



MYCOM

The Clean Environment People

MYKOLD

K **SERIES**

*High-Performance Compressors & Units
Designed to Meet Today's Challenge
to Reduce Ozone Depletion*



The MYCOM "K" series compressor and "MYKOLD" units are another addition to the family of world-renowned MYCOM reciprocating refrigeration equipment. These halocarbon compressors are rugged, industrial quality, and designed specifically for use with R-22 and the newer ozone friendly refrigerants soon to be commercially available. This equipment is competitively priced and suitable for both industrial and commercial applications, insuring dependability, long life and low operation and maintenance costs.

COMPACT

Lighter and smaller than any other compressors of its type. All "K" series and "MYKOLD" units, including chillers, will fit through a standard doorway (36" x 80").

HI-QUALITY

Manufactured at our modern plant under the highest level of quality control.

FOR A BETTER ENVIRONMENT

Designed specifically for use with R-22 and other environmentally safe refrigerants to reduce ozone depletion.

SAVE ENERGY

Hydraulically operated multistep unloading system for precise control and energy efficient operation.

BARE COMPRESSORS

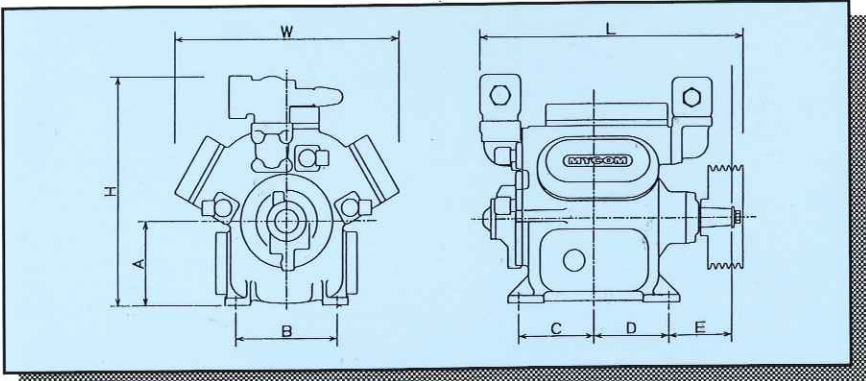
| Model | 4K | 6K | 8K |
|-------------------|-------------------------|----------------------|------------------|
| TYPE | OPEN TYPE RECIPROCATING | | |
| No. of cylinder | 4 | 6 | 8 |
| Max. speed (rpm) | 1800 | | |
| Cfm at max speed | 93.7 | 140.6 | 187.4 |
| Capacity steps | 100, 75, 50, 25% | 100, 83, 67, 50, 33% | 100, 75, 50, 25% |
| Refrigeration oil | SUNISO 4GS (ISO VG68) | | |
| Oil charge (gal) | 2.4 | 2.4 | 2.6 |
| Suction ODS | 2-1/8" | 2-5/8" | 3-1/8" |
| Discharge ODS | 1-5/8" | 2-1/8" | 2-5/8" |
| Net weight (lbs) | 573 | 644 | 706 |

ITEMS INCLUDED

- Compressor
- Suction & discharge stop valves
- Capacity control solenoid valves
- Internal pressure relief valve
- Suction & oil sump strainers

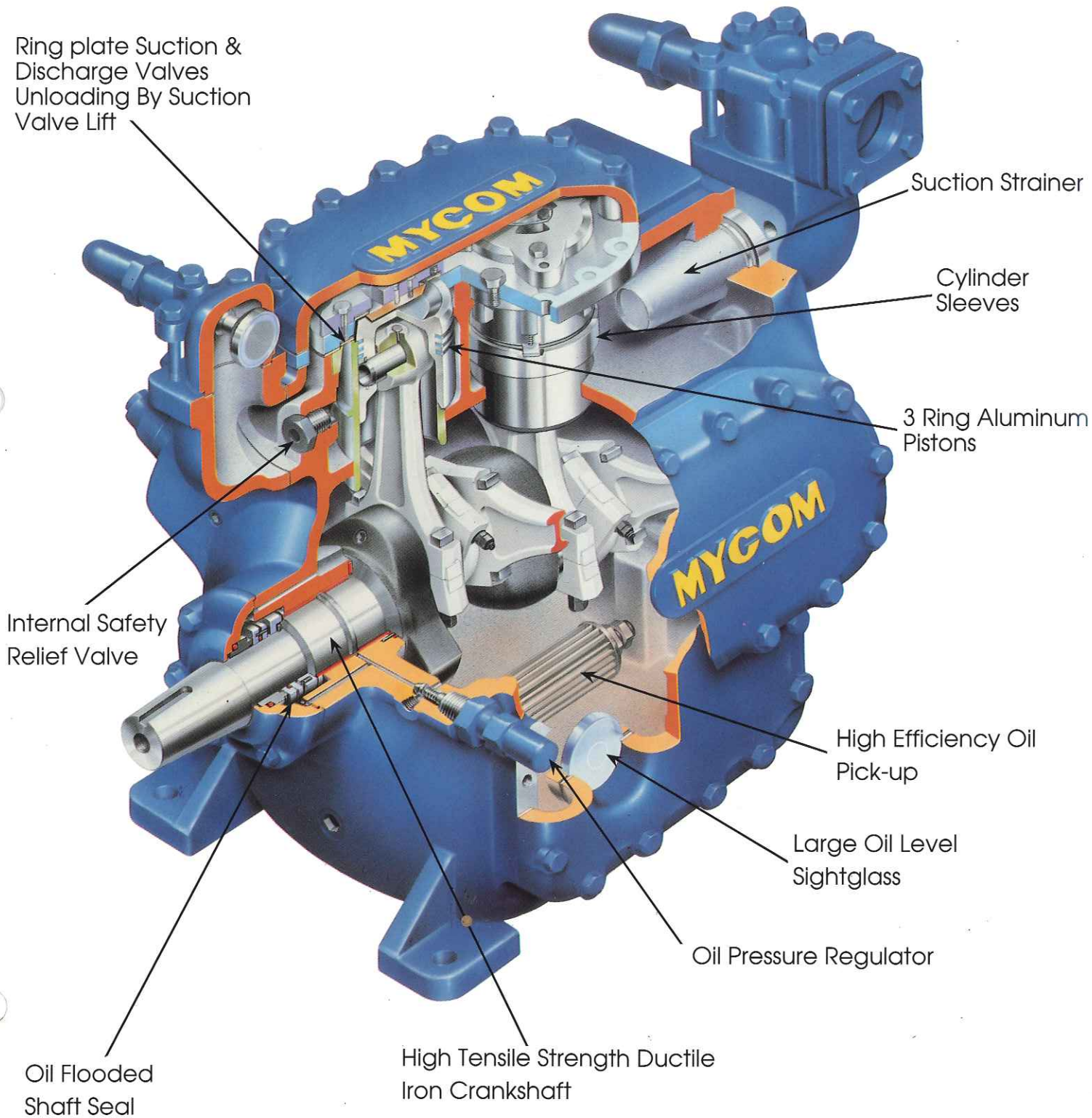
OPTIONS

- Coupling (*direct drive*)
- Flywheel (*belt drive*)
- Crankcase heater
- MYPRO- K microprocessor control panel with pressure transducers
- Oil separator
- Oil return kit
- By-pass oil filter
- DX oil cooler kit
- Hand tool kit



| MODEL | L | W | H | A | B | C | D | E |
|-------|-----------|-----------|-----------|----------|----------|----------|---------|----------|
| 4K | 28-1/16" | 22-14/32" | 23-5/32" | 9-1/16" | 11-1/32" | 8-17/64" | 8-7/64" | 6-13/16" |
| 6K | 28-15/32" | 25-1/32" | 24-39/64" | 9-1/16" | 11-1/32" | 8-17/64" | 8-7/64" | 6-13/16" |
| 8K | 30-1/32" | 25-29/32" | 26-7/32" | 9-27/32" | 11-1/32" | 8-17/64" | 9-1/16" | 6-13/16" |

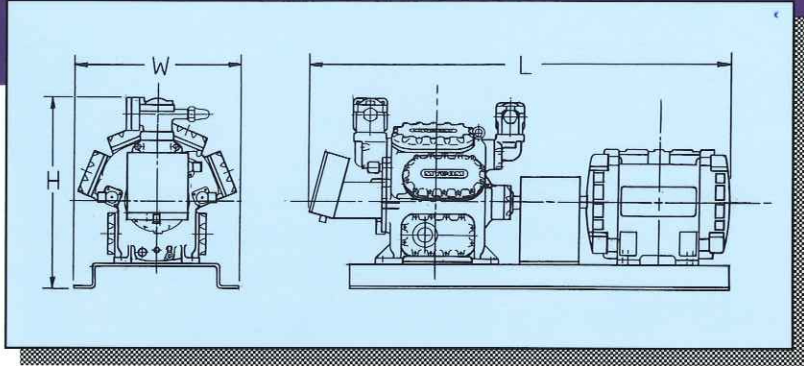
MYCOM "K" COMPRESSOR



COMPRESSOR UNITS

Direct Drive • R-22

| MODEL | DIMENSIONS | | | WEIGHT (LBS) |
|-------|------------|-----|-----|--------------|
| | L | W | H | |
| 4K | 64" | 26" | 29" | 900 |
| 6K | 64" | 26" | 29" | 970 |
| 8K | 64" | 28" | 31" | 1030 |



ITEMS INCLUDED

- Bare compressor • Coupling & guard • Crankcase heater • Oil charge (loose) •
- MYPRO- K microprocessor control panel with pressure transducers • Steel base • By-pass oil filter •

OPTIONS

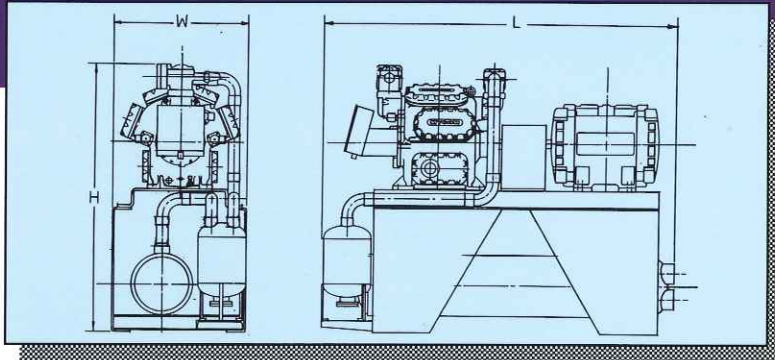
- DX oil cooler kit • Oil separator • Discharge check valve • Suction accumulator •
- Oil return float kit • Electric Motor • Motor starter •

NOTE: Please contact MYCOM office for belt drive units.

CONDENSING UNITS

Direct Drive • Water Cooled

| MODEL | DIMENSIONS | | | WEIGHT (LBS) |
|-------|------------|-----|-----|--------------|
| | L | W | H | |
| 4K | 72" | 29" | 56" | 1900 |
| 6K | 74" | 29" | 56" | 2300 |
| 8K | 76" | 29" | 58" | 2600 |



ITEMS INCLUDED

- Compressor unit • Shell & tube water cooled condenser • Oil separator • Electric motor •
- Oil charge • Steel base • By-pass oil filter •

OPTIONS

- DX oil cooler kit • Suction accumulator • Condenser water regulating valve •
- Flow switch • Liquid receiver • Motor starter •

PERFORMANCE TABLES FOR COMPRESSOR & CONDENSING UNITS

| COND TEMP | MODEL | 4K | | | | 6K | | | | 8K | | | | |
|-----------|-------|-----------|----------|-------|---------|----------|---------|---------|----------|---------|---------|----------|-----|---------|
| | | EVAP TEMP | CAP (TR) | BHP | THR MBH | CAP (TR) | BHP | THR MBH | CAP (TR) | BHP | THR MBH | CAP (TR) | BHP | THR MBH |
| 85 | -30 | 6.4 | 15.6 | 117.0 | 9.7 | 23.3 | 175.3 | 12.9 | 31.1 | 233.8 | | | | |
| | -20 | 9.6 | 18.9 | 163.2 | 14.4 | 28.3 | 244.6 | 19.2 | 37.7 | 326.1 | | | | |
| | -10 | 13.4 | 22.0 | 217.1 | 20.1 | 33.1 | 325.8 | 26.8 | 44.1 | 434.3 | | | | |
| | 0 | 18.0 | 25.0 | 280 | 27.1 | 37.5 | 420.0 | 36.1 | 50.0 | 560.1 | | | | |
| | 10 | 23.5 | 27.6 | 352.5 | 35.3 | 41.4 | 528.9 | 47.1 | 55.2 | 705.2 | | | | |
| | 20 | 30.0 | 29.7 | 435.8 | 45.0 | 44.6 | 653.8 | 60.0 | 59.4 | 871.6 | | | | |
| | 30 | 37.6 | 31.2 | 530.9 | 56.4 | 46.8 | 796.3 | 75.2 | 62.4 | 1,061.7 | | | | |
| 95 | 40 | 46.5 | 31.9 | 638.9 | 69.7 | 47.8 | 958.2 | 93.0 | 63.8 | 1,277.8 | | | | |
| | 50 | 56.7 | 31.7 | 761.3 | 85.1 | 47.5 | 1,141.8 | 113.4 | 63.3 | 1,522.3 | | | | |
| | -20 | 8.4 | 18.8 | 148.9 | 12.6 | 28.2 | 223.5 | 16.9 | 37.6 | 298.0 | | | | |
| | -10 | 12.1 | 22.5 | 202.3 | 18.1 | 33.7 | 303.3 | 24.2 | 44.9 | 404.3 | | | | |
| | 0 | 16.5 | 25.9 | 263.8 | 24.7 | 38.9 | 395.8 | 33.0 | 51.9 | 527.9 | | | | |
| | 10 | 21.8 | 29.1 | 335.1 | 32.6 | 43.7 | 502.8 | 43.5 | 58.2 | 670.2 | | | | |
| | 20 | 28.0 | 31.9 | 416.9 | 42.0 | 47.8 | 625.3 | 56.0 | 63.8 | 833.8 | | | | |
| 95 | 30 | 35.3 | 34.1 | 510.1 | 52.9 | 51.1 | 765.0 | 70.6 | 68.1 | 1,020.0 | | | | |
| | 40 | 43.8 | 35.6 | 616.0 | 65.7 | 53.3 | 923.7 | 87.6 | 71.1 | 1,231.8 | | | | |
| | 50 | 53.6 | 36.2 | 735.7 | 80.5 | 54.2 | 1,103.3 | 107.3 | 72.3 | 1,471.3 | | | | |

| COND TEMP | MODEL | 4K | | | | 6K | | | | 8K | | | | |
|-----------|-------|-----------|----------|-------|---------|----------|---------|---------|----------|---------|---------|----------|-----|---------|
| | | EVAP TEMP | CAP (TR) | BHP | THR MBH | CAP (TR) | BHP | THR MBH | CAP (TR) | BHP | THR MBH | CAP (TR) | BHP | THR MBH |
| 105 | -20 | 7.3 | 18.4 | 133.9 | 10.9 | 27.7 | 201.2 | 14.5 | 36.9 | 268.2 | | | | |
| | -10 | 10.7 | 22.6 | 186.4 | 16.1 | 33.9 | 279.6 | 21.5 | 45.2 | 372.7 | | | | |
| | 0 | 14.9 | 26.6 | 247.0 | 22.4 | 39.9 | 370.4 | 29.9 | 53.2 | 493.9 | | | | |
| | 10 | 20.0 | 30.4 | 317.0 | 29.9 | 45.5 | 475.1 | 39.9 | 60.7 | 633.6 | | | | |
| | 20 | 25.9 | 33.8 | 397.0 | 38.9 | 50.6 | 595.3 | 51.8 | 67.5 | 793.8 | | | | |
| | 30 | 32.9 | 36.7 | 488.3 | 49.4 | 55.0 | 732.3 | 65.8 | 73.3 | 976.3 | | | | |
| | 40 | 41.1 | 38.9 | 591.8 | 61.6 | 58.4 | 887.8 | 82.1 | 77.9 | 1,183.8 | | | | |
| 115 | 50 | 50.5 | 40.4 | 709.0 | 45.8 | 60.6 | 1,063.5 | 101.0 | 80.8 | 1,418.0 | | | | |
| | -20 | 6.1 | 17.8 | 118.5 | 9.2 | 26.7 | 177.8 | 12.2 | 35.6 | 237.0 | | | | |
| | -10 | 9.4 | 22.4 | 169.7 | 14.1 | 33.6 | 254.6 | 18.8 | 44.8 | 339.4 | | | | |
| | 0 | 13.4 | 26.9 | 229.1 | 20.1 | 40.4 | 343.7 | 26.8 | 53.9 | 458.4 | | | | |
| | 10 | 18.2 | 31.3 | 297.7 | 27.3 | 46.9 | 446.4 | 36.3 | 62.6 | 595.3 | | | | |
| | 20 | 23.8 | 35.3 | 375.9 | 35.8 | 53.0 | 564.0 | 47.7 | 70.7 | 752.1 | | | | |
| | 30 | 30.5 | 39.0 | 465.5 | 45.8 | 58.4 | 697.9 | 61.0 | 77.9 | 930.8 | | | | |
| 95 | 40 | 38.3 | 42.0 | 566.7 | 57.5 | 63.0 | 850.0 | 76.6 | 84.0 | 1,133.4 | | | | |
| | 50 | 47.4 | 44.3 | 681.1 | 71.1 | 66.4 | 1,021.6 | 94.7 | 88.6 | 1,362.3 | | | | |

NOTE: Suction Super Heat: 15°F
THR: Total heat rejection

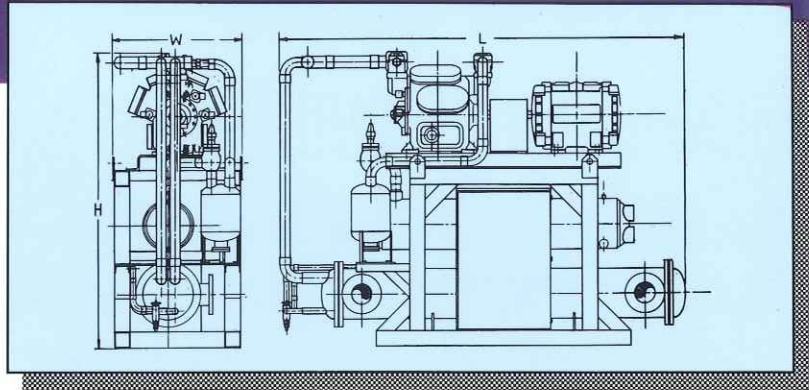
Liquid subcool: 15°F
DX Oil Cooler is required in shaded areas

Direct drive: 1750RPM

CHILLER UNITS

Direct Drive • Water Cooled • R-22

| MODEL KWC | COMPR MODEL | DIMENSIONS | | | WEIGHT (LBS) | CONNECTIONS | |
|--------------|----------------|------------|-----|-----|-----------------|-------------|------------|
| | | L | W | H | | CHILL | COND. |
| 35 | 4K | 104" | 33" | 74" | 3500 | 4" FLG | 2-1/2" FPT |
| 55 | 6K | 94" | 33" | 74" | 4100 | 4" FLG | 4" FLG |
| 70 | 8K | 106" | 33" | 76" | 4600 | 5" FLG | 4" FLG |
| 90 | 4K/6K | 142" | 35" | 76" | 7300 | 5" FLG | 5" FLG |
| 110 | 6K/6K | 144" | 35" | 76" | 7900 | 6" FLG | 5" FLG |
| 125 | 6K/8K | 145" | 35" | 78" | 8600 | 6" FLG | 5" FLG |
| 140 | 8K/8K | 145" | 35" | 78" | 9500 | 6" FLG | 6" FLG |



ITEMS INCLUDED

- Compressor unit • Water cooled condenser • DX chiller with accessories • Motor • Starter •
- Refrigerant charge • Oil charge • Control panel • Insulation •

OPTIONS

- DX oil cooler kit • Suction accumulator • Condenser water regulating valve •
- Flow switch • High efficiency motor •

NOTE: For more information, please contact your nearest MYCOM office. Glycol & brine chillers are available.

PERFORMANCE TABLE - MYKOLD "KWC" WATER CHILLER UNITS R-22

Cooling Water: 85°F IN 95°F OUT

| MODEL KWC | LWT (°F) | CAPACITY (TONS) | MOTOR (BHP) | EER | | CHILLER DT (EWT-LWT) | | | | | | COOLING WATER | |
|--------------|-------------|--------------------|----------------|--------------|-----------------|----------------------|------|-------|-----|-------|-----|------------------|-----|
| | | | | STD MOTOR | HI-EFF MOTOR | 8°F | | 10°F | | 12°F | | GPM | PD |
| | | | | | | GPM | PD | GPM | PD | GPM | PD | | |
| 35 | 48 | 38.6 | 38.5 | 14.5 | 15.2 | 115.8 | 6.6 | 92.6 | 4.3 | 77.2 | 3.0 | 112.3 | 2.5 |
| | 46 | 37.0 | 38.1 | 14.1 | 14.7 | 111.0 | 6.1 | 88.8 | 4.0 | 74.0 | 2.8 | 108.2 | 2.3 |
| | 45 | 36.2 | 37.9 | 13.8 | 14.4 | 108.6 | 5.9 | 86.9 | 3.8 | 72.4 | 2.6 | 106.2 | 2.2 |
| | 44 | 35.4 | 37.7 | 13.6 | 14.2 | 106.2 | 5.6 | 85.0 | 3.6 | 70.8 | 2.5 | 104.2 | 2.1 |
| | 42 | 33.8 | 37.2 | 13.2 | 13.7 | 101.4 | 5.1 | 81.1 | 3.3 | 67.6 | 2.3 | 100.1 | 2.0 |
| 55 | 48 | 58.0 | 57.8 | 14.7 | 15.3 | 174.0 | 9.0 | 139.2 | 5.8 | 116.0 | 4.1 | 168.6 | 2.4 |
| | 46 | 55.5 | 57.2 | 14.2 | 14.8 | 165.5 | 8.0 | 133.2 | 5.4 | 111.0 | 3.7 | 162.3 | 2.3 |
| | 45 | 54.3 | 56.8 | 14.0 | 14.6 | 162.9 | 7.7 | 130.3 | 5.2 | 108.6 | 3.6 | 159.3 | 2.2 |
| | 44 | 53.1 | 56.5 | 13.8 | 14.4 | 159.3 | 6.8 | 127.4 | 4.8 | 106.2 | 3.5 | 156.2 | 2.1 |
| | 42 | 50.7 | 55.8 | 13.3 | 13.9 | 152.1 | 6.2 | 121.7 | 4.5 | 101.4 | 3.1 | 150.1 | 1.9 |
| 70 | 48 | 77.3 | 77.1 | 14.7 | 15.3 | 231.9 | 12.2 | 185.5 | 8.2 | 154.6 | 5.8 | 224.8 | 3.4 |
| | 46 | 74.0 | 76.2 | 14.2 | 14.8 | 222.0 | 11.5 | 177.6 | 7.6 | 148.0 | 5.3 | 216.4 | 3.2 |
| | 45 | 72.4 | 75.8 | 14.0 | 14.6 | 217.2 | 11.0 | 173.8 | 7.2 | 144.8 | 5.1 | 212.4 | 3.0 |
| | 44 | 70.8 | 75.3 | 13.8 | 14.4 | 212.4 | 10.5 | 169.9 | 6.8 | 141.6 | 5.0 | 208.3 | 2.9 |
| | 42 | 67.7 | 74.4 | 13.3 | 13.9 | 203.1 | 9.2 | 162.5 | 6.3 | 135.4 | 4.6 | 200.4 | 2.8 |
| 90 | 48 | 96.6 | 96.3 | 14.6 | 15.2 | 289.8 | 9.5 | 231.8 | 5.8 | 193.2 | 4.1 | 280.9 | 1.2 |
| | 46 | 92.5 | 95.3 | 14.1 | 14.7 | 277.5 | 8.4 | 222.0 | 5.4 | 185.0 | 3.8 | 270.5 | 1.1 |
| | 45 | 90.5 | 94.7 | 13.9 | 14.5 | 271.5 | 7.9 | 217.2 | 5.2 | 181.0 | 3.7 | 265.4 | 1.0 |
| | 44 | 88.5 | 94.2 | 13.7 | 14.3 | 265.5 | 7.5 | 212.4 | 4.9 | 177.0 | 3.5 | 260.4 | 1.0 |
| | 42 | 84.5 | 93.0 | 13.2 | 13.8 | 253.5 | 6.8 | 202.8 | 4.5 | 169.0 | 3.3 | 250.2 | 0.9 |
| 110 | 48 | 116.0 | 115.6 | 14.7 | 15.3 | 348.0 | 9.4 | 278.4 | 6.2 | 232.0 | 4.3 | 337.3 | 1.6 |
| | 46 | 111.0 | 114.4 | 14.2 | 14.8 | 333.0 | 8.6 | 266.4 | 5.7 | 222.0 | 3.8 | 324.7 | 1.5 |
| | 45 | 108.6 | 113.6 | 14.0 | 14.6 | 325.8 | 8.2 | 260.6 | 5.5 | 217.2 | 3.6 | 318.5 | 1.4 |
| | 44 | 106.2 | 113.0 | 13.8 | 14.4 | 318.6 | 7.9 | 254.9 | 5.2 | 212.4 | 3.5 | 312.4 | 1.3 |
| | 42 | 101.4 | 111.6 | 13.3 | 13.9 | 302.4 | 7.3 | 243.4 | 4.7 | 202.8 | 3.1 | 300.2 | 1.2 |
| 125 | 48 | 135.3 | 134.9 | 14.7 | 15.3 | 405.9 | 6.3 | 324.7 | 4.3 | 270.6 | 3.0 | 393.4 | 1.3 |
| | 46 | 129.5 | 133.4 | 14.2 | 14.8 | 388.5 | 5.9 | 310.8 | 3.9 | 259.0 | 2.7 | 378.8 | 1.2 |
| | 45 | 126.7 | 132.6 | 14.0 | 14.6 | 380.1 | 5.7 | 304.1 | 3.7 | 253.4 | 2.6 | 371.6 | 1.1 |
| | 44 | 123.9 | 131.8 | 13.8 | 14.4 | 371.7 | 5.5 | 297.4 | 3.6 | 247.8 | 2.4 | 364.5 | 1.1 |
| | 42 | 118.4 | 130.2 | 13.3 | 13.9 | 355.2 | 5.0 | 284.2 | 3.3 | 236.8 | 2.2 | 350.5 | 1.0 |
| 140 | 48 | 154.6 | 154.2 | 14.7 | 15.3 | 463.8 | 8.0 | 371.0 | 5.5 | 309.2 | 3.8 | 449.6 | 1.4 |
| | 46 | 148.0 | 152.4 | 14.2 | 14.8 | 444.0 | 7.6 | 355.2 | 5.1 | 296.0 | 3.5 | 432.8 | 1.3 |
| | 45 | 144.8 | 151.6 | 14.0 | 14.6 | 434.4 | 7.3 | 347.5 | 4.8 | 289.6 | 3.3 | 424.7 | 1.2 |
| | 44 | 141.6 | 150.6 | 13.8 | 14.4 | 424.8 | 7.0 | 339.8 | 4.6 | 283.2 | 3.1 | 416.6 | 1.2 |
| | 42 | 135.4 | 148.8 | 13.3 | 13.9 | 406.2 | 6.5 | 325.0 | 4.3 | 270.8 | 2.8 | 400.8 | 1.1 |

COMPRESSOR: 1750RPM SH: 10°F SC: 10°F CHILLER APPROACH: 9°F FOULING FACTOR: 0.0005 FT²•H•F/BTU
 CHILLER FLOW: 8°F DT=3.0 GPM/TON 10°F DT=2.4 GPM/TON 12°F DT=2.0 GPM/TON
 EER = Energy Efficiency Ratio: +MBH/KW INPUT (Ref ARI 590-86) LWT = Chiller Leaving Water Temperature
 EWT = Chiller Entering Water Temperature PD = Water Pressure Drop (PSI)

Motor efficiency

| HP | STD | HI-EFF |
|----|------|--------|
| 40 | 0.90 | 0.94 |
| 60 | 0.91 | 0.95 |
| 75 | 0.91 | 0.95 |

MYCOM RESERVES THE RIGHT TO CHANGE, AT ANYTIME, DESIGNS OR SPECIFICATIONS WITHOUT NOTICE.