



BY JOHNSON CONTROLS

Model #: YKK8K3H9-EVG
Serial #: SEAM-669800

Size: 800 Tons



***Model YK Centrifugal Liquid Chillers
Style G***

Shipping Weight: 28,536 lbs
Operating Weight: 36,000 lbs

250 THROUGH 3000 TONS
(879 through 10,500 kW)
Utilizing HFC-134a

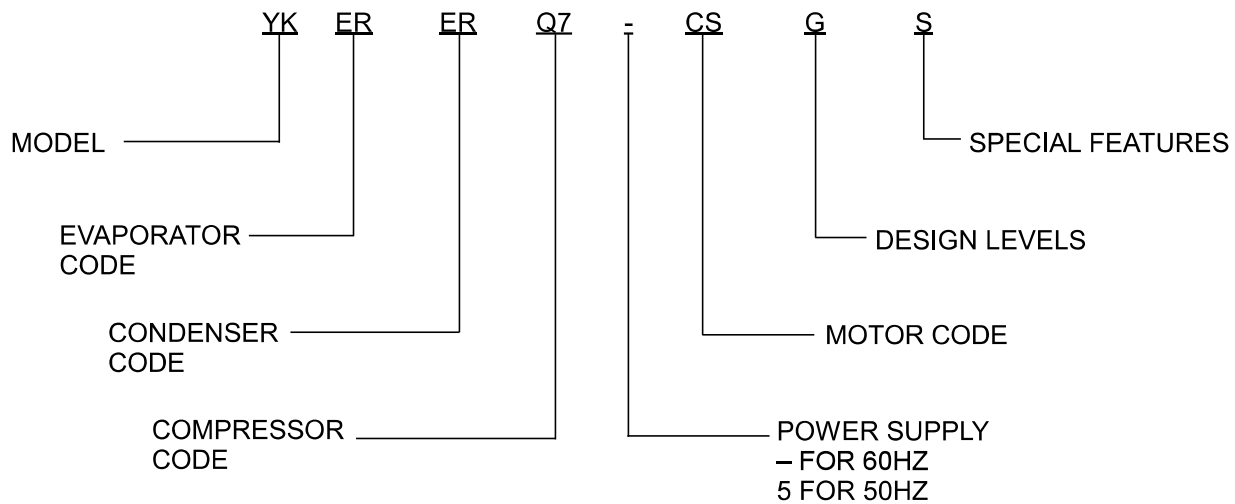
L: 20'
W: 8' 5"
H: 10' 4"

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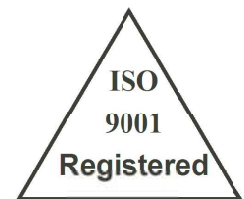
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NOMENCLATURE

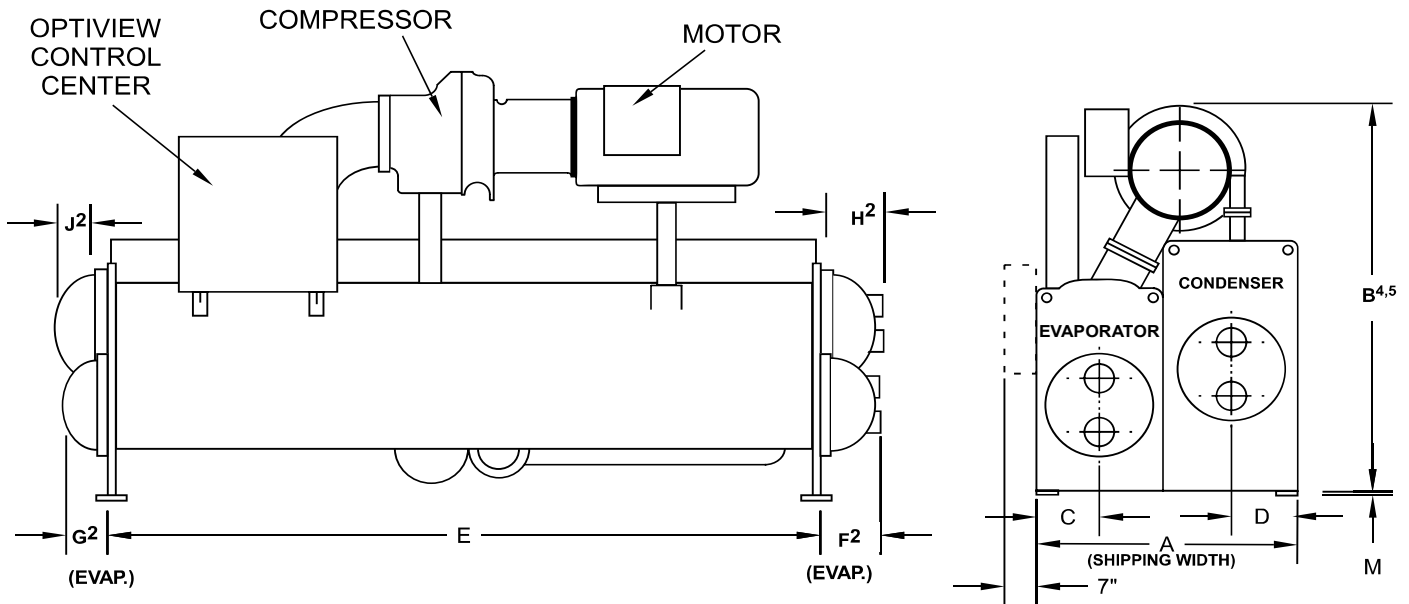


Refer to the AHRI site at: www.ahrinet.org/water_chilling+packages+using+vapor+compression+cycle+_water_cooled_.aspx for complete Program Scope, Inclusions, and Exclusions. Certified units may be found in the AHRI Directory at www.ahridirectory.org.



Products are produced at a facility whose quality-management systems are ISO9001 certified.

H COMPRESSOR UNITS



ADDITIONAL OPERATING HEIGHT CLEARANCE

| TYPE OF CHILLER MOUNTING | M |
|--------------------------------|--------|
| NEOPRENE PAD ISOLATORS | 1-3/4" |
| SPRING ISOLATORS 1" DEFLECTION | 1" |
| DIRECT MOUNT | 3/4" |

H9 COMPRESSORS

EVAP.-COND. SHELL CODES

| | I-K & K-K | K-O | M-M |
|---|-----------|------------|-------------|
| A | 7'-6 1/2" | 8'-9 1/4" | 8'-7" |
| B | 10'-4" | 10'-7 5/8" | 10'-10 1/2" |
| C | 2'-1 1/4" | 2'-1 1/4" | 2'-4 1/2" |
| D | 1'-8" | 2'-3 3/8" | 1'-11" |
| E | 14'-0" | 14'-0" | 14'-0" |

NOTES:

1. All dimensions are approximate. Certified dimensions are available on request.
2. For all waterboxes (compact boxes shown above), determine overall unit length by adding waterbox depth to tube sheet length.
3. Water nozzles can be located on either end of unit. Add 1/2" to nozzle length for flanges connections.
4. To determine overall height, add dimension "M" for the appropriate isolator type.
5. Use of motors with motor hoods may increase overall unit dimensions.

Weights - English

TABLE 27 – APPROXIMATE UNIT WEIGHT INCLUDING MOTOR² FOR FLOODED EVAPORATOR UNITS

| SHELLS | COMPRESSOR | SHIPPING WEIGHT (LBS.) | OPERATING WEIGHT (LBS.) | EST. REFRIGERANT CHARGE (LBS.) ¹ |
|------------|-------------|------------------------|-------------------------|---|
| A-A | Q3 | 13,100 | 15,000 | 828 |
| C-B | Q4 | 18,023 | 22,323 | 1,525 |
| C-C | Q3, Q4 | 14,920 | 17,940 | 1,221 |
| C-C | Q5 | 15,330 | 18,350 | 1,221 |
| D-D | Q3, Q4 | 17,215 | 21,100 | 1,628 |
| D-D | Q5 | 17,625 | 21,510 | 1,628 |
| E-E | Q3, Q4 | 17,950 | 22,160 | 1,710 |
| E-E | Q5,Q6,Q7,P7 | 18,360 | 22,570 | 1,710 |
| E-I | Q7 | 23,567 | 29,384 | 1,805 |
| F-F | Q5,Q6,Q7,P7 | 18,720 | 23,880 | 2,175 |
| G-E | P8 | 20,300 | 24,200 | 1,990 |
| H-F | P8,P9 | 23,100 | 28,000 | 2,610 |
| J-J | P8,P9 | 24,000 | 29,100 | 2,550 |
| L-L | P8,P9 | 27,400 | 33,900 | 3,165 |
| K-K | H9 | 28,530 | 36,000 | 2,925 |
| K-K | K1 | 31,100 | 36,200 | 3,248 |
| K-O | H9 | 34,483 | 44,776 | 3,260 |
| M-M | H9 | 34,200 | 43,600 | 3,665 |
| M-M | K1,K2 | 38,300 | 47,100 | 3,665 |
| M-U | K2 | 45,178 | 58,017 | 3,540 |
| N-N | K1,K2 | 40,893 | 50,800 | 4,225 |
| N-N | K3 | 48,000 | 54,100 | 4,225 |
| P-P | K1,K2 | 41,500 | 51,900 | 3,855 |
| Q-Q | K1,K2 | 45,300 | 56,800 | 4,255 |
| Q-Q | K3 | 46,000 | 60,200 | 4,255 |
| R-R | K3 | 52,800 | 70,300 | 4,600 |
| R-R | K4 | 53,000 | 70,600 | 4,600 |
| S-S | K4 | 59,000 | 76,300 | 4,815 |
| S-V | K4 | 60,100 | 81,300 | 5,467 |
| X-T | K4 | 59,200 | 80,000 | 5,338 |
| X-X | K4 | 66,000 | 87,000 | 5,875 |
| W-W | K7 | 79,500 | 104,000 | 8,002 |
| Z-Y | K7 | 95,230 | 123,015 | 7,175 |
| Z-Z | K7 | 80,500 | 105,000 | 6,984 |

¹ Refrigerant charge quantity and weights will vary based on tube count.

² Refer to product drawings for detailed weight information.

TABLE 28 – APPROXIMATE UNIT WEIGHT INCLUDING MOTOR FOR HYBRID FALLING FILM EVAPORATOR UNITS

| SHELLS | COMPRESSOR | SHIPPING WEIGHT (LBS.) | OPERATING WEIGHT (LBS.) | EST. REFRIGERANT CHARGE (LBS.) ¹ |
|--------|-------------|------------------------|-------------------------|---|
| A-A | Q3 | 12,850 | 14,419 | 695 |
| C-C | Q3, Q4 | 14,570 | 16,848 | 875 |
| C-C | Q5 | 15,000 | 17,278 | 875 |
| D-D | Q4 | 17,000 | 20,051 | 1,180 |
| D-D | Q5 | 17,410 | 20,461 | 1,180 |
| E-E | Q5,Q6,Q7,P7 | 18,700 | 21,700 | 1,120 |
| F-F | Q5,Q6,Q7,P7 | 19,220 | 23,142 | 1,415 |
| G-E | P8, P9 | 20,640 | 24,036 | 1,320 |
| H-F | P8, P9 | 23,540 | 28,083 | 1,775 |
| I-K | H9 | 28,849 | 34,078 | 1,820 |
| K-K | H9 | 28,850 | 34,079 | 1,820 |
| I-K | K1 | 31,350 | 35,145 | 1,820 |
| M-M | K1,K2 | 34,520 | 46,055 | 2,300 |
| N-N | K1,K2 | 41,273 | 49,605 | 2,650 |
| N-N | K3 | 48,380 | 52,905 | 2,650 |
| P-P | K1,K2 | 41,950 | 51,595 | 3,100 |
| Q-Q | K1,K2 | 45,800 | 56,545 | 3,500 |
| Q-Q | K3 | 46,500 | 59,945 | 3,500 |

¹ Refrigerant charge quantity and weights will vary based on tube count and configuration. Use for reference only.