

PACKAGED LIQUID CHILLERS

HERMETIC TYPE—20 TO 40 TONS

REFRIGERANT—22

TABLE 1— 2-5/8" Bore Hermetic Compressors Used On Model LCH Chillers

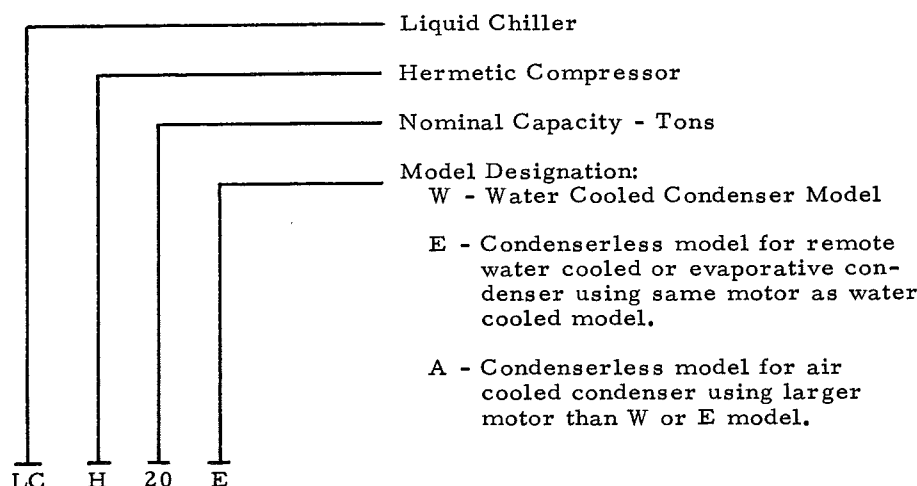
Description	LCH20W, E & A	LCH25W, E	LCH25A	LCH30W, E	LCH30A	LCH40W, E	LCH40A
Model	H51SN	H61SN	H61SP	H62SP	H62SQ	H92SR	H92SS
Bore X Stroke	2-5/8 X 1-7/8	2-5/8 X 1-7/8	2-5/8 X 1-7/8	2-5/8 X 2-1/4	2-5/8 X 2-1/4	2-5/8 X 2-1/4	2-5/8 X 2-1/4
No. of Cyl. (Std. Compr.)	6	6	6	6	6	9	9
No. of Active Cyl.	5*	6	6	6	6	9	9
	PART NO.						
208-3-60	365-22699	365-22701	365-22703	365-22707	365-22709	365-22715	365-22717
220/240-3-60	365-22406	365-22409	365-22412	365-22418	365-22421	365-22430	365-22433
440/480-3-60	365-22407	365-22410	365-22413	365-22419	365-22422	365-22431	365-22434
550/600-3-60	365-22408	365-22411	365-22414	365-22420	365-22423	365-22432	365-22435
220-3-50	365-22700	365-22702	365-22704	365-22708	365-22710	365-22716	365-22718
380/400-3-50	365-23182	365-23182	365-23184	365-23186	365-23187	365-23190	365-23191

*Suction Valve Removed From One Cylinder

For all Compressor Parts refer to Renewal Parts Form 180.15-RP1.

Compressors are bare, with discharge manifold, stop valves, oil charge and crankcase heater, less base. Compressor part numbers shown are for compressors with suction pressure actuated capacity control. Compressors used on LCH model chillers are equipped with temperature actuated capacity control. For replacement, order compressor listed above and use power assembly from original compressor or order new power assembly (part number 025-09981).

NOMENCLATURE



MODELS

LCH20W, E, A
LCH25W, E, A
LCH30W, E, A
LCH40W, E, A

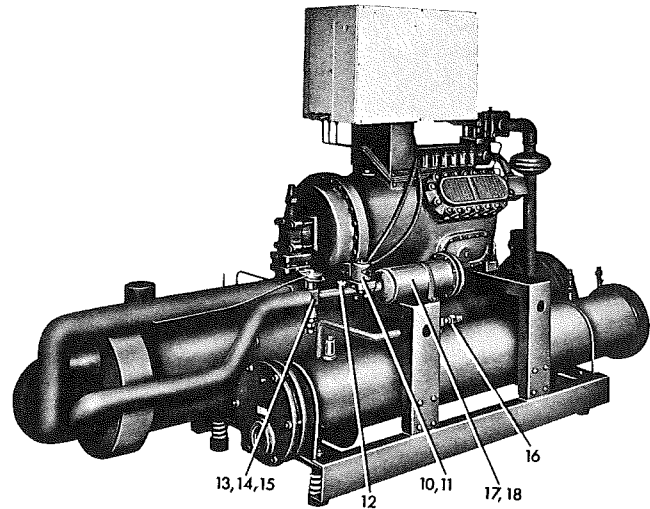
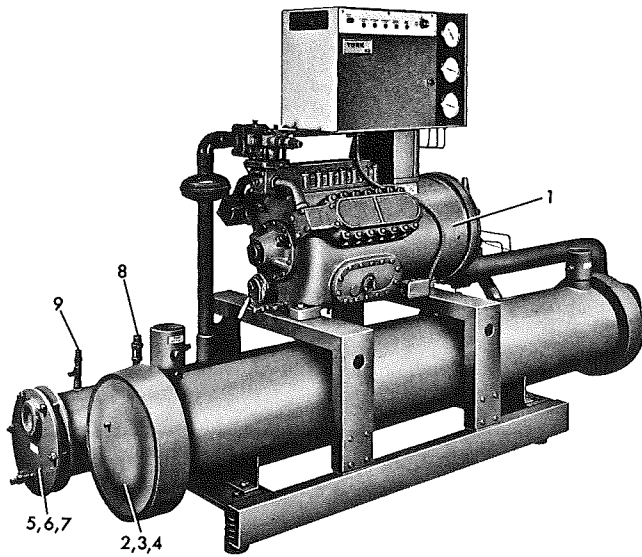
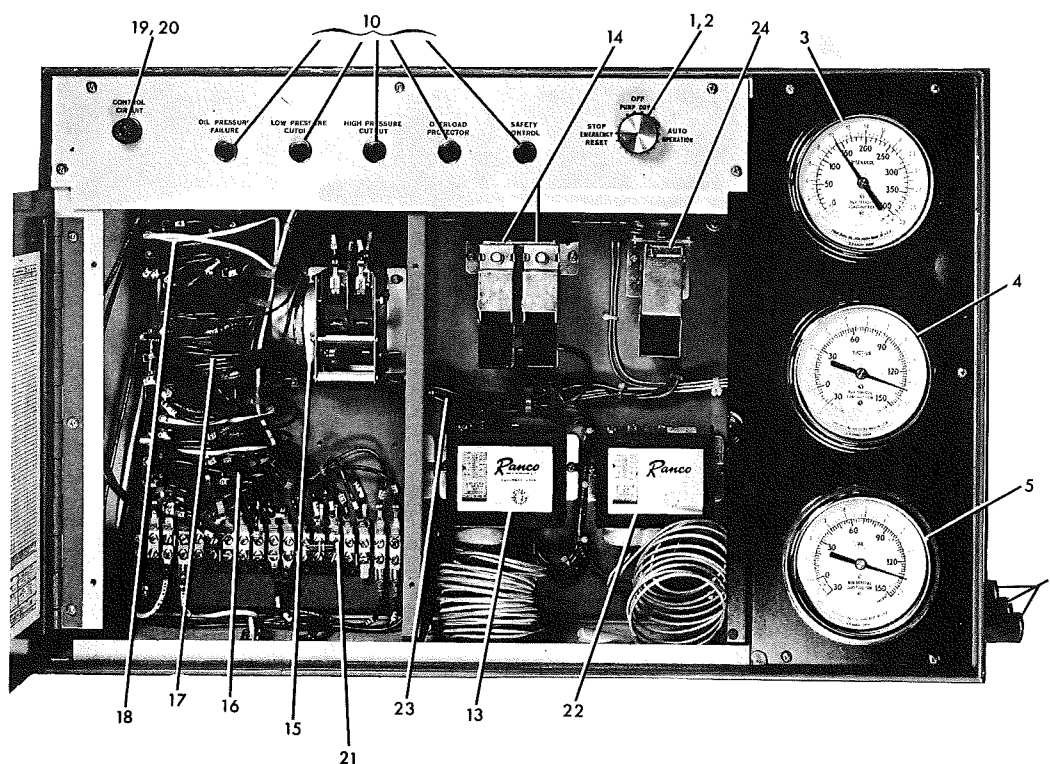


TABLE 2— Refrigeration Circuit Components

Item No.	Description	LCH20 (W)(E)(A) 50 & 60 Cy.	LCH25 (W)(E)(A) 50 Cy.	LCH25 (W)(E)(A) 60 Cy.	LCH30 (W)(E)(A) 50 Cy.	LCH30 (W)(E)(A) 60 Cy.	LCH40 (W)(E)(A) 50 Cy.	LCH40 (W)(E)(A) 60 Cy.
1	Compressor	See Table 1						
2	Cooler	367-92184-001	367-92184-001	367-92184-003	367-92184-003	367-92184-005	367-92184-007	367-92184-007
3*	Tube, Cooler No. Req'd.	026-16145 55	026-16145 55	026-16144 92	026-16144 92	026-16145 92	026-16145 142	026-16145 142
4*	Gasket (Cooler) (2 Req'd.)	026-16759	026-16759	026-16760	026-16760	026-16760	026-16761	026-16761
5	Condenser (W Models)	367-87494	367-87494	367-87477	367-87477	367-87419	367-87172	367-87319
6*	Tube, Condenser No. Req'd.	007-02564 31	007-02564 31	007-02564 37	007-02564 37	007-02564 48	007-02564 57	007-02564 72
7*	Gasket (Cond.) (2 Req'd.)	067-40175	067-40175	067-40175	067-40175	067-40175	067-40176	067-40176
8	Valve, Cond. Relief	022-03056	022-03056	022-03056	022-03056	022-03056	022-03056	022-03056
9	Valve, Purge	022-01582	022-01582	022-01582	022-01582	022-01582	022-01582	022-01582
10	Valve, Liquid Solenoid	025-15802	025-15144	025-15144	025-15145	025-15145	025-15145	025-15145
11	Coil, Solenoid Valve	025-09654	025-09654	025-09654	025-09654	025-09654	025-09654	025-09654
12	Moisture Indicator	026-15305	026-15305	026-15305	026-15306	026-15306	026-15306	026-15306
13	Valve, TXV	025-15146	025-15146	025-15146	025-15147	025-15147	025-15148	025-15148
14*	Power Assy. - TXV	025-16420	025-16420	025-16420	025-16420	025-16420	025-16420	025-16420
15*	Internal Parts Kit - TXV	025-16421	025-16421	025-16421	025-16422	025-16422	025-16422	025-16422
16	Valve, Liquid Stop	022-03118	022-03118	022-03118	025-10510	025-10510	025-10510	025-10510
17	Dehydrator	026-15301	026-15301	026-15301	026-15302	026-15302	026-15303	026-15303
18	Cartridge, Dehydrator No. Req'd.	026-15304 1	026-15304 1	026-15304 1	026-15304 1	026-15304 1	026-15304 2	026-15304 2
19*	Muffler, Dis- charge (E) & (A) Models	029-13496	029-13496	029-13496	029-13496	029-13496	029-13497	029-13497

*Not Shown

**TABLE 3—** Control Panel

Item	Description	LCH 20W, E; 25W, E; 30W, E; 40W, E;	LCH 20A, 25A 30A, 40A
1	Switch, Stop-Auto-Off	024-13272	024-13272
2	Knob, Stop-Auto-Off Switch	365-22494	365-22494
3	Gauge, Discharge Pressure	026-14294	026-14294
4	Gauge, Suction Pressure	026-14295	026-14295
5	Gauge, Oil Pressure	026-14296	026-14296
6*	Discharge Gauge Conn.	365-22554	365-22554
7*	Suction Gauge Conn.	365-22556	365-22556
8*	Oil Gauge Conn.	365-22564	365-22564
9	Gauge Stop Valve	022-02994	022-02994
10	Indicator Light	025-13551	025-13551
11*	Lock and Key	029-07382	029-07382
12*	Key Only	029-10876	029-10876
13	Operating Thermostat (1TH)	025-10056	025-10056
14	HP & LP Cut-out	025-15055001	025-15054001
15	Program Timer (1TR)	025-14531	025-14531
16	Relay 1R	024-11784	024-11784
17	Relay 2R	024-11784	024-11784
18	Relay 3R	024-11784	024-11784
19	Fuse Holder	025-13991	025-13991
20	Fuse (5 Amp)	025-15759	025-15759
21	Terminal Strip	225-14542	225-14542
22	Freeze Control (SC)	025-15053	025-15053
23	Harness, Wiring	365-22826	365-22826
24	Oil Pressure Cutout (OP)	025-14530	025-14530
	Compound, heat conductive (4 oz. can)	013-00898	013-00898
	(1 oz. tube)	013-01850	013-01850

*Not Shown

NOTE: For replacement starter contactors order from York by description, being sure to list original York Sales Order Number.

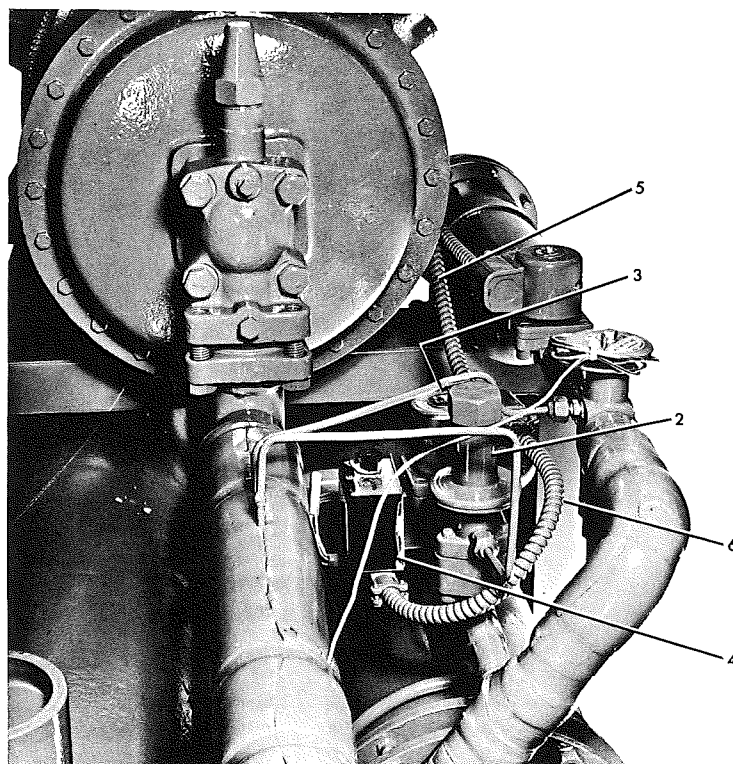


TABLE 4— Factory Options

Item No.	Description	Part No.
1	Load Minder, Complete	367-92689
2	Valve, Load-Minder	022-02753
3	Valve, Solenoid	025-15145
4	Thermostat (2TH)	025-15251
5	Harness, Wiring	365-22862
6	Harness, Wiring	365-22871
	Flow Switch	024-15793
	Dual Unit Control Kit	366-14728
	Control Transformer	
	208-3-60	025-14108
	220/240-3-60	025-14108
	440/480-3-60	025-14108
	550/600-3-60	025-15532
	220-3-50	025-14108
	380/400-3-50	025-14108
	Control, low temperature unloading-for brine application (range 10 F to 32.5 F)	025-14283