



PORTABLE AIR POWER

— UNITED STATES —
& CANADA





WHY SULLAIR?

Air Compressors Built to Last

Reliability

Customers who work with Sullair compressors have found 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 they have access to true compressor experts ready to support them every step of the way.

Durability

Bulletproof. Built to last. However you describe it, Sullair compressors are in it for the long haul, driven by the design of the legendary Sullair air end. At jobsites all over the world — from construction to mining and more — you'll find Sullair compressors that have stood the test of time, running consistently today like they did on day one.

Performance

You have high expectations for your operations, and we make machines that share your work ethic. Sullair portable compressors get the job done with the innovations you need: compact design for enhanced maneuverability; improved fuel efficiency for extended run times. And the Sullair Electric line provides environmentally-friendly solutions suitable for use outdoors and in!

SULLAIR PORTABLE AIR POWER EQUIPMENT

Your Complete Resource for Portable Air Power Solutions

Inside Your Comprehensive Guide:

- Detailed specs for products in our portable line
- Standard features and additional options for each model
- Information on the Sullair Certified REMAN program
- Air consumption altitude multipliers, pressure loss calculators and other key tools

185 FAMILY

Rotary Screw Compressor — Tier 4 Final Compliant



SULLAIR 185

185 cfm at 100 psi — 5.2 m³/min at 7 bar



SULLAIR 185

Featuring Single Hose Reel



SULLAIR 185

Featuring Double Hose Reel



SULLAIR 185 DLQ

Compact, Maneuverable and Efficient Package

- Available with or without highway towable running gear
- Sullair 14-series air end with integrated leak-free design and direct drive
- LED tail and turn lights standard
- Compressor discharge temperature, low fuel shut down, and air filter maintenance indicators standard
- 27-gallon onboard fuel tank for extended operation — up to 10 hours
- Independent rubber torsion suspension
- Axle offers convenient wheel bearing lubrication through zerk fittings
- 3" square drawbar including adjustable height hitch and screw jack with pad
- Transport security chains
- Pneumatic inlet valve and unloaded starting

Corrosion Resistant Clam Shell Canopy

- Canopy opens fully with gas assist springs
- Serviceable components within easy reach, simplified routine maintenance
- Galvannealed sheet metal with composite end caps and fenders
- Stainless steel hinges and latches, plated fittings and hardware
- Durable, baked-on powder coat finish

Curbside Controller with Gauge and LCD Graphic Display include:

- | | |
|--|----------------------------------|
| ■ Discharge pressure and temperature | ■ Fuel pressure and temperature |
| ■ Ambient air temperature | ■ Percent engine load |
| ■ Engine speed | ■ Engine air temperature |
| ■ Hours of operation | ■ Engine oil pressure |
| ■ Voltage | ■ Compressor and engine status |
| ■ Engine coolant temperature and level | ■ Tachometer |
| ■ Fuel level and usage rate | ■ Engine diagnostic service port |

Two-Stage Dry Type Air Filters

- Separate filters for engine and compressor

Dual Fuel Filtration System

- Primary fuel/water separator with transparent bowl and water drain
- Secondary fuel filter

AWF® Compressor Fluid

- All-weather, all-climate fluid

Options

- Electric brakes
- Cold weather package to -20°F / -29°C
- Hose and hose reel
- Extended drawbar
- Telematics
 - AirLinx® subscription

Warranty

- 1-year standard warranty
- 2-year standard air end warranty
- 5-year or 10,000-hour air end warranty when continuously serviced at the recommended intervals with Sullair AWF compressor fluid and filters
- 2-year or 2000-hour CAT engine warranty
- 3-year or 3000-hour Kubota engine warranty

Clean and Quiet Operation

- Meets US EPA Tier 4 Final emissions requirements
- Meets US EPA sound requirements of 76 dBA @ 7 meters

MODEL	185 (T4F/STAGE V)	185 (T4F)
PERFORMANCE		
Actual Delivery <i>cfm (m³/min)</i>	185 (5.2)	185 (5.2)
Rated Pressure <i>psi (bar)</i>	100 (7)	100 (7)
Pressure Range, min <i>psi (bar)</i>	80 (5.5)	80 (5.5)
Pressure Range, max <i>psi (bar)</i>	125 (8.6)	125 (8.6)
Fuel Consumption 100% Load <i>gph (l/h)</i>	2.8 (10.6)	2.7 (10.2)
Max. Operating Altitude <i>ft (m)</i>	9840 (3000)	9000 (2743)

ENGINE		
Make & Model	CAT C2.2	KUBOTA1803
Operating Speed <i>rpm</i>	2720	2720
Available Power <i>bhp (kW)</i>	49 (36.5)	49 (36.5)
Displacement <i>in³ (l)</i>	135 (2.13)	111 (1.82)
Cooling System Capacity <i>gal (l)</i>	2.6 (9.8)	2.75 (10.4)
Engine Oil Capacity <i>qts (l)</i>	7.6 (7.1)	7.3 (6.9)
Fuel Tank Capacity <i>gal (l)</i>	27 (102)	27 (102)
Electrical System Voltage	12	12
Battery Rating <i>CCA</i>	1000	1000

COMPRESSOR		
Service Valves <i>No./Size in (mm)</i>	2 1/4" (19.05)	2 1/4" (19.05)
Compressor Oil Capacity <i>gal (l)</i>	2.1 (7.9)	2.1 (7.9)

DPQ PACKAGE — INCLUDES RUNNING GEAR		
Working Weight <i>lbs (kg)</i>	2275 (1032)	2175 (987)
Dry Weight <i>lbs (kg)</i>	2060 (934)	1960 (889)
Length <i>in (mm)</i>	131 (3327)	131 (3327)
Length with Extended Drawbar Option: <i>in (mm)</i>	149 (3788)	149 (3788)
Width <i>in (mm)</i>	59 (1499)	59 (1499)
Height <i>in (mm)</i>	58 (1473)	58 (1473)
Track Width <i>in (mm)</i>	51 (1295)	51 (1295)
Max Towing Speed <i>mph (km/h)</i>	55 (89)	55 (89)
Axle Rating <i>lbs (kg)</i>	3700 (1678)	3700 (1678)
Tire Size	ST175/80D13	ST175/80D13

DLQ PACKAGE — LESS RUNNING GEAR		
Working Weight <i>lbs (kg)</i>	2050 (930)	1950 (845)
Dry Weight <i>lbs (kg)</i>	1835 (833)	1740 (789)
Length <i>in (mm)</i>	79 (2007)	79 (2007)
Width <i>in (mm)</i>	41 (1041)	41 (1041)
Height <i>in (mm)</i>	48 (1219)	48 (1219)

375 FAMILY

Rotary Screw Compressor — Tier 4 Final Compliant



SULLAIR 400HH

400 cfm at 200 psi — 11.3 m³/min at 13.8 bar

Available in 



SULLAIR 375H

375 cfm at 150 psi —
10.6 m³/min at 10.3 bar

Available in 



SULLAIR 425H

425 cfm at 150 psi —
12 m³/min at 10.3 bar

Available in 

Multi-Piece Canopy

- Easy to replace if damaged
- Easily removed as one assembly for major service
- Exposed, single point lifting bail
- Galvannealed steel with durable, baked-on powder coat

Full Access Service Doors

- Large side doors provide access to engine, oil filter and compressor
- Rear swing door provides direct access to radiator and cooler
- Front swing door provides direct access to battery, electric panel and optional aftercooler
- Swing service doors with slam latches help ensure doors stay open during service

Highway Towable Running Gear

- 3" x 5" square drawbar including adjustable height hitch and screw jack with pad
- Quick-change hitch
- Transport security chains
- E-Z lube axle lubrication with electrical brakes and tail lights
- LED tail, turn and clearance lights standard

Curbside Controller with Gauges and LCD Graphic Display include:

- | | |
|--|------------------------------------|
| ■ Discharge pressure and temperature | ■ Fuel level and usage rate |
| ■ Ambient air temperature | ■ Fuel pressure and temperature |
| ■ Separator restriction | ■ Percent engine load |
| ■ Aftercooler air temperature | ■ Engine air temperature |
| ■ Engine speed | ■ Engine oil pressure |
| ■ Hours of operation | ■ Compressor and engine status |
| ■ Voltage | ■ Tachometer |
| ■ Engine coolant temperature and level | ■ Engine diagnostic service port |
| | ■ High/low pressure selector valve |

0 to 100% Capacity Control

- Pneumatic inlet valve and unloaded starting

Two-Stage Dry Type Air Filters

- Separate filters for engine and compressor, positioned to draw cool outside air

AWF® Compressor Fluid

- All-weather, all-climate fluid

Options

- Aftercooled & filtered
- Cold weather package to 10°F/-12°C and -20°F/-29°C
- Hose and hose reels
- Telematics
 - AirLinX® subscription

Warranty

- 1-year standard warranty
- 2-year standard air end warranty
- 5-year or 10,000-hour air end warranty when continuously serviced at the recommended intervals with Sullair AWF compressor fluid and filters
- 2-year or 3000-hour manufacturer engine warranty

Clean and Quiet Operation

- Meets US EPA Tier 4 Final emissions requirements
- Meets US EPA sound requirements of 74 dBA @ 7 meters

MODEL	375H (T4F/STAGE V)	400HH (T4F/STAGE V)	425H (T4F/STAGE V)
PERFORMANCE			
Actual Delivery <i>cfm (m³/min)</i>	375 (10.6)	400 (11.3)	425 (12)
Rated Pressure <i>psi (bar)</i>	150 (10.3)	200 (13.8)	150 (10.3)
Pressure Range, min <i>psi (bar)</i>	80 (5.5)	80 (5.5)	80 (5.5)
Pressure Range, max <i>psi (bar)</i>	175 (12.1)	225 (15.5)	175 (12.1)
Fuel Consumption Full Load <i>gph (l/h)</i>	5.8 (22)	7.4 (26.4)	6.6 (24.9)
Max. Operating Altitude <i>ft (m)</i>	9843 (3000)	9843 (3000)	9843 (3000)

ENGINE			
Make & Model	CAT C4.4 PERKINS 1204J	CAT C4.4 PERKINS 1204J	CAT C4.4 PERKINS 1204J
Operating Speed <i>rpm</i>	2100	1900	2000
Available Power <i>bhp (kW)</i>	122 (91)	157 (117)	157 (117)
Displacement <i>in³ (l)</i>	269 (4.4)	269 (4.4)	269 (4.4)
Cooling System Capacity <i>gal (l)</i>	6.9 (26)	6.9 (26)	6.9 (26)
Engine Oil Capacity <i>qts (l)</i>	8.5 (8)	12 (11.5)	12 (11.5)
Fuel Tank Capacity <i>gal (l)</i>	65 (246)	65 (246)	65 (246)
Electrical System Voltage	12	12	12
Battery Rating <i>CCA</i>	1125	1125	1125
DEF Consumption % of Fuel	4%	4%	4%
DEF Capacity <i>gal (l)</i>	5 (19)	5 (19)	5 (19)

COMPRESSOR			
Service Valves <i>No./Size in (mm)</i>	2/¾ (19.05)	1/1½ (38)	2/¾ (19.05)
Compressor Oil Capacity <i>gal (l)</i>	8 (30)	8 (30)	8 (30)

DPQ PACKAGE* — INCLUDES RUNNING GEAR			
Working Weight <i>lbs (kg)</i>	4795 (2175)	4905 (2225)	4905 (2225)
Dry Weight <i>lbs (kg)</i>	4155 (1885)	4265 (1935)	4265 (1935)
Length <i>in (mm)</i>	156 (3962)	156 (3962)	156 (3962)
Width <i>in (mm)</i>	78 (1958)	78 (1958)	78 (1958)
Height <i>in (mm)</i>	76 (1921)	76 (1921)	76 (1921)
Track Width <i>in (mm)</i>	67 (1702)	67 (1702)	67 (1702)
Max Towing Speed <i>mph (km/h)</i>	55 (89)	55 (89)	55 (89)
Axle Rating <i>lbs (kg)</i>	5000 (2268)	5000 (2268)	5000 (2268)
Tire Size	225/75R15	225/75R15	225/75R15

DLQ PACKAGE* — LESS RUNNING GEAR			
Working Weight <i>lbs (kg)</i>	4568 (2072)	4678 (2122)	4678 (2122)
Dry Weight <i>lbs (kg)</i>	3925 (1780)	4035 (1830)	4035 (1830)
Length <i>in (mm)</i>	101 (2577)	101 (2577)	101 (2577)
Width <i>in (mm)</i>	59 (1506)	59 (1506)	59 (1506)
Height <i>in (mm)</i>	64 (1619)	64 (1619)	64 (1619)

MID-RANGE SERIES

Rotary Screw Compressor — Tier 4 Final Compliant



SULLAIR 800HH-900H

800–900 cfm at 150–200 psi —
22.7–25.5 m³/min at 10.3–13.8 bar

Available in 



SULLAIR 920H-1100

920–1100 cfm at 100–150 psi —
26.1–31.1 m³/min at 7–10.3 bar

Available in 

Package Designed for Efficiency and Ease-of-Use

- Highway-towable running gear
- 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
- Nearly infinite combinations of pressure and flow options which can be changed quickly and easily
- 110% fluid containment frame
- LED cabin, trailer and clearance lights
- Fork pockets
- Single point lift bail
- Galvannealed sheet metal enclosure
- Multiple service doors with robust push to close latches

See page 28 for more information on Sullair Electronic Spiral Valve

7" Color Sullair Touch Screen (STS) Controller

- Easy pressure and flow selections
- Controls electronic spiral valve to more closely match delivery to demand
- Discharge pressure and temperature
- Ambient air temperature
- Separator restriction
- Aftercooler air temperature
- Engine speed
- Hours of operation
- Voltage
- Engine coolant temperature
- Engine coolant low-level shutdown
- Fuel level and usage rate
- Fuel pressure and temperature
- Percent engine load
- Engine air temperature
- Engine oil pressure
- Engine boost pressure
- Compressor and engine status
- Multi language support
- Auto and remote start capability

0 to 100% Capacity Control

- Automatic inlet valve unloaded at start

AWF® Compressor Fluid

- All-weather, all-climate fluid

Options

- DLQ — Less running gear
- Aftercooled & filtered with integrated condensate management system
- Refinery package
- Cold weather package to -20°F / -29°C
- Telematics
 - AirLinx® subscription
- Solar battery charger

Warranty

- 1-year standard warranty
- 2-year standard air end warranty
- 5-year or 10,000-hour air end warranty when continuously serviced at the recommended intervals with Sullair AWF compressor fluid and filters
- 2-year or 3000-hour manufacturer engine warranty

MODEL	800HH/900H (T4F/STAGE V)		920H/1100 (T4F/STAGE V)	
PERFORMANCE				
Actual Delivery <i>cfm (m³/min)</i>	800 (22.7)	900 (25.5)	920 (26.1)	1100 (31.1)
Rated Pressure <i>psi (bar)</i>	200 (13.8)	150 (10.3)	150 (10.3)	100 (7)
Pressure Range, min <i>psi (bar)</i>	80 (5.5)		80 (5.5)	
Pressure Range, max <i>psi (bar)</i>	200 (13.8)		150 (10.3)	
Service Valves <i>No./Size in (mm)</i>	1/3 (76.2) & 1/3/4 (19.05)		1/3 (76.2) & 1/3/4 (19.05)	
Compressor Fluid Type	AWF®		AWF®	
Compressor Fluid Capacity <i>gal (l)</i>	21 (79)		21 (79)	
Max Operating Altitude <i>ft (m)</i>	12,000 (3658)		12,000 (3658)	
Fuel Consumption Full Load <i>gph (l/h)</i>	13.2 (50)	12.5 (47.3)	12.2 (46.2)	12.8 (48.5)
Discharge Shutdown Temp. <i>°F (°C)</i>	250 (121)		250 (121)	
Max Operating Tilt	15°		15°	
Sound Level (U.S. EPA) <i>dbA</i>	76		76	
Ambient Temp Rating <i>°F (°C)</i>	-20 to 125 (-29 to 52)		-20 to 125 (-29 to 52)	

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

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

DLQ PACKAGE* — LESS RUNNING GEAR		
Working Weight <i>lbs (kg)</i>	10,810 (4903)	10,810 (4903)
Dry Weight <i>lbs (kg)</i>	9530 (4323)	9530 (4323)
Length <i>in (mm)</i>	158 (4017)	158 (4017)
Width <i>in (mm)</i>	86 (2182)	86 (2182)
Height <i>in (mm)</i>	77 (1951)	77 (1951)

1600H

Rotary Screw Compressor — Tier 4 Final Compliant



SULLAIR 1600H

1600 cfm at 100 or 150 psi — 45.3 m³/min at 7 or 10.3 bar

Available in 

Towable Design

- Highway-towable tandem axle includes electric brakes, safety chains and wheel chocks

Two-Stage Dry Type Air Filters with Safety Element

- Positioned to draw cool outside air

7" Color Sullair Touch Screen (STS) Controller

- Discharge pressure and temperature
- Ambient air temperature
- Separator restriction
- Aftercooler air temperature
- Engine speed
- Hours of operation
- Voltage
- Engine coolant temperature
- Engine coolant low-level shutdown
- Fuel level and usage rate
- Fuel pressure and temperature
- Percent engine load
- Engine air temperature
- Engine oil pressure
- Engine boost pressure
- Compressor and engine status
- Multi language support
- Auto and remote start capability

Improved Serviceability

- Double doors on both sides of the compressor with robust push to close latches
- Serviceable components within easy reach

0 to 100% Capacity Control

- Automatic inlet valve and unloaded starting

AWF® Compressor Fluid

- All-weather, all-climate fluid

Options

- Cold weather package to -20°F / -29°C
- Refinery package
- Skid mount (DLQ)
- Telematics
 - AirLinx® subscription
- Aftercooled & filtered
 - Includes next generation condensate management system

Warranty

- 1-year standard warranty
- 2-year standard air end warranty
- 5-year or 10,000-hour air end warranty when continuously serviced at the recommended intervals with Sullair AWF compressor fluid and filters
- 2-year or 3000-hour manufacturer engine warranty

Clean and Quiet Operation

- Meets US EPA sound requirements of 76 dBA @ 7 meters

MODEL	1600H (T4F)	1600H (T4F)
PERFORMANCE		
Actual Delivery <i>cfm (m³/min)</i>	1600 (45.3)	1600 (45.3)
Rated Pressure <i>psi (bar)</i>	150 (10.3)	150 (10.3)
Pressure Range, min <i>psi (bar)</i>	80 (5.5)	80 (5.5)
Pressure Range, max <i>psi (bar)</i>	150 (10.3)	150 (10.3)
Service Valves <i>No./Size in (mm)</i>	1/3 NPT (76.2)	1/3 NPT (76.2)
Service Valves, auxiliary <i>No./Size in (mm)</i>	2 3/4 NPT (19.05)	2 3/4 NPT (19.05)
Compressor Fluid Type	AWF®	AWF®
Compressor Fluid Capacity <i>gal (l)</i>	40 (151)	40 (151)
Max Operating Altitude <i>ft (m)</i>	12,000 (3658)	12,000 (3658)
Fuel Consumption Full Load <i>gph (l/h)</i>	24 (90.8)	24 (90.8)
Discharge Shutdown Temp. <i>°F (°C)</i>	250 (121)	250 (121)
Max Operating Tilt	15°	15°
Sound Level (U.S. EPA) <i>dbA</i>	76	76
Ambient Temp Rating <i>°F (°C)</i>	-20/120 (-29/49)	-20/120 (-29/49)

ENGINE		
Make & Model	CAT C15 Diesel	PERKINS 2506J Diesel
Displacement <i>in³ (l)</i>	928 (15.2)	928 (15.2)
Cylinders	6	6
Bore × Stroke <i>in (mm)</i>	5.4 x 6.73 (137 x 171)	5.4 x 6.73 (137 x 171)
Operating Speed <i>rpm</i>	1800	1800
Min Idle Speed <i>rpm</i>	1400	1400
Available Power <i>bhp (kW)</i>	540 (403)	540 (403)
Electrical System Voltage	24	24
Battery Rating <i>CCA</i>	1700	1700
Alternator Rating <i>amp</i>	95	95
Radiator Capacity <i>gal (l)</i>	21.6 (81.8)	21.6 (81.8)
Engine Water Shutdown Temp. <i>°F(°C)</i>	219 (104)	219 (104)
Fuel Tank Capacity <i>gal (l)</i>	249 (943)	249 (943)
DEF Capacity <i>gal (l)</i>	12.8 (48.4)	12.8 (48.4)

DTQ PACKAGE* — TANDEM AXLE RUNNING GEAR		
Working Weight <i>lbs (kg)</i>	19,085 (8657)	19,085 (8657)
Dry Weight <i>lbs (kg)</i>	17,269 (7833)	17,269 (7833)
Length <i>in (mm)</i>	239 (6071)	239 (6071)
Width <i>in (mm)</i>	88 (2235)	88 (2235)
Height <i>in (mm)</i>	101 (2565)	101 (2565)
Track Width <i>in (mm)</i>	79.2 (2012)	79.2 (2012)
Axle Rating <i>lbs (kg)</i>	9000 (4091)	9000 (4091)
Tire Size	215/75R17.5	215/75R17.5
Tire Pressure <i>psi (bar)</i>	125 (8.6)	125 (8.6)
Wheel Size	17.5	17.5
Lug Nut Torque <i>lb-ft (N m)</i>	300 (407)	300 (407)

DLQ PACKAGE* — LESS RUNNING GEAR		
Working Weight <i>lbs (kg)</i>	17,577 (7973)	17,577 (7973)
Dry Weight <i>lbs (kg)</i>	15,761 (7149)	15,761 (7149)
Length <i>in (mm)</i>	208 (5283)	208 (5283)
Width <i>in (mm)</i>	88 (2235)	88 (2235)
Height <i>in (mm)</i>	89 (2261)	89 (2261)

*Non-aftercooled

900XHH/1150XH

Rotary Screw Compressor — Tier 4 Final Compliant



SULLAIR 900XHH/1150XH

900 cfm at 200–500 psi — 25.5 m³/min at 13.8–34.5 bar

1150 cfm at 200–350 psi — 32.6 m³/min at 13.8–24.1 bar

Towable Design

- Highway-towable tandem axle includes electric brakes, safety chains and wheel chocks

Two-Stage Dry Type Air Filters with Safety Element

- Positioned to draw cool outside air

7" Color Sullair Touch Screen (STS) Controller

- Discharge pressure and temperature
- Ambient air temperature
- Separator restriction
- Aftercooler air temperature
- Engine speed
- Hours of operation
- Voltage
- Engine coolant temperature
- Engine coolant low-level shutdown
- Fuel level and usage rate
- Fuel pressure and temperature
- Percent engine load
- Engine air temperature
- Engine oil pressure
- Engine boost pressure
- Compressor and engine status

Improved Serviceability

- Double doors on both sides of the compressor with robust push to close latches
- Serviceable components within easy reach

0 to 100% Capacity Control

- Automatic inlet valve and unloaded starting

HPL 1500 Compressor Fluid

- Improved extreme temperature ambient blend helps extend lubricant and air end life

Options

- Aftercooled
- Cold weather package to -20°F / -29°C
- Refinery package
- Skid mount (DLQ)
- Telematics
 - AirLinX® subscription

Warranty

- 1-year standard warranty
- 2-year standard air end warranty
- 5-year or 10,000-hour air end warranty when continuously serviced at the recommended intervals with Sullair HPL 1500 compressor fluid and filters
- 2-year or 3000-hour manufacturer engine warranty

Clean and Quiet Operation

- Meets US EPA sound requirements of 76 dBA @ 7 meters

MODEL	900XHH/1150XH (T4F)	900XHH/1150XH (T4F)
PERFORMANCE		
Actual Delivery <i>cfm (m³/min)</i>	900/1150 (25.5/32.6)	900/1150 (25.5/32.6)
Rated Pressure <i>psi (bar)</i>	500/350 (34.5/24.1)	500/350 (34.5/24.1)
Pressure Range, min <i>psi (bar)</i>	200 (13.8)	200 (13.8)
Pressure Range, max <i>psi (bar)</i>	500 (34.5)	500 (34.5)
Service Valves <i>No./Size in (mm)</i>	1/2 NPT (50.8)	1/2 NPT (50.8)
Compressor Fluid Type	HPL 1500	HPL 1500
Compressor Fluid Capacity <i>gal (l)</i>	30 (114)	30 (114)
Max Operating Altitude <i>ft (m)</i>	12,000 (3658)	12,000 (3658)
Fuel Consumption Full Load <i>gph (l/h)</i>	24 (90.8)/24.5 (92.7)	24 (90.8)/24.5 (92.7)
Discharge Shutdown Temp. <i>°F (°C)</i>	300 (149)	300 (149)
Max Operating Tilt	15°	15°
Sound Level (U.S. EPA) <i>dbA</i>	76	76
Ambient Temp Rating <i>°F (°C)</i>	-20 to 120 (-29 to 49)	-20 to 120 (-29 to 49)

ENGINE		
Make & Model	CAT C15 Diesel	PERKINS 2506J Diesel
Displacement <i>in³ (l)</i>	928 (15.2)	928 (15.2)
Cylinders	6	6
Bore × Stroke <i>in (mm)</i>	5.4 x 6.73 (137 x 171)	5.4 x 6.73 (137 x 171)
Operating Speed <i>rpm</i>	1800	1800
Min Idle Speed <i>rpm</i>	1400	1400
Available Power <i>bhp (kW)</i>	540 (403)	540 (403)
Electrical System Voltage	24	24
Battery Rating <i>CCA</i>	1700	1700
Alternator Rating <i>amp</i>	95	95
Radiator Capacity <i>gal (l)</i>	21.6 (81.8)	21.6 (81.8)
Engine Water Shutdown Temp. <i>°F(°C)</i>	219 (104)	219 (104)
Fuel Tank Capacity <i>gal (l)</i>	249 (943)	249 (943)
DEF Capacity <i>gal (l)</i>	12.8 (48.4)	12.8 (48.4)

DTQ PACKAGE* — TANDEM AXLE RUNNING GEAR		
Working Weight <i>lbs (kg)</i>	18,980 (8627)	18,980 (8627)
Dry Weight <i>lbs (kg)</i>	17,164 (7802)	17,164 (7802)
Length <i>in (mm)</i>	239 (6071)	239 (6071)
Width <i>in (mm)</i>	88 (2235)	88 (2235)
Height <i>in (mm)</i>	101 (2565)	101 (2565)
Track Width <i>in (mm)</i>	79.2 (2012)	79.2 (2012)
Axle Rating <i>lbs (kg)</i>	9000 (4091)	9000 (4091)
Tire Size	215/75R17.5	215/75R17.5
Tire pressure <i>psi (bar)</i>	125 (8.6)	125 (8.6)
Wheel Size	17.5	17.5
Lug Nut Torque <i>lb-ft (N m)</i>	300 (407)	300 (407)

DLQ PACKAGE* — LESS RUNNING GEAR		
Working Weight <i>lbs (kg)</i>	17,472 (7942)	17,472 (7942)
Dry Weight <i>lbs (kg)</i>	15,656 (7116)	15,656 (7116)
Length <i>in (mm)</i>	208 (5283)	208 (5283)
Width <i>in (mm)</i>	88 (2235)	88 (2235)
Height <i>in (mm)</i>	89 (2261)	89 (2261)

*Non-aftercooled

OFD1550

Oil Free Rotary Screw Compressor — Tier 4 Final Compliant



SULLAIR OFD1550

1550 cfm at 125 psi — 43.89 m³/min at 8.6 bar

Available in  AF

Proven and Durable Package

- Sullair DS-18 Two-Stage Air End featuring:
 - High-efficiency asymmetrical profile rotors
 - Rotors coated with FDA-approved food-grade PTFE to resist corrosion
 - Timing gear-controlled rotor clearances for extended rotor life
 - High-precision bearings with consistent lubrication for improved machine life
- 110% fluid containment frame
- Galvannealed steel enclosure with seals to prevent water ingress
- Multiple lockable service doors provide easy access to virtually all service items

Powerful Cummins 15 Liter Diesel Engine

- Meets EPA Tier 4 Final emissions standards
- Xtra-High Pressure Injection (XPI) Fuel System helps increase fuel economy and performance while decreasing exhaust emissions

1550 cfm at 125 psi with adjustable pressure from 75 to 150 psi on controller screen

Compact Design

- Multiple lockable service doors
- Serviceable components within easy reach
- Centralized drains

Extras Included as Standard Features

- Site-towable with steerable front axle
 - Non-pneumatic foam-filled tires stand up to rough terrain
- Forklift pockets standard for ease of transport
- Lift ball provides fixed point for overhead lifting
- Pivoting drawbar allows two-machine loadability on standard flatbed semi trailer
- Refinery Package
 - Including 110% fluid containment, anti-static belt, non-metallic fan, engine air shut-off valve
- Cold Weather Package to -20°F / -29°C
 - Includes heavy-duty batteries, 5W30 synthetic engine oil, battery heaters, sump oil heater, ether-assisted start, automatic electro-mechanically controlled louvers
- Aftercooled and filtered

Optimum Performance

- Innovative airflow design
- Engineered to provide maximum cooling efficiency
- Hydraulically actuated inlet valve specifically designed to operate even in extreme temperatures

Ready for Jobsite and Extended Duty Uses

- 250-gallon onboard fuel system provides ten hours plus run time
- Easy-operation valve to connect an external fuel source for extended duty run time
- Two-step gearbox for optimized pressure ratios and optimal fuel efficiency

7" Color Sullair Touch Screen (STS) Controller

- In-depth compressor and engine performance information on demand
- Rugged touch screen works even when wearing gloves
- User access passcode

Options

- Telematics
 - AirLinx® subscription

Safety Features

- Air shut-off for overspeed protection
- Spark Arrestor (DPF) for fire safety

Warranty

- 1-year standard warranty
- 2-year standard air end warranty
- 5-year conditional warranty when continuously serviced at the recommended intervals with SRF DS compressor fluid and filters
- 2-year or 2000-hour engine warranty

MODEL	OFD 1550 (T4F)
PERFORMANCE	
Actual Delivery <i>cfm (m³/min)</i>	1550 (43.89)
Rated Pressure <i>psi (bar)</i>	125 (8.6)
Pressure Range, min <i>psi (bar)</i>	75 (5.2)
Pressure Range, max <i>psi (bar)</i>	150 (10.3)
Service Valves, main <i>No./Size in (mm)</i>	1/3 NPT (76.2)
Service Valves, auxiliary <i>No./Size in (mm)</i>	1/1 NPT (25.4)
Operating Ambient Temperature, max/min <i>°F (°C)</i>	125/-20 (52/-29)
Max Operating Altitude <i>ft (m)</i>	12,000 (3657)
Fuel Consumption Full Load at 125 psi <i>gph (l/h)</i>	24.6 (93.2)
Discharge Shutdown Temp. <i>°F (°C)</i>	450 (232)
Max Operating Tilt	15°
Sound Level (U.S. EPA) <i>dbA</i>	76

ENGINE	
Make & Model	CUMMINS QSX15 Diesel
Displacement <i>in³ (l)</i>	912 (14.9)
Cylinders	6
Bore x Stroke <i>in (mm)</i>	5.4 x 6.7 (137 x 169)
Operating Speed <i>rpm</i>	2100
Available Power <i>bhp (kW)</i>	500 (373)
Electrical System Voltage	24 VDC
Battery Rating <i>CCA</i>	1450
Alternator Rating <i>amp</i>	110
Radiator Capacity <i>gal (l)</i>	29 (110)
Engine Water Shutdown Temp. <i>°F (°C)</i>	231 (110)
Fuel Tank Capacity <i>gal (l)</i>	250 (946)
DEF Capacity <i>gal (l)</i>	15 (57)

DWQ PACKAGE	
Working Weight <i>lbs (kg)</i>	21,000 (9525)
Dry Weight <i>lbs (kg)</i>	18,000 (8165)
Length <i>in (mm)</i>	251 (6375)
Width <i>in (mm)</i>	88 (2235)
Height <i>in (mm)</i>	101 (2565)
Track Width <i>in (mm)</i>	80 (2032)
Max Towing Speed <i>mph (km/h)</i>	15 (24)
Tire Size	21 x 8-9
Tire Type	Foam Filled
Rim Size	9.00 E-9

E425H

Electric Portable Rotary Screw Compressor



SULLAIR E425H

425 cfm at 150 psi — 12 m³/min at 10.3 bar

Package Engineered for Efficiency, Versatility and Safety

- Sullair 18-Series Air End
- Fully electric operation
 - Reduces CO₂ emissions
 - Helps eliminate fuel costs and can extend run times—no need for fuel runs
 - Can operate in harsh outdoor environments or indoors
- Powered by a 100 hp TEFC motor with auto lubrication system
- Patent-pending condensate management system
- NEMA 4 solid state starter
- Multiple service doors for easy service and maintenance
- Single-side service design
- Patent-pending swingout coolers
- Highway-towable, single-axle running gear
- Rotatable jack stand
- Strong fork pockets
- Single-point lift bail
- 110% containment frame
- Electrical and compressed air connections safely spaced from the operator
- Galvannealed sheet metal enclosure for enhanced corrosion protection

Ease of Use

- 7" Color Sullair Touch Screen (STS) Controller
 - In-depth compressor and package performance information

Options

- Telematics
 - AirLinx® subscription

Genuine Sullube® Compressor Fluid

- Helps clean and protect rotors from varnish—the number one cause of premature failure among rotary screw compressors

Warranty

- 1-year standard warranty
- 2-year standard air end warranty
- 5-year conditional warranty when continuously serviced at the recommended intervals with Sullube compressor fluid and filters*

**Coverage includes air end, motor, cooler and air/oil separator tank.*

MODEL	E425H
PERFORMANCE	
Delivery at Full Load Pressure <i>cfm (m³/min)</i>	425 (12)
Full Load Pressure <i>hp (kW)</i>	150 (10.3)
Power at Full Load Pressure <i>psi (bar)</i>	115 (85.7)
Gear Ratio	1.46
Sound Level (U.S. EPA) <i>dBA @ 7 meters</i>	72
Ambient Temp Rating <i>°F (°C)</i>	5 to 115 (-20 to 46)
Package Amps	147

COOLING AIR FLOWS	
Air Flow Air Cooled Fan <i>cfm (m³/min)</i>	10,000 (283.2)
Air Cooled Fan Motor <i>hp (kW)</i>	5 (3.7)
Air Cooled Fan Motor Nominal Efficiency	89.5%

AIR/FLUID HOUSING	
Fluid Fill Capacity <i>gal (l)</i>	12 (45.4)

ETQ PACKAGE - INCLUDES RUNNING GEAR	
Length <i>in (mm)</i>	167 (4242)
Width <i>in (mm)</i>	69 (1753)
Height <i>in (mm)</i>	86 (2185)
Weight <i>lbs (kg)</i>	5030 (2282)
Tire Size	ST225/75R15
Track Width <i>in (mm)</i>	57 (1448)
Axle Rating <i>lbs (kg)</i>	5200 (2359)
Max Towing Speed <i>mph (kph)</i>	65 (105)

ELQ PACKAGE - LESS RUNNING GEAR	
Length <i>in (mm)</i>	108 (2744)
Width <i>in (mm)</i>	69 (1753)
Height <i>in (mm)</i>	73 (1855)
Weight <i>lbs (kg)</i>	4510 (2046)

PACKAGE CONNECTION SIZES	
Discharge Connections <i>in NPT</i>	2
Moisture Drain Connection <i>in NPT</i>	½
Electrical Connection	4/0 CAMLOCK

MAIN MOTOR	
Motor Power Rating <i>hp (kW)</i>	100 (75)
Voltage/Hz	460/60
Motor Nominal Efficiency	95.4%
Nominal rpm	1786
Service Factor	1.20
Nameplate Amps	127
Locked Rotor Amps	1373

STARTER	
Starter Type	Solid State Reduced Voltage (SSRV)
Starter Size Amp Rating	169
Short Circuit Current Rating (<i>SCCR</i>) <i>kA</i>	65
Electrical Disconnect	Yes
Starter Enclosure	NEMA 4
Max Inrush Amps	168

E1035H

Electric Portable Rotary Screw Compressor



See page 28 for more information on Sullair Electronic Spiral Valve



SULLAIR E1035H

1035 cfm at 150 psi — 29.3 m³/min at 10.3 bar

Package Engineered for Efficiency, Versatility and Safety

- Sullair 26-Series Variable Capacity Air End Designed with internal fluid porting to help minimize leaks
- Electronic Spiral Valve Technology provides up to 60% turndown capability
 - Flow range capacity from 414 to 1035 cfm at 100 to 150 psi (11.7 to 29.3 m³/min at 7 to 10.3 bar)
- Fully electric operation
 - Reduces CO₂ emissions
 - Helps eliminate fuel costs and can extend run times—no need for fuel runs
 - Can operate in harsh outdoor environments or indoors
- Powered by a 250 hp TEFC motor with auto lubrication system
- Patent-pending condensate management system
- NEMA 4 solid state starter
- Multiple service doors for easy service and maintenance
- Single-side service design
- Patent-pending swingout coolers
- Highway-towable, single-axle running gear
- Rotatable jack stand
- Strong fork pockets
- Single-point lift bail
- 110% containment frame
- Electrical and compressed air connections safely spaced from the operator
- Galvannealed sheet metal enclosure

Ease of Use

- 7" Color Sullair Touch Screen (STS) Controller
 - Controls Electronic Spiral Valve
 - In-depth compressor and package performance information

Options

- Telematics
 - AirLinX® subscription

Genuine Sullube® Compressor Fluid

- Helps clean and protect rotors from varnish—the number one cause of premature failure among rotary screw compressors

Warranty

- 1-year standard warranty
- 2-year standard air end warranty
- 5-year conditional warranty when continuously serviced at the recommended intervals with Sullube compressor fluid and filters*

**Coverage includes air end, motor, cooler and air/oil separator tank.*

MODEL	E1035H
PERFORMANCE	
Delivery at Full Load Pressure <i>cfm (m³/min)</i>	1035 (29.3)
Full Load Pressure <i>psi (bar)</i>	150 (10.3)
Power at Full Load Pressure <i>hp (kW)</i>	270 (217)
Gear Ratio	1.04
Sound Level (U.S. EPA) <i>dBA @ 7 meters</i>	78
Ambient Temp Rating <i>°F (°C)</i>	5 to 115 (-20 to 46)
Package Amps	357

COOLING AIR FLOWS	
Air Flow Air Cooled Fan <i>cfm (m³/min)</i>	20,000 (566.5)
Air Cooled Fan Motor <i>hp (kW)</i>	12 (8.9)
Air Cooled Fan Motor Nominal Efficiency	92%

AIR/FLUID HOUSING	
Fluid Fill Capacity <i>gal (l)</i>	21 (79.5)

EPQ PACKAGE - INCLUDES RUNNING GEAR	
Length <i>in (mm)</i>	189 (4801)
Width <i>in (mm)</i>	84 (2134)
Height <i>in (mm)</i>	97 (2464)
Weight <i>lbs (kg)</i>	10,500 (4763)

ELQ PACKAGE - LESS RUNNING GEAR	
Length <i>in (mm)</i>	141 (3582)
Width <i>in (mm)</i>	84 (2134)
Height <i>in (mm)</i>	86 (2185)
Weight <i>lbs (kg)</i>	9820 (4455)

PACKAGE CONNECTION SIZES	
Discharge Connections <i>in NPT</i>	3
Moisture Drain Connection <i>in NPT</i>	½
Electrical Connection	4/0 CAMLOCK

MAIN MOTOR	
Motor Power Rating <i>hp (kW)</i>	250 (186.4)
Voltage/Hz	460/60
Motor Nominal Efficiency	96%
Nominal rpm	1787
Service Factor	1.15
Nameplate Amps	291
Locked Rotor Amps	2474

STARTER	
Starter Type	Solid State Reduced Voltage
Starter Size Amp Rating	361
Short Circuit Current Rating (SCCR) <i>kA</i>	65 kA
Electrical Disconnect	Yes
Starter Enclosure	NEMA 4
Max Inrush Amps	1200

OFE1550

Electric Portable Oil Free Rotary Screw Air Compressor



SULLAIR OFE1550

1550 cfm at 125 psi — 43.9 m³/min at 8.6 bar

Package Engineered for Efficiency & Versatile Operation

- Legendary Sullair DS-18 Two-Stage Air End featuring:
 - High-efficiency asymmetrical profile rotors
 - Rotors coated with FDA-approved food-grade PTFE to resist corrosion
 - Timing gear-controlled rotor clearances for extended rotor life
 - High-precision bearings with consistent lubrication for improved machine life
- 110% fluid containment frame
- Galvannealed steel enclosure with seals to prevent water ingress
- Multiple lockable service doors provide easy access to virtually all service items
- Site-towable with steerable front axle
 - Non-pneumatic foam-filled tires stand up to rough terrain
- Forklift pockets standard for ease of transport
- Lift bail provides fixed point for overhead lifting
- Pivoting drawbar allows two-machine loadability on standard flatbed semi trailer
- Camlock electrical connections and air discharge safely spaced from operator helps increase worker safety
- Fully electric operation
 - Reduces CO₂ emissions
 - Can operate in harsh outdoor environments or indoors
- Innovative air flow design
- Aftercooled with moisture separator to help protect downstream equipment
- Engineered to provide maximum cooling efficiency
- Designed for extreme temperatures
 - Onboard heaters for cold weather applications
 - Hydraulically actuated inlet valve
- 400 hp TEFC motor with auto lubrication system
- NEMA 4 Enclosure with Wye-Delta Starter

10" color Sullair Touch Screen Controller

- In-depth compressor performance information on demand
- Rugged touch screen works even when wearing gloves
- User access passcode

Options

- Telematics
 - AirLinx® subscription

Warranty

- 1-year standard warranty
- 2-year standard air end warranty
- 5-year conditional warranty when continuously serviced at the recommended intervals with SRF DS compressor fluid and filters*

**Coverage includes air end, motor, cooler and air/oil separator tank.*

MODEL	OFE1550
PERFORMANCE	
Delivery at Full Load Pressure <i>cfm (m³/min)</i>	1550 (43.9)
Full Load Pressure <i>psi (bar)</i>	125 (8.6)
Pressure Range <i>min/max psi (bar)</i>	75/150 (5.2/10.3)
Power at Full Load Pressure <i>psi (bar)</i>	270 (217)
Gear Ratio	1.58
Sound Level (U.S. EPA) <i>dBA @ 7 meters</i>	76
Ambient Temp Rating <i>°F (°C)</i>	5 to 115 (-20 to 46)
Package Amps	481

COOLING AIR FLOWS	
Air Flow Air Cooled Fan <i>cfm (m³/min)</i>	20,501 (580.6)
Air Cooled Fan Motor <i>hp (kW)</i>	15 (11)
Air Cooled Fan Motor Nominal Efficiency	97%

EPQ PACKAGE - INCLUDES RUNNING GEAR	
Length <i>in (mm)</i>	251 (6375)
Width <i>in (mm)</i>	88 (2235)
Height <i>in (mm)</i>	101 (2565)
Weight <i>lbs (kg)</i>	17,000 (7711)

ELQ PACKAGE - LESS RUNNING GEAR	
Length <i>in (mm)</i>	229 (5817)
Width <i>in (mm)</i>	88 (2235)
Height <i>in (mm)</i>	90 (2286)
Weight <i>lbs (kg)</i>	15,000 (6804)

PACKAGE CONNECTION SIZES	
Discharge Connections <i>in NPT</i>	3
Moisture Drain Connection <i>in NPT</i>	(2) ½
Electrical Connection	4/0 CAMLOCK

MAIN MOTOR	
Motor Power Rating <i>hp (kW)</i>	400 (298)
Voltage/Hz	460/60
Motor Nominal Efficiency	96%
Nominal rpm	1792
Service Factor	1.2
Nameplate Amps	489
Locked Rotor Amps	5477

STARTER	
Starter Type	Wye-Delta
Starter Size Amp Rating	630
Short Circuit Current Rating (<i>SCCR</i>) <i>kA</i>	65
Electrical Disconnect	Yes
Starter Enclosure	NEMA 4

ELECTRIC RENTAL PACKAGES

for backup, replacement or emergency air



SULLAIR TSR-20

820–1051 cfm at 100–175 psi —
23.2–29.8 m³/min at 7–12.1 bar



SULLAIR TSR-32

1240–1640 cfm at 100–175 psi —
35.1–46.4 m³/min at 7–12.1 bar



SULLAIR DR-13

Class 0 Oil Free Air

428–785 cfm at 125 psi —
12.1–22.2 m³/min at 8.6 bar



Two-Stage TSR-20 and TSR-32

Compressors for Backup, Replacement or Emergency Air

TSR-20 and TSR-32 packages both feature Sullair tandem air ends. Combined with the Sullair spiral valve and standard fixed speed starter, these two-stage compressors are highly efficient in both full-load and part-load operations.

Rugged Package Design

- Self-contained package
- Forklift pockets
- Cold weather protection
- Heavy-duty sound-attenuated enclosure
- Suited for use outdoors
- Easy-access doors
- Oil field skid
- Heavy-duty air inlet filter

User Friendly — Built-in disconnect switch, lockable tamperproof controls, easy access controls, heavy-duty quiet enclosure and druggable skid

DR-13 Oil Free, Motor Driven Rental Package

Rugged — Oil field skid, single point lift, forklift pockets, stainless steel piping, heavy-duty enclosure and containment frame

Versatile — Air-cooled package, suitable for outdoors, cold weather protection, noise-attenuated enclosure, TEFC mill and chem motor, reduced voltage starter and sequencing capabilities

User Friendly — Built-in electrical disconnect, fully automated controls, external user connections, lockable doors and RS485 monitoring

PERFORMANCE				
TSR-20 MODEL	200L	200H	200HH	200XH
Motor <i>hp (kW)</i>	200 (160)	200 (160)	200 (160)	200 (160)
Capacity <i>cfm (m³/min)</i>	1051 (29.8)	960 (27.2)	868 (24.6)	820 (23.2)
Pressure <i>psi (bar)</i>	100 (7)	125 (8.6)	150 (10.3)	175 (12.1)

PERFORMANCE				
TSR-32 MODEL	300L	300H	300HH	300XH
Motor <i>hp (kW)</i>	300 (224)	300 (224)	300 (224)	300 (224)
Capacity <i>cfm (m³/min)</i>	1640 (46.4)	1440 (40.8)	1330 (37.7)	1240 (35.1)
Pressure <i>psi (bar)</i>	100 (7)	125 (8.6)	150 (10.3)	175 (12.1)

PERFORMANCE				
DR-13 MODEL	100H	125H	150H	200H
Motor <i>hp (kW)</i>	100 (75)	125 (93)	150 (112)	200 (149)
Capacity <i>cfm (m³/min)</i>	428 (12.1)	517 (14.6)	640 (18.1)	785 (22.2)
Pressure <i>psi (bar)</i>	125 (8.6)	125 (8.6)	125 (8.6)	125 (8.6)

ABRASIVE BLASTING

Abrasive blasting equipment manufacturers recommend air pressures of 90–100 psi be used to help ensure low-cost, high-production blasting. The abrasive blasting air requirements chart shows the required amount of air to maintain pressures for efficient results. The air flow requirements shown in the chart reflect continuous operation and do not take frictional losses into account. To protect the compressor and to provide additional reserve for greater air demand as the abrasive nozzle wears, only 70% of a compressor's rated output should be used.

The figures shown should only be used as a guide since the actual amount will depend upon the skills of the individual operator and may vary from the stated number.

ABRASIVE NOZZLE AIR CONSUMPTION								
APPROXIMATE AIR CONSUMPTION (CFM) PER BLAST NOZZLE								
NOZZLE SIZE	NOZZLE PRESSURE (psi)							
	60	70	80	90	100	120	140	
1/8"	14	16	18	20	22	26	30	
3/16"	32	36	41	45	49	58	66	
1/4"	57	65	72	80	90	105	121	
5/16"	90	101	113	125	140	160	185	
3/8"	126	145	163	182	220	235	270	
7/16"	170	193	215	240	270	315	360	
1/2"	230	260	290	320	350	410	470	
5/8"	360	406	454	500	550	640	740	
3/4"	518	585	652	720	790	925	1060	

APPROXIMATE ABRASIVE CONSUMPTION (LBS/HR) PER BLAST NOZZLE								
NOZZLE SIZE	NOZZLE PRESSURE (psi)							
	60	70	80	90	100	120	140	
1/8"	90	105	115	130	140	165	190	
3/16"	209	230	250	290	320	375	430	
1/4"	365	420	460	500	560	660	760	
5/16"	575	650	725	825	900	1050	1200	
3/8"	840	945	1050	1155	1260	1475	1700	
7/16"	1150	1300	1450	1600	1750	2050	2350	
1/2"	1460	1660	1850	2000	2250	2650	3000	
5/8"	2290	2600	2900	3125	3520	4100	4750	
3/4"	3300	3750	4180	4500	5060	5950	6800	

The above is presented as general information. For specific information, consult your blast equipment user manual.

FLUIDS

All Sullair portable air compressors come factory-filled with specially formulated lubricants to optimize compressor performance.

SULLAIR AWF®

The fluid of choice for harsh operating conditions.

Multi-viscosity Sullair All Weather Fluid offers exceptional startup and performance in hot weather and cold climates alike.



SULLAIR HPL 1500

High-pressure portable performance.

Optimized specifically for high-pressure jobs, Sullair HPL 1500 excels in oil drilling, pipeline service and other severe-duty applications.



GENUINE SULLUBE®

Unmatched performance. Exceptional value.

Helps clean and protect rotors from varnish—the number one cause of premature failure among rotary screw compressors.



SULLAIR SRF DS

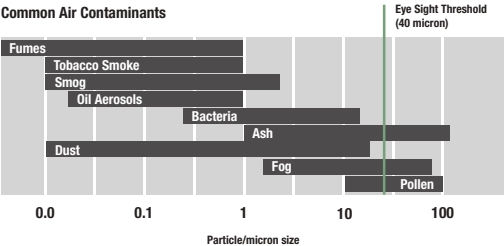
Sullair Performance Lubricant for Oil Free Air Compressors.

Formulated specifically for oil free rotary screw compressors, SRF DS provides reliable gearbox lubrication to help optimize compressor performance—even under heavy loads.



AF SULLAIR AF MACHINES (AFTERCOOLED AND FILTERED) PRODUCE INSTRUMENT QUALITY AIR ISO 8573-1: CLASS 1.7.1*

- Aftercooler and moisture separator
- Primary and secondary filters remove particulate to 0.01 micron and aerosols to 0.01ppm
- Filter warning and shutdown system helps prevent downstream contamination

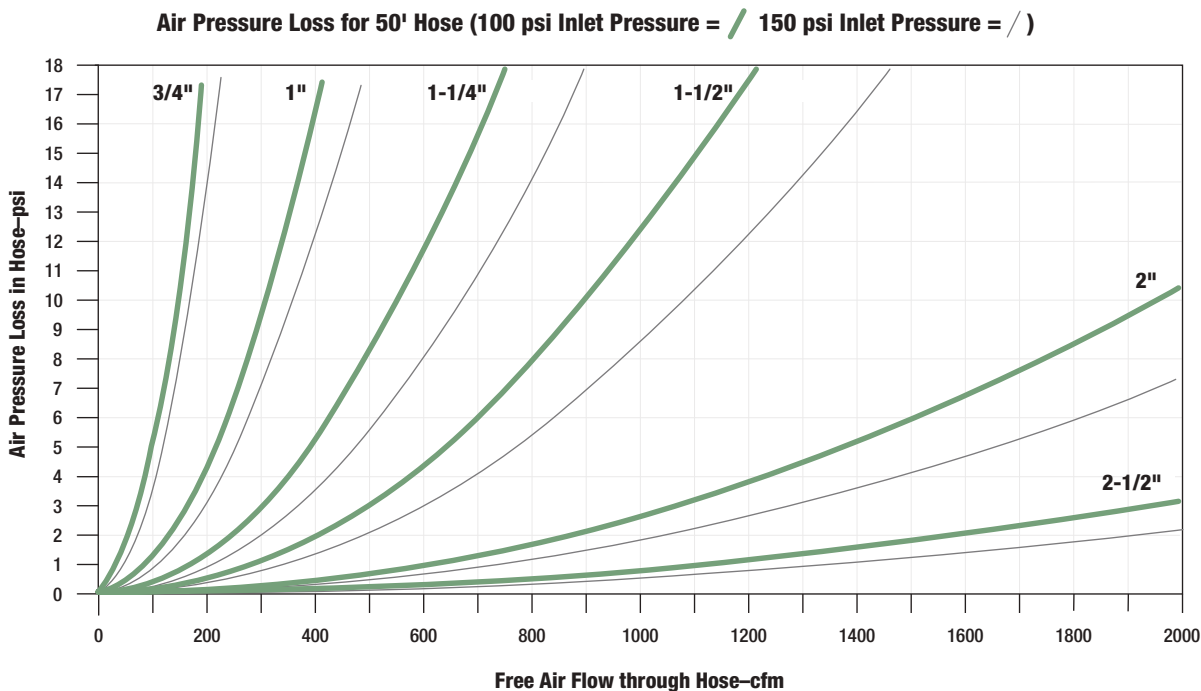


*To achieve instrument quality air, a desiccant dryer is also required.

PRESSURE LOSS IN AIR HOSES

To prevent excessive air pressure losses due to friction, air hose size and length should be considered and optimized for the job at hand. The amount of friction, as a result of a volume of air passing through a hose, is dependent upon several factors. The major factors include: air flow rate, hose inlet pressure, air temperature, air hose construction, compressed air dew point and air contaminants. The graph below is an approximation and should only be used as

a guide, since factors like very high air temperatures, high water content, and high contaminant content can combine to increase the air pressure loss values up to 150% of the value shown in the graph. Please note that the graph below represents a 50' length of hose. For shorter or longer lengths of hose, the air pressure loss is proportional to the length (i.e., for 25', one-half of the value shown, for 150', three times the value shown, etc.). Please see examples below graph.



Example #1: A customer has a 185 cfm air compressor equipped with 100' of 3/4" hose to operate a Sullair 90-pound pavement breaker. The 90-pound pavement breaker requires 62 cfm to operate. How much pressure loss can the customer expect from the tool if the compressor is providing 100 psi inlet pressure?

Answer: Since the air tool requires 62 cfm of air to function, at 62 cfm of air flow through the 3/4" hose, approximately, 2 psi pressure loss is expected in a 50-foot length of 3/4" air hose. Since the customer has 100' of hose, multiply the pressure loss by 2, and the customer can expect 4 psi pressure loss (2 x 2 psi = 4 psi).

Example #2: An abrasive blasting contractor has 200 feet of 2" air hose to be used from the compressor to the blast pot. If he needs to supply his blast pot and nozzles with 1500 cfm, how much pressure loss can the contractor expect in the 2" hose? And, what would his pressure loss be with a 2 1/2" hose? Also, can the contractor use his Sullair 1600H (1600 cfm at 150 psi) with either hose? Which hose would be more efficient and yield lower fuel costs?

Answer (part I): From the chart at 1500 cfm, a 50' hose length of 2" hose will have approximately 6 psi pressure loss. 200' of hose is equivalent to four 50' lengths. Therefore, 4 x 6 psi equals 24 psi (approximate) pressure drop.

Answer (part II): A 2 1/2" air hose would have approximately less than 2 psi pressure loss in a 50' length or less than 8 psi pressure loss in a 200' length (4 x 2 psi = 8 psi approximate pressure drop).

Answer (part III): Yes, the Sullair 1600H has sufficient capacity and pressure capability.

Answer (part IV): The 2" hose requires the air compressor to operate at a minimum of 24 psi higher. Higher pressure at the air compressor means greater horsepower required by the engine which means more fuel. The 2 1/2" hose would be the better economical choice with a much lower pressure loss.



NOW AVAILABLE

Sullair Certified REMAN 375H - 4525H

Sullair Certified REMAN 900XHH/1150XH

Sullair Certified REMAN 1600H AF

Have a used Tier 2 or Tier 3 Sullair compressor? Trade it in today and get core credit toward a Sullair Certified REMAN compressor. Our units are remanufactured with genuine OEM parts and thoroughly tested to the same high standards as a brand new machine and feature a same-as-new warranty.

Plus, you don't have to wait for your exact unit to get the treatment. We keep a rolling inventory of REMAN compressors, so one will be ready to ship the very next day.

Visit Sullair.com/REMAN for more information.



SULLAIR CERTIFIED REMAN 1600H

Tier 2 & 3 Caterpillar C15 engines available

1600 cfm at 150 psi

Available in 



SULLAIR CERTIFIED REMAN 900XHH/1150XH

Tier 2 & 3 Caterpillar C15 engines available

900 cfm at 500 psi • 1150 cfm at 350 psi



SULLAIR CERTIFIED GLIDER 375

Tier 3 John Deere 4045 engine available

375H-425H — 375-425 cfm at 150 psi • 375HH — 375 cfm at 200 psi

Available in 

Each 375 Series glider features a new John Deere Replacement engine and remanufactured Sullair Air End — Plus, all new components to finish out the package.

To be deemed SULLAIR CERTIFIED, the glider must use Genuine Sullair OEM parts, fluids and filters. The final product must then pass rigorous testing, inspection and a final quality verification.

Also available: Sullair RECON compressor reconditioning program

SULLAIR ELECTRONIC SPIRAL VALVE TECHNOLOGY

Closely Matches Supply to System Demand

Available on Sullair Mid-Range and E1035H models

VARIABLE CAPACITY AIR ENDS

Sullair Variable Capacity Air Ends are 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 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



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 — increasing efficiency.



OPEN BYPASS PORTS

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

PORTABLE COMPRESSOR TRUCK LOADING COMBINATIONS

48' Flat Bed

9 x 185



5 x 375H-425H



1 x 375H-425H
6 x 185



2 x 375H-425H
4 x 185



3 x Mid-Range Series



4 x E425H
4 x E1035H



48' Flat Bed

2 x OFD1550 (2 x OFE1550)



2 x 1600H



2 x 900XHH/1150XH



1 x 1600H
1 x 900XHH/1150XH



1 x OFD1550 (OFE1550)
1 x 1600H



Exterior options (hose reels, etc.) may impact truck load capacities. Contact factory for truckload sizes for machines with options, or for other combinations

Hitachi Global Air Power

HitachiGlobalAirPower.com/Portables



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