SULLAIR

SULLAIR MID-RANGE SERIES

Portable Lubricated Rotary Screw Air Compressors

800–1100 cfm at 100–200 psi ▪ 22.7–33.1 m³/min at 7–13.8 bar

Tier 4 Final

BEST-IN-CLASS FUEL EFFICIENCY

COVERS THE JOBS OF UP TO 9 COMPRESSORS

THE ULTIMATE IN VERSATILITY, EFFICIENCY AND DURABILITY

Built to take on any job with a wide range of pressure and flow options, the Sullair Mid-Range Series is engineered to be among the most versatile and efficient portable compressors on the market.

1. **Sullair 23-Series Variable Capacity Air End with Electronic Spiral Valve Technology**
   - For maximum efficiency and reliable operation

2. **7˝ Sullair Touch Screen (STS) Controller**
   - For easy control at the touch of a finger

3. **Highway Towable, Single-Axle Running Gear**
   - For easy towing and maneuverability
   - Less running gear also available

4. **Easy-Operation External Fuel & DEF Ports**
   - Quick and easy fuel and DEF fills means more working time

5. **Multiple Service Doors with Robust Push to Close Latches**
   - Provides easy access to all service components and helps increase worker safety

6. **Caterpillar engine shown**
   - Perkins engine also available

FEATURES AND BENEFITS

Engineered for Efficiency

- Sullair 23-Series Variable Capacity Air End
  - Designed with internal fluid porting to help minimize leaks
  - Engineered with fewer parts to help decrease part wear
- Sullair Electronic Spiral Valve Technology
  - Helps maximize fuel efficiency and extend run times by matching air supply to demand

Customize Your Compressor

- DLQ — Less running gear
- Aftercooled & filtered with integrated condensate management system
- Refinery package
- Cold weather package
- Telematics
  - AirLinx®
  - LoJack® Anti-Theft Recovery Device
- Solar battery charger

Designed for Ease of Use

- Nearly infinite combinations of pressure and flow options which can be changed quickly and easily
- State-of-the-art 7″ Color Sullair Touch Screen (STS) Controller allows easy control at the touch of a finger — even with gloves on!
  - Easy-to-set pressure and flow screens
  - Controls Electronic Spiral Valve
  - In-depth compressor and engine performance information

Compact and Durable Package

- Galvannealed sheet metal canopy with upgraded paint helps improve corrosion resistance to stand up to harsh environments
- Highway towable running gear
- Multiple service doors with robust push to close latches
  - Easy serviceability and maintenance
  - Helps prevent unintended door closure — helping increase worker safety
- Strong fork pockets
- Single-point lift bail
- IP-65-rated electrical enclosures for harsh environments and easy cleaning

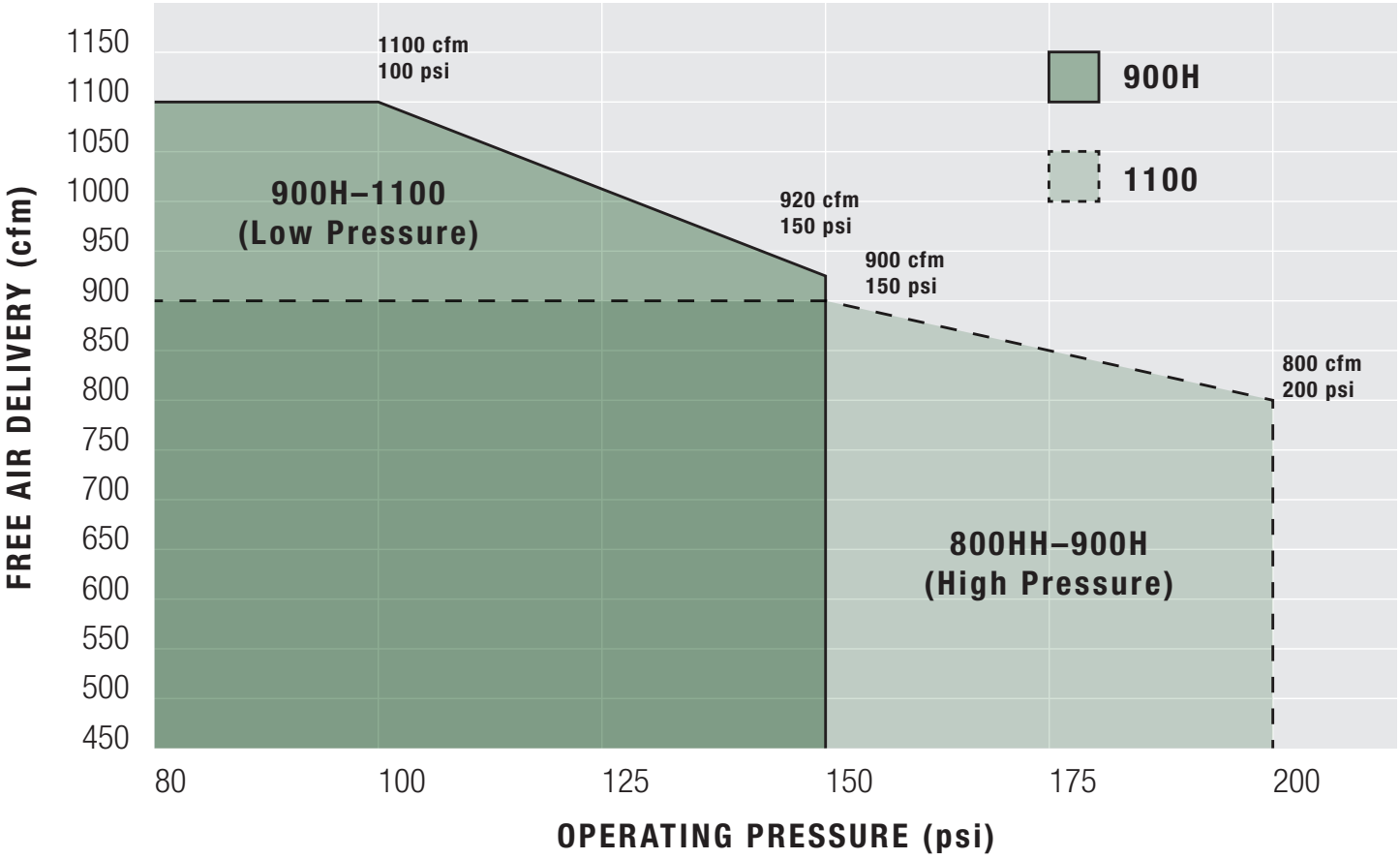
Multiple Tier 4 Final Engine Options

- Caterpillar 7.1L Diesel or Perkins 1206J Diesel
  - Small package size and advanced fuel system help improve fuel efficiency
  - Clean engine module for reduced noise
  - Long service intervals — 500 hours

HIGH-DENSITY POWER IN A SMALLER PACKAGE

HIGH/LOW—THE MID-RANGE SERIES COVERS THE SPREAD

800–1100 cfm at 100–200 psi ▪ 22.7–33.1 m³/min at 7–13.8 bar



THE SULLAIR TOUCH SCREEN CONTROLLER PROVIDES THE ULTIMATE IN USER CONTROL

Designed for use on the jobsite, the STS controller offers easy control at the touch of a finger — even with gloves on!

- Easily set pressure and flow options
- Controls Electronic Spiral Valve
- Provides in-depth compressor and engine performance information
- Full color, digital displays
- QR Code provides access to additional compressor information

COVERS THE JOBS OF UP TO 9 COMPRESSORS

PIPELINE WORK ▪ ABRASIVE BLASTING ▪ CONSTRUCTION ▪ SHIPYARDS
FIBER OPTICS INSTALLATION ▪ AND MORE!

ALL THE AIR YOU NEED. NONE YOU DON'T.

SULLAIR ELECTRONIC SPIRAL VALVE TECHNOLOGY

The Sullair Mid-Range Series features Electronic Spiral Valve Technology. This technology helps with fuel efficiency by matching compressor displacement to demand. The increased ability to control air output — especially in varying load conditions — helps extend working time and reduce the frequency of fuel fill-ups.

Using the STS Controller, you can easily program the Electronic Spiral Valve to help compress only the air you need!

VARIABLE CAPACITY AIR END

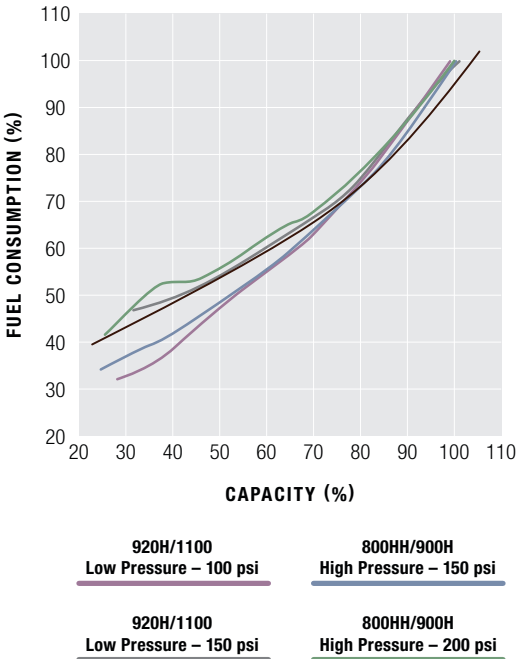
The 23-Series Sullair Air End is a variable capacity air end equipped with specially engineered openings (bypass ports) along the length of the air end casting. Compression volume is varied to suit air demand by progressively opening or closing these bypass ports by means of a rotating spiral valve.

- Closed bypass ports mean 100% of air capacity is being compressed
- As the bypass ports open, less air is compressed

ELECTRONIC SPIRAL VALVE BENEFITS

- Helps maximize fuel efficiency and extend run time
- Allows nearly infinite combination of pressure and flow options to meet the needs of different applications
- Provides superior start-up in cold weather and high altitude applications
- Helps extend compressor durability
  - Control scheme eliminates the need for regulators
  - Reduced parasitic load at start-up means less wear and tear on the air end, helping extend useful life

MID-RANGE FUEL CONSUMPTION VS. CAPACITY



SULLAIR SPIRAL VALVE EXPERTISE

- 30 YEARS INDUSTRIAL SPIRAL VALVE EXPERIENCE
- 15 YEARS SPIRAL VALVE EXPERIENCE IN PORTABLE COMPRESSOR APPLICATIONS
- 3+ YEARS ELECTRONIC SPIRAL VALVE EXPERIENCE

CLOSED BYPASS PORTS

When the bypass ports are closed, the full compression chamber is used.

PARTIALLY OPEN BYPASS PORTS

With the bypass ports partially open — the compression chamber is shortened. Less intake air is fully compressed — saving fuel.

OPEN BYPASS PORTS

Fully open bypass ports further shorten the compression chamber providing maximum turndown.

** Class defined as air compressors producing 750 and/or 900 cfm at 150 psi. Analysis based on available published industry fuel consumption data.*

ABOUT SULLAIR

For more than 50 years, Sullair has been on the leading edge of compressed air solutions. We were one of the first to execute rotary screw technology in our air compressors, and our machines are famous all over the world for their legendary durability. As the industry moves forward, Sullair will always be at the forefront with quality people, innovative solutions, and air compressors that are built to last.

Sullair was founded in Michigan City, Indiana in 1965, and has since expanded with a broad international network to serve customers in every corner of the globe. Sullair has offices in Chicago and manufacturing facilities in the United States and China — all ISO 9001 certified to ensure the highest quality standards in manufacturing. In addition, the Sullair Suzhou facility is ISO 14001 and OHSAS 18001 certified.

Sullair is A Hitachi Group Company.

RELIABILITY.
DURABILITY.
PERFORMANCE.

These are the pillars that drive the quality of Sullair compressed air solutions. It's a promise we keep with every machine we make.

RELIABILITY

Customers who work with Sullair have found that the intangibles make all the difference — things like trust, confidence, and peace of mind. They go to work every day having full faith in their equipment, as well as the knowledge that dedicated distributors and Sullair personnel have their back every step of the way.

DURABILITY

Bulletproof. Built to last. However you spin it, Sullair compressed air solutions are in it for the long haul, driven by the design of the legendary air end. In factories and shops all over the world, you'll find Sullair compressors that have stood the test of time, running consistently today like they did on day one.

PERFORMANCE

Sullair is constantly innovating to improve performance. For our portable compressors, this means machines engineered with features designed to help maximize your business potential including:

- Compact designs for easier storage and maneuverability
- Increased energy efficiency to maximize run time
- And our larger compressors include easy access connections to external fuel sources making long-term operation possible

TECHNICAL SPECIFICATIONS

FOR MORE INFORMATION, CONTACT YOUR LOCAL AUTHORIZED SULLAIR DISTRIBUTOR.

PERFORMANCE				
	800HH/900H		920H/1100	
Actual Delivery *cfm (m³/min)*	800 (22.7)	900 (25.5)	920 (26.1)	1100 (31.1)
Rated Pressure *psi (bar)*	200 (13.8)	150 (10.3)	150 (10.3)	100 (7)
Pressure Range, min *psi (bar)*	80 (5.5)		80 (5.5)	
Pressure Range, max *psi (bar)*	200 (13.8)		150 (10.3)	
Service Valves No. & (Size)	1 (3") & 1 (¾")			
Compressor Fluid Type	AWF®			
Compressor Discharge Shutdown Temp. *°F (°C)*	250 (121)			
Compressor Fluid Capacity *gal (l)*	21 (79)			
Maximum Operating Altitude *ft (m)*	12,000 (3658)			
Maximum Operating Tilt	15°			
Sound Level (U.S. EPA) *dBA @ 7 meters*	76			
Ambient Temp Rating *°F (°C)*	-20 to 125 (-29 to 52)			
Fuel Consumption Full Load *gph (l/h)*	13.2 (50)	12.5 (47.3)	12.2 (46.2)	12.8 (48.5)

ENGINE	
Engine Make & Model	CAT 7.1L Diesel & Perkins 1206J Diesel
Emission Level	T4F/Stage V
Displacement *in³ (l)*	433 (7.1)
Cylinder	6
Bore × Stroke *in (mm)*	4.13 x 5.31 (105 x 135)
Operating Speed *rpm*	2100
Minimum Idle Speed *rpm*	1200
Available Power *bhp (kW)*	302 (225)
Radiator System Capacity *gal (l)*	17.2 (65)
Engine Water Shutdown Temp. *°F (°C)*	226 (108)
Engine Oil Capacity *qts (l)*	4.5 (17)
Fuel Tank Capacity *gal (l)*	145 (549)
Electrical System Voltage	24
Battery Rating - CCA	(4D) 1000
DEF Consumption % of Fuel	4%
DEF Capacity *gal (l)*	13.8 (52.2)

DPQ PACKAGE	
Working Weight *lbs (kg)*	11,750 (5330)
Dry Weight *lbs (kg)*	10,470 (4749)
Length *in (mm)*	192 (4868)
Width *in (mm)*	91 (2312)
Height *in (mm)*	88 (2235)
Track Width *in (mm)*	81.5 (2071)
Max Towing Speed *mph (km/h)*	65 (104)
Axle Rating *lbs (kg)*	12,000 (5443)
Tire Size	245/70R 17.5
Tire Pressure *psi (bar)*	125 (8.6)
Wheel Size	17.5
Lug Nut Torque *lb-ft (Nm)*	300 (407)

DLQ PACKAGE	
Working Weight *lbs (kg)*	10,810 (4903)
Dry Weight *lbs (kg)*	9530 (4323)
Length *in (mm)*	158 (4017)
Width *in (mm)*	86 (2182)
Height *in (mm)*	77 (1951)

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