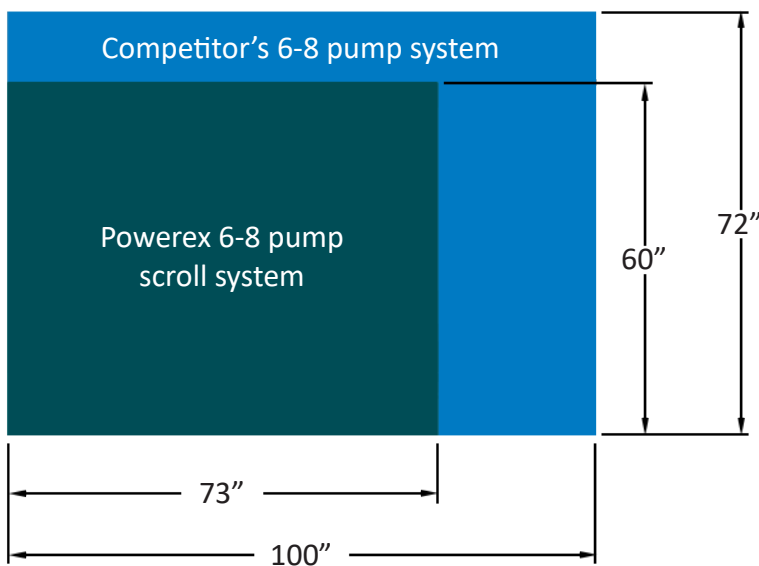


POWEREX™



Laboratory Air Compressor Systems

Powerex designs and manufactures laboratory air systems in the U.S.A.



BEST IN CLASS FOOTPRINT

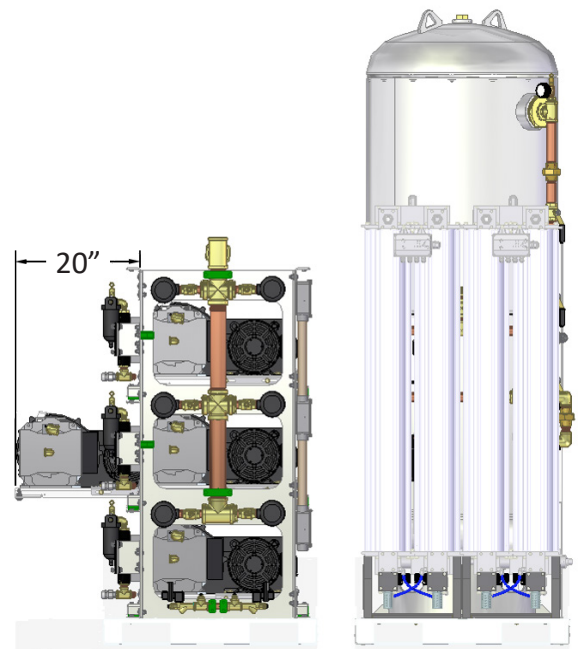
Our newly redesigned and upgraded space-saving open scroll compressors feature the smallest available footprint on the market, allowing for flexibility of hospital design and ease of installation.

- Up to 39% less footprint than leading competitor
- Systems designed to fit through 36" door

EASILY SERVICEABLE

Our compressors are low maintenance, energy efficient, and easily serviceable.

- Patented Service Slide
- Common service items easily accessible
- Basemount extends 20" from rack



SCROLL 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 100% oil free.



WhisperAIR™ SOUND ENCLOSURE CABINET

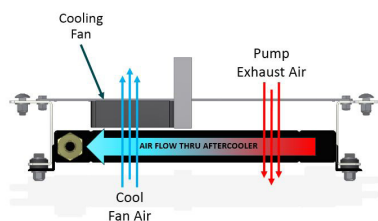
Powerex's trademarked oil-free enclosure systems offer the lowest noise levels in the industry. Each system is packaged in a rigid steel frame with powder coated panels and lined with sound-deadening insulation. The low noise levels are unmatched in the industry and allow installation at the point of use, while the small footprint simultaneously maximizes floor space.



PATENT-PENDING AFTERCOOLER

New patent-pending hybrid cooling method on heat exchanger.

- 16°F approach temperature
- Improved dryer life
- Efficient dryer sizing



LABORATORY AIR SYSTEMS SPECIFICATIONS

Open Scroll Systems							
Model	SCFM @ 145 PSIG	HP	Tank (gal.)	Model	SCFM @ 145 PSIG	HP	Tank (gal.)
Duplex Sysytems				Quadplex Systems			
LSD02A3	9.2	2 (2)	80	LSQ05A4	50	5 (4)	120
LSD03A3	14.2	3 (2)	80	LSQ0755	68	7.5 (4)	200
LSD05A3	25	5 (2)	80	LSQ10A5	100	10 (4)	200
LSD0754	34	7.5 (2)	120	LSQ10B5	98	10 (4)	200
LSD10A4/5	50	10 (2)	120/200	LSQ15A5/6	150	15 (4)	200/240
LSD10B4	49	10 (2)	120	Pentaplex Systems			
LSD15A5/6	75	15 (2)	200/240	LSP15A5/6	187.5	15 (5)	200/240
LSD15B5	68	7.5 (4)	200	Hexaplex Systems			
LSD2005	98	10 (4)	200	LSH05A4	75	5 (6)	120
Triplex Systems				LSH15A5/6	225	15 (6)	200/240
LST05A3	37.5	5 (3)	80	Octoplex Systems			
LST05A4	37.5	5 (3)	120	LSO05A5	100	5 (8)	200
LST0755	51	7.5 (3)	200				
LST10A5	75	10 (3)	200				
LST10B5	73.5	10 (3)	200				
LST15A5/6	112.5	15 (3)	200/240				

NOTE: SCFM values for open scroll systems are shown with all pumps running

Enclosed Scroll Systems			
Model	SCFM @ 100 PSIG	HP	Tank (gal.)
Simplex Systems			
LSE1003*	15.2	10	80
LSE1504*	30.4	15	120
LSE2005*	45.6	20	200
LSE3005**	60.8	30	200
LSE4005**	91.2	40	200
Duplex Systems			
LSED3006**	121.6	30 (2)	240
LSED4006**	182.4	40 (2)	240

*SCFM values shown with one pump in reserve

** SCFM values shown with two pumps in reserve per enclosure

LABORATORY AIR COMPRESSOR SYSTEMS

All systems are manufactured in ISO 9001:2015 certified facilities and certified ISO 8573-1:2010 "Class Zero" for oil content.

DESIGN FEATURES

- ASME receiver
- UL508A control panel
- New patent-pending hybrid cooling method on heat exchanger for approach temperatures of 16°F
- All interconnecting piping and wiring
- Vibration isolation pads and flex connectors
- Built in redundancy in multiplex systems
- Manufactured in ISO 9001:2015 UL certified facilities

CONFIGURATION TYPES



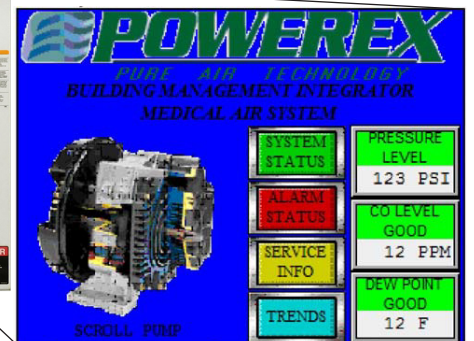
Skidmount



Enclosed

STANDARD PREMIUM CONTROL PANEL

- PLC controller and 6" color HMI (Human Machine Interface) touch screen displays the operating status of the unit
- UL508A listed and labeled, NEMA 4/12 enclosure
- Visual and audible alarms for:
 - System overload trip
 - High temperature conditions
 - Service intervals
- Panel door includes:
 - Visual and audible alarms
 - HOA switch for each pump
- Building automation gateway with BacNet® protocol
- Email notifications for alarms and service alerts



For more information contact your local Powerex distributor or Powerex sales representative today



The leader in oil-free air technology



POWEREX™

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Powerex is a proud manufacturer of ISO 8573-1:2010 “Class Zero” oil-free compressed air systems using oil-less scroll and oil-free rotary tooth technology. Powerex is located just outside of Cincinnati, OH, and is a leading manufacturer of oil-less compressed air and vacuum systems for medical gas, laboratory, and critical-process industrial applications. We are an ISO 9001:2015 manufacturing facility that is able to provide complete air systems including tanks, UL508A control panels, and dryers. Contact Powerex today to match you with the right compressor for your application.