



**General Description**

To generate 12.5 SCFM at 145 PSI, this belt driven system incorporates a TEFC AC induction motor with an oil-less rotary scroll pump.

**Standard Features**

- Air cooled oil-less scroll pump
- TEFC motor
- Air to air aftercooler
- Belt guard
- 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
SBBHS050000SD04	5	145	12.5	208/230 (3 PH, 60 Hz)	71	170	165	<ul style="list-style-type: none"> <li>• Rated at 104°F for continuous operation</li> <li>• Up to 30% duty cycle at 140°F</li> </ul>	Maximum discharge air temperature is +75°F above ambient temperature (with inclusion of Powerex after-cooler)