



Model number nomenclature

19XRV 65 65 456 DE S 64 S
19XR 52 51 473 DG H 64 -

Description
19XR — High Efficiency Hermetic Centrifugal Liquid Chiller

19XRV — Ultra High Efficiency Variable Speed Hermetic Centrifugal Liquid Chiller

Cooler Size
10-12 (Frame 1 XR)
15-17 (Frame 1 XR)
20-22 (Frame 2 XR)
30-32 (Frame 3 XR)
35-37 (Frame 3 XR)
40-42 (Frame 4 XR)
45-47 (Frame 4 XR)
50-52 (Frame 5 XR)
5A-5C (Frame 5 XR)
5F-5H (Frame 5XR)
60-62 (Frame 6 XR)
65-67 (Frame 6 XR)
70-72 (Frame 7 XR)
75-77 (Frame 7 XR)
80-82 (Frame 8 XR)
85-87 (Frame 8 XR)

Condenser Size
10-12 (Frame 1 XR)
15-17 (Frame 1 XR)
20-22 (Frame 2 XR)
30-32 (Frame 3 XR)
35-37 (Frame 3 XR)
40-42 (Frame 4 XR)
45-47 (Frame 4 XR)
50-52 (Frame 5 XR)
55-57 (Frame 5 XR)
60-62 (Frame 6 XR)
65-67 (Frame 6 XR)
70-72 (Frame 7 XR)
75-77 (Frame 7 XR)
80-82 (Frame 8 XR)
85-87 (Frame 8 XR)

Compressor Code
(First Digit Indicates Compressor Frame Size)

Special Order Indicator
— Standard
S — Special Order

Motor Voltage Code
Code Volts-Phase-Hertz
60 — 200-3-60
61 — 200-3-60
62 — 380-3-60
63 — 416-3-60
64 — 460-3-60
65 — 575-3-60
66 — 2400-3-60
67 — 3300-3-60
68 — 4160-3-60
69 — 6900-3-60
50 — 230-3-50
51 — 346-3-50
52 — 400-3-50
53 — 3000-3-50
54 — 3300-3-50
55 — 6300-3-50

Motor Efficiency Code
H — High Efficiency
S — Standard Efficiency

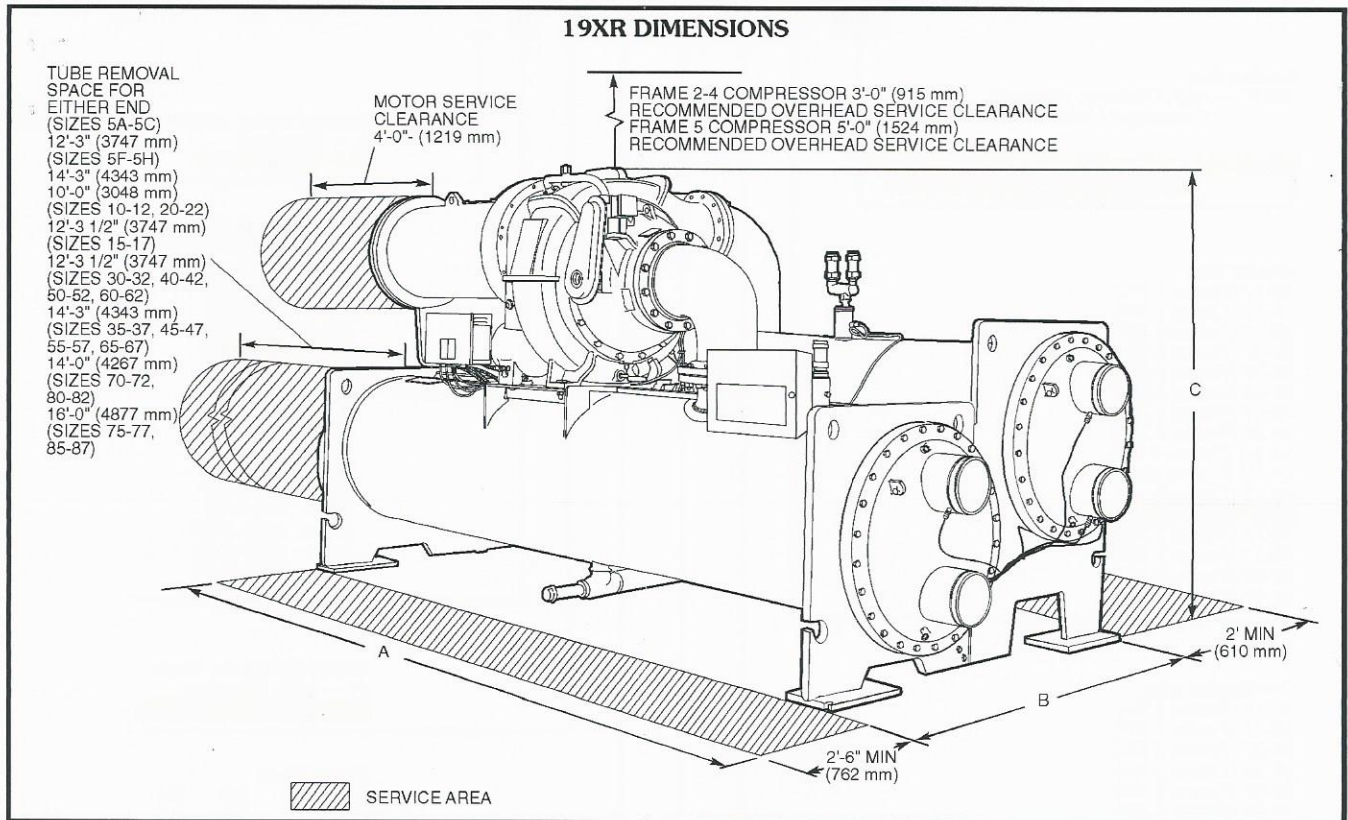
Motor Code
BD CD DB EH
BE CE DC EJ
BF CL DD EK
BG CM DE EL
BH CN DF EM
CP DG EN
CQ DH EP
CR DJ DK



ASME 'U' Stamp

ARI (Air Conditioning and Refrigeration Institute) Performance Certified

Dimensions



19XR DIMENSIONS (NOZZLE-IN-HEAD WATERBOX)

HEAT EXCHANGER SIZE	A (Length, with Nozzle-in-Head Waterbox)						B (Width)		19XR C (Height)		19XR V C (Height)	
	1 Pass		2-Pass*		3 Pass		ft-in.	mm	ft-in.	mm	ft-in.	mm
	ft-in.	mm	ft-in.	mm	ft-in.	mm						
10 to 12	11-11	3632	11- 4	3454	11-11	3632	5- 27/8	1597	6- 11/4	1861	7-3	2210
15 to 17	14- 2 1/2	4331	13- 7 1/2	4153	14- 2 1/2	4331	5- 27/8	1597	6- 1 1/4	1861	7-3	2210
20 to 22	11-11 3/4	3651	11- 4 3/4	3473	11-11 3/4	3651	5- 6 7/16	1688	6- 3 1/4	1911	7-6 1/2	2299
30 to 32	14- 3 1/4	4350	13- 8 1/4	4172	14- 3 1/4	4350	5- 7 3/16	1707	6- 9 5/8	2073	7-4 7/8	2257
35 to 37	15-11 3/4	4870	15- 4 3/4	4693	15-11 3/4	4870	5- 7 3/16	1707	6- 9 5/8	2073	7-4 7/8	2257
40 to 42	14- 9	4496	14- 3 1/8	4347	14- 6	4420	6- 3 1/8	1908	7- 0 3/4	2153	7-9 1/16	2363
45 to 47	16- 5 1/2	5017	15-11 5/8	4867	16- 2 1/2	4940	6- 3 1/8	1908	7- 0 3/4	2153	7-9 1/16	2363
50 to 52	14-10	4521	14- 4 1/2	4382	14- 6 1/2	4432	6- 8 7/8	2054	7- 2 3/8	2194	8-4 7/8	2562
5A to 5C	14-10	4521	14- 4 1/2	4382	14- 6 1/2	4432	6- 8 7/8	2054	7- 2 3/8	2194	8-4 7/8	2562
55 to 57	16- 6 1/2	5042	16- 1	4902	16- 3	4953	6- 8 7/8	2054	7- 2 3/8	2194	8-4 7/8	2562
5F to 5H	16- 6 1/2	5042	16- 1	4902	16- 3	4953	6- 8 7/8	2054	7- 2 3/8	2194	8-4 7/8	2562
60 to 62	14-11	4547	14- 5 1/4	4400	14- 7	4445	6- 0 5/8	2124	7- 4 3/8	2245	8-7 7/8	2638
65 to 67	16- 7 1/2	5067	16- 1 3/4	4921	16- 3 1/2	4966	6- 0 5/8	2124	7- 4 3/8	2245	8-7 7/8	2638
70 to 72	17- 0 1/2	5194	16-11	5156	16- 9 1/4	5112	7-11 1/2	2426	9- 9 1/2	2972	—	—
75 to 77	19- 0 1/2	5804	18-11	5766	18- 9 1/4	5721	7-11 1/2	2426	9- 9 1/2	2972	—	—
80 to 82	17- 3 1/2	5271	17- 0 1/2	5194	16- 9 1/2	5118	8-10 3/4	2711	9-11 1/4	3029	—	—
85 to 87	19- 3 1/2	5880	19- 0 1/2	5804	18- 9 1/2	5728	8-10 3/4	2711	9-11 1/4	3029	—	—

*Assumes both cooler and condenser nozzles on same end of chiller.

NOTES:

- Service access should be provided per American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE) 15, latest edition, National Fire Protection Association (NFPA) 70, and local safety code.
- Allow at least 3 ft (915 mm) overhead clearance for service rigging for frame 2-4 compressor. Overhead clearance for service rigging frame 5 compressor should be 5 ft (1524 mm).
- Certified drawings available upon request.
- Marine waterboxes may add 6 in., to the width of the machine. See certified drawings for details.
- 'A' length dimensions shown are for standard 150 psi design and victaulic connections. The 300 psi design and/or flanges will add length. See certified drawings.
- 19XR V height — check certified drawings.