



# RC2-790A Screw Compressor-R134a

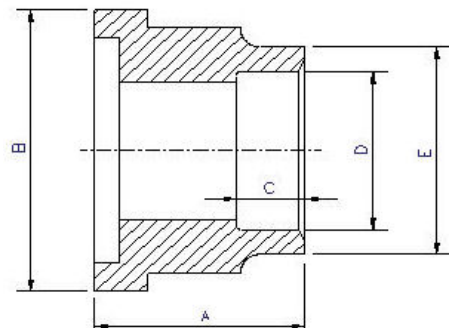
| Specifications                   |                      | Displacement                         | CFM   | 60 Hz | 560 |
|----------------------------------|----------------------|--------------------------------------|---|-------|-----|
| <b>Compressor</b>                | Rated Speed          | Rpm                                  | 60 Hz   | 3550  |     |
|                                  | Volume Ratio         | Vi                                   | 2.6 (standard other Vi available)   |       |     |
|                                  | Nominal Hp           | 175 Hp at 60 Hz                      |   |       |     |
|                                  | Capacity Control     | %                                    | 25%,50%,75% & 100% Step Capacity Control,<br>50%~100% Continuous Stepless Capacity Controls |       |     |
|                                  | Lubrication          | Differential Pressure Feed Lubricant |   |       |     |
|                                  | <b>Motor</b>         | Type                                 | 3 Phase, 2 Pole, Squirrel Cage, Induction Motor   |       |     |
| Insulation                       |                      | Class F                              |   |       |     |
| Protection                       |                      | 3 PTC Protection 1 per winding       |   |       |     |
| <b>Lubricant Charge</b>          | Gallons              | 7.4                                  |   |       |     |
| <b>Oil Heater</b>                | Watts                | 300                                  |   |       |     |
| <b>Hydrostatic Pressure test</b> | lb/in <sup>2</sup> G | 597                                  |   |       |     |
| <b>Weight</b>                    | Pounds               | 2513                                 |   |       |     |

## Standard Compressors Accessories

- Modulating Slide Capacity
- Weather Proof Terminal Box for outdoor applications
- 115/1/60 Control Voltage
- 115/1/60 Crankcase heater
- Discharge Check Valve
- Discharge Service Valve (Discharge Stop Valve) with standard connection sizes and supplied with flanges and bushings
- Suction Service Valve (Suction Stop Valves) with standard connection sizes and supplied with flanges and bushings
- Oil Level Float Switch
- Suction Filter
- Oil Filter
- PSI Relief Valve
- Oil Sight Glass
- PT1000 for Reading Motor Temp
- INT69HBY supporting motor and discharge (PTC) temperature sensor protection as well as Phase Loss and Phase Reversal at Start Up Only

## Ports

- External Oil Cooler
- Liquid Injection (into screw chamber)
- Economizer
- Suction, Discharge & Oil Service



## Connections

|                                   |                           |       |       |       |       |       |
|-----------------------------------|---------------------------|-------|-------|-------|-------|-------|
| <b>Discharge Stop Valve</b>       | 4"                        |       |       |       |       |       |
| <b>Discharge Check Valve</b>      | 4"                        |       |       |       |       |       |
| <b>Suction Stop Valve</b>         | 5"                        |       |       |       |       |       |
| <b>Economizer</b>                 | 1 1/8" solder             |       |       |       |       |       |
| <b>Liquid Injection (chamber)</b> | 5/8" flare                | A     | B     | C     | D     |       |
| <b>Discharge Side</b>             | Copper Pipe Sizing 4 1/8" | 2.99" | 5.71" | 1.97" | 4.14" | 4.56" |
| <b>Suction Side</b>               | Copper Pipe Sizing 5 1/8" | 2.95" | 6.85" | 1.38" | 5.14" | 5.77" |

## MCC & LRA

Optimized for R134a

| Hertz | Volts | Maximum Continuous Current | Y-Δ                   |                       |
|-------|-------|----------------------------|-----------------------|-----------------------|
|       |       |                            | Locked Rotor Amps (Y) | Locked Rotor Amps (D) |
| 60    | 460   | 402                        | 498                   | 1495                  |