



Description

General

Incorporating Permanent Magnet AC technology for reduced weight and footprint, this direct coupled system generates 7.7 SCFM at 145 PSI of oil-less air.

Standard Features

- Air cooled oil-less scroll pump
- TEFC PMAC Motor
- Air to air aftercooler
- Integrated inverter with control capabilities
- Transportation grade isolator mounts
- Intake air filter with restriction indicator.
- Size Envelope: 18" X 31" X 13.25"

Oil-less Scroll Pump Technology

Our innovative scroll technology is completely oilless, extremely quiet, and energy efficient. The scroll pump has few moving parts, making it reliable and easier to maintain. The self-lubricating tip seals and absence of a gearbox means the pump is truly 100% oil free. As the leaders in scroll pump technology, our latest design incorporates several innovative features:

- Main bearings are housed in durable cast iron instead of aluminum which prevents fretting and premature failure of bearing race. This pump can be operated at 100% duty cycle.
- The patented bearing re-grease feature has been improved to allow maintenance from the front side of the pump, cutting service time in half.
- The patented tip seal design yields the highest flow rates and longevity of any other dry scroll compressor.
- The improved efficiency and cooling results in lower operating temperatures.
- Extremely low vibration.

Oil-less Scroll Basemount Transportation Compressor System Specification

Model	HP	Max PSIG	Intake CFM @ Max Pres	Voltage	Weight (lbs)	Relief Valve Pres	Ambient Temp	Discharge Temp
SDCHS0300J1SD14	3	145	7.7	500-750 VDC	120	165	-40°F to 140°F With Cold Package	≤ 20°F Over Ambient
SDCSS0300J1SD15		116	8.8			140		