

SMC SERIES



2-40 hp Portable Chillers



ADVANCED TECHNOLOGY FOR ENHANCED PERFORMANCE

Sterling has expanded its line of SMC Series Portable Chillers to capacities up to 40 hp. SMC Series Air, Water, and Remote Air Cooled Chillers from Sterling provide 2 to 40 ton cooling capacities with very compact footprints. These chillers feature a unique enclosure design that simplifies service and maintenance, and conserves valuable production floor space. Incorporate these SMC Chillers into your planned or existing production layout easily and effectively.

2 through 30 hp models feature hermetic scroll compressors, which provide low noise and high reliability because there are fewer moving parts, reduced rotating mass and less internal friction than reciprocating compressors. They also come with brazed plate evaporators and polyethylene reservoirs up to 80 gallons. 40 hp models feature semi-hermetic discus compressors with cylinder unloading, shell & tube evaporators, and 80 gallon stainless steel reservoirs.

All SMC Series Chillers have an operating leaving water temperature range of 35 to 65°F. They feature an advanced off-the-shelf microprocessor-based controller with To Process and Set Point LED readouts, for fast, simple programming.

Features

- Easy access panels
- 1 year compressor and labor warranty; 2 year parts warranty; 3 year limited controller warranty
- NEMA 12 electrical enclosure
- Low rpm blower designed to reduce noise (20 - 30 hp)
- Non-fused disconnect switch with single point power connection
- Branch motor fusing
- "Y" strainer on process water line to evaporator
- 1/16 DIN PID auto-tuning, off-the-shelf modular controller is accurate to within +/- 1°F
- Stamped, stainless steel, horizontally mounted pump assures reliability
- Non-ferrous piping (2 - 30 hp)
- Air-cooled units feature aluminum fin/copper tube condensers with easy on/off, washable air filters
- Water-cooled units equipped with water regulating valves. 2-7.5 hp units have tube-in-tube condensers; 10-40 hp units have cleanable shell and tube condensers

Options

- Automatic water makeup valve
- Audible/visual alarm
- Other options available

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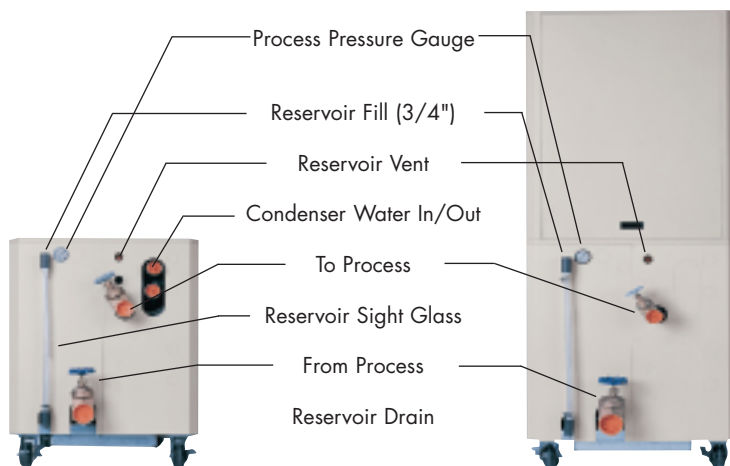
2-40 hp Portable Chillers



| Model Number | | SMCA-, SMCW-, SMCR- | | | | | | | | | |
|--------------------------|------|---------------------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| | | 2 | 3.5 | 5 | 7.5 | 10 | 15 | 20 | 25 | 30 | 40 |
| Dimensions (in inches) | SMCA | Height | 49.66 | | 82.33 | | | 91.43 | | | N/A |
| | | Width | 22.0 | | 34.00 | | | | | | |
| | | Depth | 41.68 | 54.74 | | 74.74 | | 100.73 | | | |
| | SMCW | Height | 28.31 | | 44.01 | | | 45.14 | | | 59.87 |
| | | Width | 22.0 | | 34.00 | | | | | | |
| | | Depth | 41.68 | 54.74 | | 74.74 | | 100.73 | | | |
| | SMCR | Height | N/A | | 40.90 | | | 43.30 | | | |
| | | Width | N/A | | 34.00 | | | | | | |
| | | Depth | N/A | 48.50 | | 68.60 | | 100.70 | | | |
| Shipping weight (in lbs) | SMCA | 417 | 440 | 1,047 | 1,097 | 1,570 | 1,653 | 2,605 | 2,648 | 2,910 | N/A |
| | SMCW | 365 | 390 | 785 | 880 | 1,175 | 1,250 | 1,745 | 1,930 | 2,135 | 2,930 |
| | SMCR | N/A | N/A | 748 | 794 | 1,052 | 1,095 | 1,549 | 1,555 | 1,857 | 2,470 |

¹ Depth includes piping extending out of the back of the chiller.

Contact factory for detailed information on remote condensers.
ALL DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE



PRODUCT. PERFORMANCE. EXCELLENCE.

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