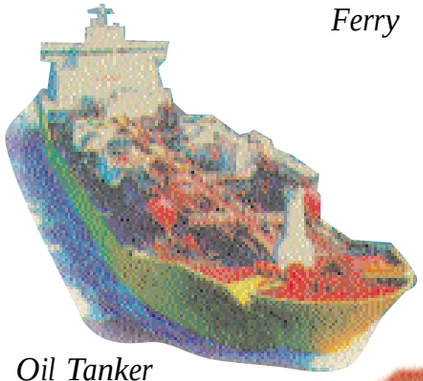


Ferry

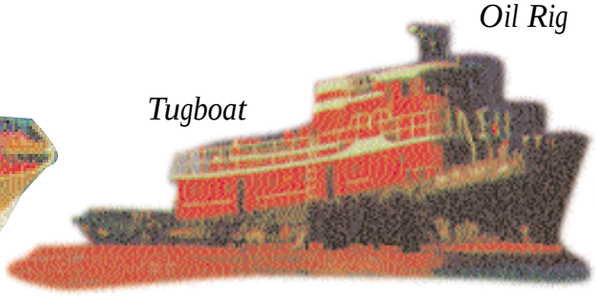


Oil Rig

Container Ship



Oil Tanker



Tugboat

Fishing Boat

SPECIFY the system YOU need and WE'LL build it. Or YOU *can* build it.

05T/06T Open-Drive/Semi-Hermetic Twin-Screw Compressor

- No suction or discharge valves provide smooth, quiet, vibration-free operation.
- Low-clearance screw design for lower oil-circulation rates.
- Ideal for variable-speed applications.
- Precision long-life bearings.
- Capacity control.
- Economizer-cooled motor provides high-efficiency operation.

- Uses O-ring seals.
- End-users and rack manufacturers determine refrigerant/oil combination.
- Internal discharge-check valve.
- No oil pump.
- Two-step Vi for low-temperature models to maximize efficiency over a wide operating range of head pressures.

Howden WRV/XRV Screw Compressor

- Ease of installation makes the WRV/XRV ideal for horizontal separator applications.
- Use of roller bearings eliminates the need for oil pumps on over 90% of installations.
- Available with adjustable or fully automatic variable volume-control systems.
- Stepless capacity control combined with variable volume control delivers maximum energy savings.

- Separate end covers provide easy access to rolling elements, simplifying service.
- For most applications, the compressor uses direct liquid-refrigerant injection, eliminating the need for an oil cooler.
- Compatible with all existing refrigerants and planned alternatives.

5F/5H Open-Drive Reciprocating Compressor

- Automatic unloaded starting, expensive high-torque motors are unnecessary, reducing initial expense.
- High-efficiency motor can further increase efficiency of 5F and 5H compressors.
- Crankcase casting, cylinder head, and valve plate designs allow for a smooth, unrestricted refrigerant flow.
- Refined, two-piece shaft seal assembly virtually eliminates seal leakage for maximum reliability over a wide temperature range.
- Efficient crankcase heater design prevents accumulation of liquid refrigerant in the crankcase during shutdown, dilution of the compressor oil supply.

- As suction pressure changes, capacity control automatically reduces compressor capacity to as low as 35% of full-design load, reducing horsepower requirements as demand changes. Part-load operation increases energy efficiency, reducing utility bills.
- Large-capacity, manually reversible oil pump, automatic pressure regulator, and oil-filtering system provide positive pressure lubrication, extending life.
- Suction gases flow around cylinder sleeve to keep the cylinder cool, reducing cylinder wear.
- Greater operating efficiencies by running an oversized compressor at a reduced RPM.

05K/05G Open-Drive Reciprocating Compressor

- Superior efficiency significantly reduces horsepower drain, reduces maintenance, extends life, saves fuel.
- Exclusive balanced cylinder design minimizes torque pulsations for smoother operation, less wear.
- Extended maintenance, lower operating speeds, lower vibrations, and less wear mean less maintenance and lower operating costs.
- Larger capacity self-priming, reversible oil pump provides dependable oil flow under cold or flooded startup conditions and ample pressure at low rpm.

- Higher capacity, efficiency at speeds at least 30% lower.
- Housing-mounted clutch and larger clutch bearing provide longer life.
- Low oil-circulation rate of less than 1% for greater operating efficiency.
- Exclusive compressor unloading saves fuel, increases efficiency, eliminates coil freezing, for uniform temperature distribution.
- Industry-leading parts-and-labor warranty.

06D/06E Semi-Hermetic Reciprocating Compressor

- High-flow, automatically reversible oil pump provides positive-displacement oil lubrication.
- Crankcase venting system equalizes pressure during startup and assures oil return to sump.
- Oversize sump holds extra oil in crankcase to prevent levels dropping below safe lubrication range during flooded starts.

- Contoured pistons lower cylinder clearances to increase compressor capacity and efficiency.
- High-efficiency valves provide increased refrigerant flow and lower pressure drops.
- Electronic oil-pressure switch.

Carrier
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05T/06T TWIN-SCREW COMPRESSOR

Compressor	05T					06T							
Size	-33	-39	-44	-48	-54	-33	-39	-44	-48	-54	-65	-78	-88
Compressor Type	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw
Drive Type	Open	Open	Open	Open	Open	Semi-H	Semi-H	Semi-H	Semi-H	Semi-H	Semi-H	Semi-H	Semi-H
Displacement (CFM @ 1,750 RPM)	33/65*	39/78*	44/88*	48	54	33.0	39.0	44.0	48.0	54.0	65.0*	78.0*	88.0*
Capacity (Tons):													
Low Temp.	3.18/7.29	4.02/8.71	4.64/9.64	5.11	5.92	3.20	4.00	4.58	5.12	5.88	7.32	8.70	9.64
Medium Temp.	8.26/18.49	10.26/22.36	11.74/25.19	12.91	14.94	8.11	10.01	11.37	12.69	14.56	18.35	22.11	24.98
High Temp.	12.81/28.40	15.87/34.14	18.14/38.60	19.90	23.03	12.44	15.24	17.26	19.38	22.04	28.09	33.63	38.10
Nominal HP:													
Low Temp.	12.0/26.0	14.6/32.6	16.6/37.7	18.1	20.9	13.9	17.3	19.7	21.3	24.5	29.4	36.5	42.8
Medium Temp.	16.9/35.2	20.4/42.7	23.0/48.4	25.0	28.6	19.7	24.3	27.5	29.5	34.2	40.6	49.1	55.5
High Temp.	20.5/42.2	24.6/50.7	27.7/57.5	30.1	34.5	24.1	29.5	33.8	36.2	42.4	49.9	60.5	67.5
Cylinders	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Capacity Control	100/40	100/41	100/42	100/44	100/45	100/40	100/41	100/42	100/44	100/45	100/50	100/55	100/60
Oil (Pts.)	System Dependent					System Dependent							
Bore (In.)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Stroke (In.)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Max RPM	1,750/3,500	1,750/3,500	1,750/3,500	1,750	1,750	1,750	1,750	1,750	1,750	1,750	3,500	3,500	3,500
Min RPM	1,750/3,500	1,750/3,500	1,750/3,500	1,750	1,750	1,750	1,750	1,750	1,750	1,750	3,500	3,500	3,500
Min RPM w/ Cap. Control	1,750/3,500	1,750/3,500	1,750/3,500	1,750	1,750	1,750	1,750	1,750	1,750	1,750	3,500	3,500	3,500
Dimensions (In.):													
Length/Depth	22	22	22	22	22	33	33	33	33	33	33	33	33
Width	15	15	15	15	15	15	15	15	15	15	15	15	15
Height	14	14	14	14	14	20	20	20	20	20	20	20	20
Connections (In.):													
ODF	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8
Discharge ODF	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8
Operating Weight (Lbs.)	200	200	200	200	200	365	380	380	390	390	400	405	405
Electrical Data (Amps):													
208/230-3-60 - Rated Load	NA	NA	NA	NA	NA	64.0	74.0	74.0	91.0	91.0	110.0	129.0	146.0
208/230-3-60 - Locked Rotor	NA	NA	NA	NA	NA	166/286**	202/348**	202/348**	251/433**	251/433**	216/611**	255/721**	292/825**
400/460-3-60 - Rated Load	NA	NA	NA	NA	NA	33.0	35.0	35.0	46.0	46.0	54.0	64.0	72.0
400/460-3-60 - Locked Rotor	NA	NA	NA	NA	NA	82/142**	100/173**	100/173**	125/215**	125/215**	97/274**	114/323**	131/370**

* CFM @ 3,500 RPM
** Part Winding/Across the Line Start - Low Temp.
ARI Standard 540-1999
Low Temp: SST=-25°F (-32°C), SCT=105°F (41°C), Return Gas=40°F (4°C), Ambient=95°F (35°C)
Medium Temp: SST=20°F (-7°C), SCT=120°F (49°C), Return Gas=40°F (4°C), Ambient=95°F (35°C)

Carrier
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HOWDEN XRV SCREW COMPRESSOR

Compressor	XRV								
Size	127-R1	127-R3	127-R4	163/1.65	163/1.93	204/1.10	204/1.45	204/1.65	204/1.93
Compressor Type	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw
Drive Type	Open	Open	Open	Open	Open	Open	Open	Open	Open
Displacement (CFM @ 3,600 RPM)	207	280	345	420	500	573	756	860	952
Capacity (Tons):									
Low Temp.	17.88	25.17	31.75	39.15	47.30	55.61	77.14	85.14	94.25
Medium Temp.	55.66	77.38	96.88	118.30	142.60	165.60	229.50	253.30	280.40
High Temp.	82.84	114.50	143.00	175.20	210.80	242.90	336.50	371.40	NA
Nominal HP:									
Low Temp.	70.6	97.4	122.0	147.7	176.8	207.6	266.4	302.1	332.4
Medium Temp.	95.3	131.4	164.7	197.4	236.4	279.9	358.5	406.8	442.4
High Temp.	100.7	138.8	173.9	205.3	245.9	291.8	373.5	424.0	NA
Capacity Control	Stepless	Stepless	Stepless	Stepless	Stepless	Stepless	Stepless	Stepless	Stepless
Oil (Pints)	System Dependent								
Rotor Diameter (Inches)	5	5	5	6.4	6.4	8	8	8	8
L/D Ratio	1.65	1.65	1.65	1.65	1.93	1.10	1.45	1.65	1.93
Max RPM	5,000	4,430	3,600	3,600	3,600	3,600	3,600	3,600	3,600
Min RPM	2,900	2,140	1,740	1,440	1,440	1,440	1,440	1,440	1,440
Min RPM w/ Cap. Control	2,900	2,140	1,740	1,440	1,440	1,440	1,440	1,440	1,440
Dimensions (Inches):									
Length/Depth	33	35	35	42	44	46	49	49	52
Width	15	15	15	17	17	20	20	20	20
Height	20	20	20	18	18	21	21	21	21
Connections (Inches):									
Suction ODF	4	4	4	5	5	6	6	6	6
Discharge ODF	2	2	2	3	3	4	4	4	4
Operating Weight (Lbs.)	550	550	550	800	855	1,400	1,455	1,520	1,620

Low Temp. SST = -25°F (-32°C), SCT = 105°F (41°C), Return Gas = 40°F (4°C), Ambient = 95°F (35°C)
Medium Temp. SST = 20°F (-7°C), SCT = 110°F (43°C), Return Gas = 40°F (4°C), Ambient = 95°F (35°C)
High Temp. SST = 40°F (4°C), SCT = 110°F (43°C), Return Gas = 65°F (18°C), Ambient = 95°F (35°C)

Carrier
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HOWDEN WRV SCREW COMPRESSOR

Compressor	WRV										
Size	255 -1.10	255 -1.45	255 -1.65	255 -1.93	255 -2.20	321 -1.32	321 -1.65	321 -1.93	321 2.20	510 1.65	510 1.93
Compressor Type	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw
Drive Type	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
Displacement (CFM @ 3,600 RPM)	1,120	1,520	1,690	1,855	2,255	2,705	3,380	3,715	4,510	6,760†	7,425†
Capacity (Tons):											
Low Temp.	108	141	156	173	196*	210	264	284	381*	348	404
Medium Temp.	334	444	491	552	690*	709	887	1,000	1,300*	1,480	1,690
High Temp.	489	654	722	812	1,010*	1,060	1,330	1,510	1,940*	2,340	2,660
Nominal HP:											
Low Temp.	401	576	610	662	839*	1,080	1,330	1,440	1,650*	2,490	2,780
Medium Temp.	512	716	776	873	941*	1,300	1,610	1,800	1,920*	3,090	3,460
High Temp.	531	743	792	889	948*	1,320	1,630	1,830	1,930*	3,130	3,500
Capacity Control	Stepless	Stepless	Stepless	Stepless	Stepless	Stepless	Stepless	Stepless	Stepless	Stepless	Stepless
Oil (Pints)	System Dependent										
Rotor Diameter (Inches)	10	10	10	10	10	12.6	12.6	12.6	12.6	20	20
L/D Ratio	1.10	1.45	1.65	1.93	2.20	1.32	1.65	1.93	2.20	1.65	1.93
Max RPM	3,600	3,600	3,600	3,600	3,600	3,600	3,600	3,600	3,600	2,000	2,000
Min RPM	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	700	700
MIN RPM w/ Cap. Control	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	700	700
Dimensions (Inches):											
Length/Depth	55	59	61	63	71	75	80	83	92	122	127
Width	27	27	27	27	27	37	37	37	37	61	61
Height	28	28	28	28	28	38	38	38	38	59	59
Connections (Inches):											
Suction ODF	8	10	10	10	10	10	12	12	14	16	16
Discharge ODF	6	8	8	8	8	8	10	10	12	12	12
Operating Weight (Lbs.)	2,039	2,921	3,134	3,395	3,638	6,447	6,943	7,186	7,715	25,349	26,010

†CFM @ 1,800 RPM

Low Temp. SST = -25°F (-32°C), SCT = 105°F (41°C), Return Gas = 40°F (4°C), Ambient = 95°F (35°C), * SCT = 100°F (38°C)
Medium Temp. SST = 20°F (-7°C), SCT = 110°F (43°C), Return Gas = 40°F (4°C), Ambient = 95°F (35°C), * SCT = 100°F (38°C)
High Temp. SST = 40°F (4°C), SCT = 110°F (43°C), Return Gas = 65°F (18°C), Ambient = 95°F (35°C), * SCT = 100°F (38°C)

Carrier
Transicold

5F RECIPROCATING COMPRESSOR

Compressor	5F			
Size	-20	-30	-40	-60
Compressor Type	Recip.	Recip.	Recip.	Recip.
Drive Type	Open	Open	Open	Open
Displacement (CFM @ 1,750 RPM)	19.9	29.8	39.8	59.6
Capacity (Tons):				
Low Temp.	1.23	1.89	2.52	3.76
Medium Temp.	4.57	6.90	9.21	13.90
High Temp.	7.53	11.64	15.30	23.24
Nominal HP:				
Low Temp.	3.9	5.7	7.9	11.2
Medium Temp.	8.3	12.4	16.6	24.6
High Temp.	10.5	15.8	21.3	31.3
Cylinders	2	3	4	6
Capacity Control	100/50	100/67	100/75/50/25	100/83/67/50/33
Oil (Pts.)	5	5-1/2	12	13
Bore (In.)	2-1/2			
Stroke (In.)	2			
Max RPM	1,750	1,750	1,750	1,750
Min RPM	400	400	400	400
Min RPM w/ Cap. Control	600	700	800	900
Dimensions (In.):				
Length/Depth	16	18	22	24
Width	19	21	19	21
Height	19	18	20	25
Connections (In.):				
ODF	1-1/8	1-5/8	1-5/8	2-1/8
Discharge ODF	7/8	1-3/8	1-3/8	1-5/8
Operating Weight (Lbs.)	175	215	355	400

ARI Standard 540-1999

Low Temp: SST=-25°F (-32°C), SCT=105°F (41°C), Return Gas=40°F (4°C), Ambient=95°F (35°C)

Medium Temp: SST=20°F (-7°C), SCT=120°F (49°C), Return Gas=40°F (4°C), Ambient=95°F (35°C)

Carrier
Transicold

5H RECIPROCATING COMPRESSOR

Compressor	5H				5H			
Size	-40	-60	-80	-120	-46	-66	-86	-126
Compressor Type	Recip.	Recip.	Recip.	Recip.	Recip.	Recip.	Recip.	Recip.
Drive Type	Open	Open	Open	Open	Open	Open	Open	Open
Displacement (CFM @ 1,750 RPM)	92.4	138.4	184.7	276.8	115.5	173.0	231.0	346.0
Capacity (Tons):								
Low Temp.	6.11	9.12	12.24	18.33	7.61	11.38	15.27	22.77
Medium Temp.	22.40	33.58	44.64	67.04	27.90	41.82	55.57	83.56
High Temp.	36.07	53.81	71.45	107.39	45.69	67.34	89.31	134.51
Nominal HP:								
Low Temp.	17.4	25.7	34.1	50.7	22.6	33.5	44.4	66.0
Medium Temp.	37.7	56.6	74.8	112.1	49.0	73.5	97.0	145.2
High Temp.	49.5	74.7	98.5	148.1	64.7	97.1	127.1	191.0
Cylinders	4	6	8	12	4	6	8	12
Capacity Control	100/75/50/25	100/83/67/50/33	100/88/62/37/25	100/83/67/50/33	100/75/50/25	100/83/67/50/33	100/88/62/37/25	100/83/67/50/33
Oil (Pts.)	18	21	41	61	18	21	41	61
Bore (In.)	3-1/4				3-1/4			
Stroke (In.)	2-3/4				3-7/16			
Max RPM	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750
Min RPM	400	400	400	400	400	400	400	400
Min RPM w/ Cap. Control	800	900	1,100	900	800	900	1,100	900
Dimensions (In.):								
Length/Depth	31	32	44	47	31	32	44	47
Width	25	27	25	27	25	27	25	27
Height	29	30	32	35	29	30	32	35
Connections (In.):								
ODF	2-5/8	3-1/8	3-1/8	4-1/8	2-5/8	3-1/8	3-1/8	4-1/8
Discharge ODF	2-1/8	3-1/8	3-1/8	4-1/8	2-1/8	3-1/8	3-1/8	4-1/8
Operating Weight (Lbs.)	610	795	1,115	1,580	610	795	1,115	1,580

ARI Standard 540-1999

Low Temp: SST=-25°F (-32°C), SCT=105°F (41°C), Return Gas=40°F (4°C), Ambient=95°F (35°C)

Medium Temp: SST=20°F (-7°C), SCT=120°F (49°C), Return Gas=40°F (4°C), Ambient=95°F (35°C)

Carrier
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05K/05G RECIPROCATING COMPRESSOR

Compressor	05K		05G	
Size	-12	-24	-37	-41
Compressor Type	Recip.	Recip.	Recip.	Recip.
Drive Type	Open	Open	Open	Open
Displacement (CFM @ 1,750 RPM)	12.4	24.7	37.0	41.0
Capacity (Tons):				
Low Temp.	1.04	2.03	2.90	3.24
Medium Temp.	3.14	6.18	9.15	10.55
High Temp.	5.58	11.08	16.57	18.57
Nominal HP:				
Low Temp.	3.3	6.6	9.1	10.0
Medium Temp.	6.0	12.0	18.2	19.6
High Temp.	7.8	16.2	26.8	27.5
Cylinders	2	4	6	6
Capacity Control	100	100/50	100/67/33	100/67/33
Oil (Pts.)	4	5-1/2	7-3/4	7-3/4
Bore (In.)	2	2	2	2
Stroke (In.)	1-15/16	1-15/16	1-15/16	2-9/64
Max RPM	2,200	2,200	2,200	2,200
Min RPM	500	500	500	500
Min RPM w/ Cap. Control	500	500	500	500
Dimensions (In.):				
Length/Depth	12	13	17	17
Width	11	13	17	17
Height	15	17	16	16
Connections (In.):				
ODF	Various	Various	Various	Various
Discharge ODF	Various	Various	Various	Various
Operating Weight (Lbs.)	84	108	146	146

ARI Standard 540-1999
Low Temp: SST=-25°F (-32°C), SCT=105°F (41°C), Return Gas=40°F (4°C), Ambient=95°F (35°C)
Medium Temp: SST=20°F (-7°C), SCT=120°F (49°C), Return Gas=40°F (4°C), Ambient=95°F (35°C)
High Temp: SST=45°F (7°C), SCT=130°F (54°C), Return Gas=65°F (18°C), Ambient=95°F (35°C)

Carrier
Transicold

06D/06E SEMI-HERMETIC COMPRESSOR

Compressor	06D								06E			
Size	-08/-09	-13	-16	-18	-20	-24	-28	-37	-50	-65	-75	-99
Compressor Type	Recip.	Recip.	Recip.	Recip.	Recip.	Recip.	Recip.	Recip.	Recip.	Recip.	Recip.	Recip.
Drive Type	Semi-H	Semi-H	Semi-H	Semi-H	Semi-H	Semi-H	Semi-H	Semi-H	Semi-H	Semi-H	Semi-H	Semi-H
Displacement (CFM @ 1,750 RPM)	8.0/8.7	13.1	15.9	18.3	20.0	23.9	28.0	37.1	50.3	68.3	75.4	99.0
Capacity (Tons):												
Low Temp.	0.62	0.98	1.23	1.46	1.73	1.83	2.19	2.97	3.62	4.58	5.64	7.06
Medium Temp.	1.74	2.66	3.40	3.95	4.80	5.48	6.19	8.60	10.74	14.45	15.89	21.34
High Temp.	3.04	4.74	5.90	6.91	7.95	8.81	10.64	14.60	19.19	25.25	27.85	36.74
Nominal HP:												
Low Temp.	2.3	3.2	4.0	4.7	5.5	6.0	7.2	9.9	13.1	17.0	21.3	29.4
Medium Temp.	3.6	5.5	7.2	7.9	9.8	11.3	12.5	17.8	22.3	29.8	33.8	48.41
High Temp.	4.6	7.0	8.6	10.2	12.4	13.1	15.7	23.1	29.5	39.3	44.1	61.1
Cylinders	2	4	4	4	4	6	6	6	4	6	6	6
Capacity Control	100	100/50	100/50	100/50	100/50	100/67/33	100/67/33	100/67/33	100/50	100/67/33	100/67/33	100/67/33
Oil (Pts.)	3	4-1/2	4-1/2	5-1/2	5-1/2	8	8	8	14	19	19	19
Bore (In.)	2	2	2	2	2	2	2	2	2-11/16	2-11/16	2-11/16	2-11/16
Stroke (In.)	1-1/4 / 1-3/8	1	1-1/4	1-7/16	1-9/16	1-1/4	1-15/32	1-15/16	2-3/16	1-63/64	2-3/16	2-7/8
Max RPM	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750
Min RPM	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750
Min RPM w/ Cap. Control	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750
Dimensions (In.):												
Length/Depth	19	22	22	22-24	24	24	24	24	31	33	33	33
Width	10	15	15	15	15	16	18	18	21	24	24	24
Height	15	15	15	15-17	17	15	16	16	21	20	20	20
Connections (In.):												
ODF	7/8	7/8-1-1/8	1-1/8	1-1/8-1-3/8	1-3/8	1-3/8	1-3/8-1-5/8	1-3/8-1-5/8	1-5/8-2-1/8	1-5/8-2-1/8	2-1/8	2-1/8
Discharge ODF	5/8	5/8	5/8	7/8	5/8	7/8-1-1/8	7/8-1-1/8	7/8-1-1/8	1-1/8	1-3/8	1-3/8	
Operating Weight (Lbs.)	160	230-235	235	250	260	310	315	325	430	480-485	490	500-520
Electrical Data (Amps):												
208/230-3-60 - Rated Load	12.4/8.6	12.4-19.3	19.3	19.3-31.4	31.4	31.4-39.6	39.6-44.3	44.3-63.6	76-87	90-112	0-135	130-189
208/230-3-60 - Locked Rotor	71/53	71-100	100	100-160	160	160-198	198-228	228-266	283-345	345-446	.45-506	506-690
400/460-3-60 - Rated Load	6.2/3.9	6.2-9.6	9.6	9.6-15.7	15.7	15.7-19.8	19.8-22.1	22.1-28.6	38-44	45-56	45-68	65-95
400/460-3-60 - Locked Rotor	36/26	36-50	50	50-80	80	80-99	99-114	114-120	142-173	173-223	173-253	253-345

ARI Standard 540-1999

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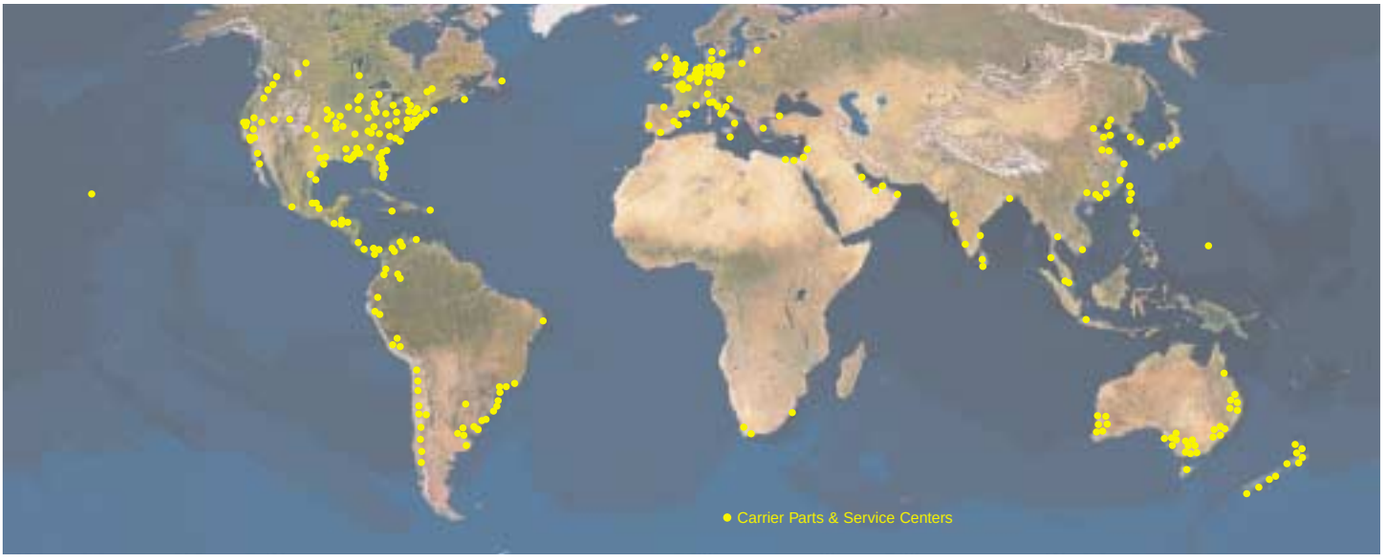

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Carrier Transicold USA
Marine Products Group
P.O. Box 4805
Carrier Parkway, Building TR-20
Syracuse, NY 13221 USA
Phone: 315-432-7747
Fax: 315-432-3099

Carrier Transicold Europe/Middle East/Africa
P.O. Box 10066
Pittsburghstraat 21
3047 BL
Rotterdam, The Netherlands
Phone: 31-10-2380182
Fax: 31-10-2380183

Carrier Transicold(s) Ltd. Asia Pacific
12 Gul Road
Jurong
Singapore 2262
Phone: 65-862-1116
Fax: 65-862-3286

Carrier Refrigeration Operations, Korea
Hankook Tire Bldg.,
Third Floor
647-15 Yoksam-Dong
Kangnam-Gu, Seoul
Korea 135-080
Phone: 82-2-3450-7788
Fax: 82-2-558-3776

Carrier Refrigeration Operations, Australia/New Zealand
Cnr Boundary &
Fairbairn Roads
Sunshine, Victoria 3020
Australia
Phone: 61-3-9314-1933
Fax: 61-3-9314-3911

Carrier Refrigeration (Shanghai) Co. Ltd.
Room 3309/3310
Kerry Everbright City Tower 1
218 Tianmu Xi Road
Shanghai, P.R. China
Phone: 86-21-63543180
Fax: 86-21-63543181

Carrier Refrigeration Private Limited
Krishna Kunj
(next to JVPD bus depot)
Juhu Mumbai 400 049
India
Phone: 91-22-690-1788
Fax: 91-22-690-1790

Carrier Transicold (Japan) Ltd.
14 Nihon-Odori
Naka-Ku
Yokohama
Japan
Phone: 81-45-664-6272
Phone: 81-45-664-6270

Carrier
A United Technologies Company

Carrier Refrigeration Operations
Marine Products Group
P.O. Box 4805
Syracuse, NY 13221 USA

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