



General Description

Incorporating Permanent Magnet AC technology for reduced weight and footprint, this direct coupled system generates 13.3 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

Oil-less Scroll Pump Technology

Our innovative scroll technology is completely oil-less, 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 the bearing race. This pump can be operated at 100% duty with confidence.
- 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	SCFM @ Max PSIG	Voltage	dB(A) Level	Weight (lbs)	Relief Valve Pressure (PSI)	Ambient Temperature	Discharge Air Temperature
SDCHS0500J1SD01	5	145	13.3	500-750 VDC		150	165	<ul style="list-style-type: none"> • Rated at 104°F for continuous operation • Up to 30% duty cycle at 140°F • Cold package option expands operating range down to -40°F 	Maximum discharge air temperature is +75°F above ambient temperature (with inclusion of Powerex after-cooler)