



SULLAIR.®

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 spin it, Sullair compressors are in it for the long haul, driven by the design of the legendary 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 portables get the job done with the innovations you want: compact design for enhanced maneuverability and improved fuel efficiency for extended run times.

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
- Air consumption altitude multipliers, pressure loss calculators and other key tools
- Information on the Sullair Certified REMAN program

185 FAMILY

Rotary Screw Compressor — Tier 4 Final



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
- Efficient 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
- Ambient air temperature
- Engine speed
- Hours of operation
- Voltage
- Engine coolant temperature and level
- Fuel level and usage rate
- Fuel pressure and temperature
- Percent engine load
- Engine air temperature
- Engine oil pressure
- Compressor and engine status
- Tachometer
- 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

- Brakes
- Cold weather package to -20°F / -29°C
- Hose reels
- Extended drawbar

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)	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>	2.9 (10.9)	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 3/4" (19)	2 3/4" (19)
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



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
- Service doors feature non-rusting hinges and stainless steel T-type door retainers

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

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 76 dBA @ 7 meters

MODEL	375H (T4F)	400HH (T4F)	425H (T4F)
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>	5.9 (22.3)	7.4 (28)	7.7 (29.1)
Max. Operating Altitude <i>ft (m)</i>	9000 (2743)	9000 (2743)	9000 (2743)

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	2100
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	2.3%	2.3%	2.3%
DEF Capacity <i>gal (l)</i>	5(19)	5(19)	5(19)

COMPRESSOR			
Service Valves <i>No./Size in (mm)</i>	2 1/4 (19)	1 1/2 (38)	2 1/4 (19)
Compressor Oil Capacity <i>gal (l)</i>	8 (30)	8 (30)	8 (30)

DPQ PACKAGE* — INCLUDES RUNNING GEAR			
Working Weight <i>lbs (kg)</i>	4840 (2195)	4840 (2195)	4840 (2195)
Dry Weight <i>lbs (kg)</i>	4200 (1905)	4200 (1905)	4200 (1905)
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>	4610 (2092)	4610 (2092)	4610 (2092)
Dry Weight <i>lbs (kg)</i>	3970 (1801)	3970 (1801)	3970 (1801)
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



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 26 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

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
- Telematics
 - AirLinx®
- 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)		920H/1100 (T4F)	
PERFORMANCE				
Actual Delivery <i>cfm</i> (<i>m³/min</i>)	800 (22.7)	900 (25.5)	920 (26.1)	1100 (31.1)
Rated Pressure <i>psi</i> (<i>bar</i>)	200 (13.8)	150 (10.3)	150 (10.3)	100 (7)
Pressure Range, min <i>psi</i> (<i>bar</i>)	80 (5.5)		80 (5.5)	
Pressure Range, max <i>psi</i> (<i>bar</i>)	200 (13.8)		150 (10.3)	
Service Valves <i>No./Size in (mm)</i>	1 (3") & 1 (3/4")		1 (3") & 1 (3/4")	
Compressor Fluid Type	AWF®			
Compressor Fluid Capacity <i>gal</i> (<i>l</i>)	21 (79)		21 (79)	
Max Operating Altitude <i>ft</i> (<i>m</i>)	12,000 (3658)		12,000 (3658)	
Fuel Consumption Full Load <i>gph</i> (<i>l/h</i>)	13.2 (50)	12.5 (47.3)	12.2 (46.2)	12.8 (48.5)
Discharge Shutdown Temp. <i>°F</i> (<i>°C</i>)	250 (121)		250 (121)	
Maximum Operating Tilt	15°		15°	
Sound Level (U.S. EPA) <i>dba</i>	76		76	
Ambient Temp Rating <i>°F</i> (<i>°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
Displacement <i>in³</i> (<i>l</i>)	433 (7.1)		433 (7.1)
Cylinders	6		6
Bore x Stroke <i>in</i> (<i>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
Minimum Idle Speed <i>rpm</i>	1200		1200
Available Power <i>bhp</i> (<i>kW</i>)	302 (225)		302 (225)
Electrical System Voltage	24		24
Battery Rating <i>CCA</i>	(4D) 1000		(4D) 1000
Radiator Capacity <i>gal</i> (<i>l</i>)	17.2 (65)		17.2 (65)
Engine Water Shutdown Temp. <i>°F</i> (<i>°C</i>)	226 (108)		226 (108)
Engine Oil Capacity <i>gal</i> (<i>l</i>)	4.5 (17)		4.5 (17)
Fuel Tank Capacity <i>gal</i> (<i>l</i>)	145 (549)		145 (549)
DEF Consumption % of Fuel	4%		4%
DEF Capacity <i>gal</i> (<i>l</i>)	13.8 (52.2)		13.8 (52.2)

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

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

1600H

Rotary Screw Compressor — Tier 4 Final



NO
CENTER-POST
DESIGN!



SULLAIR 1600H TIER 4 FINAL

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, wheel chocks and safety chains

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

AWF® Compressor Fluid

- All-weather, all-climate fluid

Sullair AirLinx® — a Telematics Solution Providing

- GPS to keep track of your machines via Internet-connected devices
- Fleet management
- Remote monitoring and troubleshooting

Options

- Cold weather package to -20°F / -29°C
- Refinery package
- Skid mount (DLQ)
- Aftercooled and filtered
 - Aftercooled and Afterfiltered Air Models include 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</i> (<i>m³/min</i>)	1600 (45.3)	1600 (45.3)
Rated Pressure <i>psi</i> (<i>bar</i>)	150 (10.3)	150 (10.3)
Pressure Range, min <i>psi</i> (<i>bar</i>)	80 (5.5)	80 (5.5)
Pressure Range, max <i>psi</i> (<i>bar</i>)	150 (10.3)	150 (10.3)
Service Valves <i>No./Size in (mm)</i>	1/3 (76.2) NPT	1/3 (76.2) NPT
Service Valves, auxiliary	2 1/4 (19.05) NPT	2 1/4 (19.05) NPT
Compressor Fluid Type	AWF®	AWF®
Compressor Fluid Capacity <i>gal</i> (<i>l</i>)	40 (151)	40 (151)
Max Operating Altitude <i>ft</i> (<i>m</i>)	12,000 (3658)	12,000 (3658)
Fuel Consumption Full Load <i>gph</i> (<i>l/h</i>)	24 (90.8)	24 (90.8)
Discharge Shutdown Temp. °F (°C)	250 (121)	250 (121)
Maximum Operating Tilt	15°	15°
Sound Level (U.S. EPA) <i>dba</i>	76	76
Ambient Temp Rating °F (°C)	-20/120 (-29/49)	-20/120 (-29/49)

ENGINE		
Make & Model	CAT C15 Diesel	PERKINS 2506J Diesel
Displacement <i>in³</i> (<i>l</i>)	928 (15.2)	928 (15.2)
Cylinders	6	6
Bore x Stroke <i>in</i> (<i>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
Minimum Idle Speed <i>rpm</i>	1400	1400
Available Power <i>bhp</i> (<i>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</i> (<i>l</i>)	21.6 (81.8)	21.6 (81.8)
Engine Water Shutdown Temp. °F (°C)	219 (104)	219 (104)
Fuel Tank Capacity <i>gal</i> (<i>l</i>)	249 (943)	249 (943)
DEF Capacity <i>gal</i> (<i>l</i>)	12.8 (48.4)	12.8 (48.4)

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

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

900XHH/1150XH

Rotary Screw Compressor — Tier 4 Final



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, wheel chocks and safety chains

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 extends lubricant and air end life

Options

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

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

Sullair AirLinx® — a Telematics Solution Providing

- GPS to keep track of your machines via Internet-connected devices
- Fleet management
- Remote monitoring and troubleshooting

Model	900XHH/1150XH (T4F)	900XHH/1150XH (T4F)
Performance		
Actual Delivery <i>cfm</i> (<i>m³/min</i>)	900/1150 (25.5/32.6)	900/1150 (25.5/32.6)
Rated Pressure <i>psi</i> (<i>bar</i>)	500/350 (34.5/24.1)	500/350 (34.5/24.1)
Pressure Range, min <i>psi</i> (<i>bar</i>)	200 (13.8)	200 (13.8)
Pressure Range, max <i>psi</i> (<i>bar</i>)	500 (34.5)	500 (34.5)
Service Valves <i>No./Size in (mm)</i>	1/2 (50.8) NPT	1/2 (50.8) NPT
Compressor Fluid Type	HPL 1500	HPL 1500
Compressor Fluid Capacity <i>gal</i> (<i>l</i>)	30 (114)	30 (114)
Max. Operating Altitude <i>ft</i> (<i>m</i>)	12,000 (3658)	12,000 (3658)
Fuel Consumption Full Load <i>gph</i> (<i>l/h</i>)	24 (90.8)/24.5 (92.7)	24 (90.8)/24.5 (92.7)
Discharge Shutdown Temp. <i>°F</i> (<i>°C</i>)	300 (149)	300 (149)
Maximum Operating Tilt	15°	15°
Sound Level (U.S. EPA) <i>dbA</i>	76	76
Ambient Temp Rating <i>°F</i> (<i>°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</i> (<i>l</i>)	928 (15.2)	928 (15.2)
Cylinders	6	6
Bore x Stroke <i>in</i> (<i>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
Minimum Idle Speed <i>rpm</i>	1400	1400
Available Power <i>bhp</i> (<i>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</i> (<i>l</i>)	21.6 (81.8)	21.6 (81.8)
Engine Water Shutdown Temp. <i>°F</i> (<i>°C</i>)	219 (104)	219 (104)
Fuel Tank Capacity <i>gal</i> (<i>l</i>)	249 (943)	249 (943)
DEF Capacity <i>gal</i> (<i>l</i>)	12.8 (48.4)	12.8 (48.4)

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

DLQ Package — Less Running Gear		
Working Weight <i>lbs</i> (<i>kg</i>)	17,472 (7942)	17,472 (7942)
Dry Weight <i>lbs</i> (<i>kg</i>)	15,656 (7116)	15,656 (7116)
Length <i>in</i> (<i>mm</i>)	208 (5283)	208 (5283)
Width <i>in</i> (<i>mm</i>)	88 (2235)	88 (2235)
Height <i>in</i> (<i>mm</i>)	89 (2261)	89 (2261)

OFD1550

Oil Free Rotary Screw Compressor — Tier 4 Final



OFD1550 TIER 4 FINAL

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



Proven and Durable Package

- Legendary Sullair DS-18 Two-Stage Air End featuring:
 - High efficiency asymmetrical profile 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 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
- 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 runtime
- Easy-operation valve to connect an external fuel source for extended duty runtime
- Two-step gear box 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

AirLinx® — a Telematics Solution Providing

- GPS to keep track of your units via Internet-connected devices
- Fleet management
- Remote monitoring and troubleshooting capabilities

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 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 engine warranty

MODEL	OFD1550 (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 (76.2) NPT
Service Valves, auxiliary <i>No./Size in (mm)</i>	1/1 (25.4) NPT
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)
Maximum 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 × 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)
Maximum 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



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 runtimes—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

Ease of Use

- 7" Color Sullair Touch Screen (STS) Controller
 - In-depth compressor and package performance information
- Sullair AirLinx®—a Telematics Solution

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 SERIES-100 hp / 60 Hz
PERFORMANCE		
Delivery at Full Load Pressure <i>cfm</i> (<i>m³/min</i>)		425 (12)
Full Load Pressure <i>psi</i> (<i>bar</i>)		150 (10.3)
Power at Full Load Pressure <i>psi</i> (<i>bar</i>)		115 (85.7)
Gear Ratio		1.46
Sound Level (U.S. EPA) <i>dBA</i> @ 7 meters		72
Ambient Temp Rating <i>°F</i> (<i>°C</i>)		5 to 115 (-20 to 46)
Package Amps		147
COOLING AIR FLOWS		
Air Flow Air Cooled Fan <i>cfm</i> (<i>m³/min</i>)		10,000 (283.2)
Air Cooled Fan Motor <i>hp</i> (<i>kW</i>)		5 (3.7)
Air Cooled Fan Motor Nominal Efficiency		89.5%
AIR/FLUID HOUSING		
Fluid Fill Capacity <i>gal</i> (<i>l</i>)		12 (45.4)
ETQ PACKAGE - INCLUDES RUNNING GEAR		
Length <i>in</i> (<i>mm</i>)		167 (4242)
Width <i>in</i> (<i>mm</i>)		69 (1753)
Height <i>in</i> (<i>mm</i>)		86 (2185)
Weight <i>lbs</i> (<i>kg</i>)		5030 (2282)
Tire Size		ST225/75R15
Track Width <i>in</i> (<i>mm</i>)		57 (1448)
Axle Rating <i>lbs</i> (<i>kg</i>)		5200 (2359)
Maximum Towing Speed <i>mph</i> (<i>kph</i>)		65 (105)
ELQ PACKAGE - LESS RUNNING GEAR		
Length <i>in</i> (<i>mm</i>)		108 (2744)
Width <i>in</i> (<i>mm</i>)		69 (1753)
Height <i>in</i> (<i>mm</i>)		73 (1855)
Weight <i>lbs</i> (<i>kg</i>)		4510 (2046)
PACKAGE CONNECTION SIZES		
Discharge Connections <i>in NPT</i>		2
Moisture Drain Connection <i>in NPT</i>		½
Electrical Connection		400A CAMLOCK
MAIN MOTOR		
Motor Power Rating <i>hp</i> (<i>kW</i>)		100 (75)
Voltage		460
Motor Nominal Efficiency		95.4%
Nominal <i>rpm</i>		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>)		65
Electrical Disconnect		Yes
Starter Enclosure		NEMA 4
Max. Inrush Amps		168

E1035H

Electric Portable Rotary Screw Compressor



See page 26 for more information on Sullair Electronic Spiral Valve



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 runtimes—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
- Sullair AirLinx®—a Telematics Solution

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 SERIES - 250 hp/60 Hz
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>psi (bar)</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	460
Motor Nominal Efficiency	96%
Nominal <i>rpm</i>	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 (<i>SCCR</i>)	65 kA
Electrical Disconnect	Yes
Starter Enclosure	NEMA 4
Max. Inrush Amps	1200