SULLAIR®

PORTABLE AIR POWER

–INTERNATIONAL–

SULLAIR.COM

WHY SULLAIR?

Air Compressors Built to Last

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 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
- Description of available air tools
- Air consumption altitude multipliers, pressure loss calculators and other key tools

Sullair is a Hitachi Group Company.

185 FAMILY

Rotary Screw Compressor

THE SULLAIR 185

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

THE SULLAIR 185 TIER 3

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

Clam Shell Canopy
- Canopy opens fully with gas assist springs
- Serviceable components within easy reach
- Simplified routine maintenance

Corrosion Resistant Enclosure
- Galvanneal sheet metal with composite end caps and fenders
- Stainless steel hinges and latches, plated fittings and hardware
- Aluminum instrument panel door

Durable, Baked-On Powder Coat Finish

Highway Towable Running Gear
- Independent rubber torsion suspension
- Axle offers convenient wheel bearing lubrication through zerk fittings
- 3˝ square drawbar
- Adjustable height hitch
- Screw jack with pad
- Transport security chains

Curbside Instrument Panel
- Hinged, padlockable cover
- Mechanical air pressure gauge and hour meter
- Rocker type engine start switch with emergency stop
- Idle warm-up valve
- Glow plug starting aid

SSAM — Shutdown System & Annunciation Module
- Shutdown with annunciator light for high compressor temperature, high engine coolant temperature, low engine oil pressure and engine underspeed

Capacity Control System
- Pneumatic inlet valve and unloaded starting
- Color coded control lines
- Heated controls to prevent freezing

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
- Final filter with drain

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
- Diesel engine warranty applies — contact Sullair for more information

Model details & specifications inside

MODEL	185 (iT4)	49HP (T3)
PERFORMANCE		
Actual Delivery *cfm (m³/min)*	185 (5.2)	185 (5.2)
Rated Pressure *psig (bar)*	100 (7)	100 (7)
Pressure Range, min *psig (bar)*	80 (5.5)	80 (5.5)
Pressure Range, max *psig (bar)*	125 (8.6)	125 (8.6)
Fuel Consumption 100% Load *gph (l/h)*	3.4 (12.9)	2.5 (9.45)
Max. Operating Altitude *ft (m)*	11,000 (3353)	12,000 (3657)
ENGINE		
Make & Model	CATC2.2 (iT4)	Kubota V2403 (T3)
Operating Speed *rpm*	2800	2700
Available Power *bhp (kW)*	61 (45.5)	49 (36.5)
Displacement *in³ (cm³)*	134 (2196)	146 (2400)
Cooling System Capacity *gal (l)*	2.5 (9.5)	2.75 (10.4)
Engine Oil Capacity *qts (l)*	11.2 (10.6)	7.3 (6.9)
Fuel Tank Capacity *gal (l)*	20 (75.7)	27 (102.195)
Electrical System Voltage	12	12
COMPRESSOR		
Service Valves *No. & (Size)*	2 (¾˝)	2 (¾˝)
Compressor Oil Capacity *gal (l)*	3 (11.4)	2.1 (7.9)
DPQ PACKAGE		
Working Weight *lbs (kg)*	2130 (966)	2175 (987)
Dry Weight *lbs (kg)*	1990 (903)	1960 (889)
Length *in (mm)*	130.8 (3322)	130.8 (3322)
Width *in (mm)*	59.2 (1504)	59.2 (1504)
Height *in (mm)*	53.9 (1369)	58 (1473)
Track Width *in (mm)*	50.9 (1294)	50.9 (1294)
Max Towing Speed *mph (km/h)*	55 (89)	55 (89)
Axle Rating *lbs (kg)*	3700 (1678)	3700 (1678)
Tire Size	ST175/80D13	ST175/80D13
DLQ PACKAGE — LESS RUNNING GEAR		
Working Weight *lbs (kg)*	1885 (855)	1930 (876)
Dry Weight *lbs (kg)*	1745 (792)	1735 (787)
Length *in (mm)*	72.5 (1842)	79.3 (2014)
Width *in (mm)*	40.7 (1034)	40.7 (1034)
Height *in (mm)*	44.5 (1130)	45.9 (1166)

Models vary by region. Contact your Sullair sales representative for more details.

375 FAMILY

Rotary Screw Compressor

THE SULLAIR 375

375 cfm at 100 psig — 10.6 m³/min at 7 bar

Available in T2 T3 AF

THE SULLAIR 375H

375 cfm at 150 psig — 10.6 m³/min at 10 bar

Available in T2 T3 AF

Multi-Piece Canopy
- Easy and inexpensive to replace if damaged
- Easily removed as one assembly for major service
- Exposed, single point lifting bail

Service Doors
- Large side doors provide access to engine, oil filters, compressor and tool compartment
- Rear service panel provides access to rear of machine
- Serviceable components within easy reach
- Simplified routine maintenance, reducing downtime and service cost
- 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
- Screw jack with pad
- Transport security chains
- E-Z lube axle lubrication
- Heavy duty leaf spring suspension
- Tail lights

Large Curbside Toolbox

Curbside Instrument Panel
- Hinged, padlockable cover
- Mechanical air pressure gauge, hour meter, ignition start switch
- Idle warm-up valve
- Optional gauges available
- High/Low pressure selector valve allows dual pressure capability without making mechanical adjustment (available on high pressure models only)

0 to 100% Capacity Control
- Pneumatic inlet valve and unloaded starting

SSAM — Shutdown System & Annunciation Module
- Shutdown with annunciator light for high engine temperature, low engine oil pressure, high compressor discharge temperature, low engine speed and low fuel level

Three Stage Dry Type Air Filters
- Separate filters for engine and compressor

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
- Diesel engine warranty applies — contact Sullair for more information

AF *See pg 29 for additional information on Aftercooled or Aftercooled and Filtered models available*

MODEL	375 (T2)	375 (T3)	375H (T3)
PERFORMANCE			
Actual Delivery *cfm (m³/min)*	375 (10.6)	375 (10.6)	375 (10.6)
Rated Pressure *psig (bar)*	100 (6.9)	100 (6.9)	150 (10.3)
Pressure Range, min *psig (bar)*	80 (5.5)	80 (5.5)	80 (5.5)
Pressure Range, max *psig (bar)*	125 (8.6)	125 (8.6)	150 (10.3)
Fuel Consumption Full Load *gal/h (l/h)*	5.2 (19.7)	5.72 (21.7)	6.55 (24.8)
Max. Operating Altitude *ft (m)*	10,000 (3048)	10,000 (3048)	10,000 (3048)
ENGINE			
Make & Model	CATC4.4 (T2)	JD4045HF (T3)	JD4045HF (T3)
Cylinders	4	4	4
Operating Speed *rpm*	2200	2200	2200
Available Power *bhp (kW)*	117 (87)	140 (104)	140 (104)
Displacement *in³ (l)*	269 (4408)	275 (4507)	275 (4507)
Cooling System Capacity *gal (l)*	4 (15.1)	4 (15.1)	4 (15.1)
Engine Oil Capacity *qts (l)*	7.3 (6.9)	15.5 (14.7)	15.5 (14.7)
Fuel Tank Capacity *gal (l)*	56 (212)	56 (212)	56 (212)
Electrical System Voltage	12	12	12
Battery Rating *CCA*	1125	1125	1125
COMPRESSOR			
Service Valves *No. & (Size)*	2 (¾˝)	2 (¾˝)	2 (¾˝)
Compressor Oil Capacity *gal (l)*	7 (26.5)	7 (26.5)	7 (26.5)
Receiver Tank Volume *ft³ (m³)*	2.46 (.07)	2.46 (.07)	2.46 (.07)
DPQ PACKAGE			
Working Weight *lbs (kg)*	4420 (2005)	4440 (2014)	4440 (2014)
Dry Weight *lbs (kg)*	4030 (1828)	4050 (1837)	4050 (1837)
Length *in (mm)*	156.2 (3968)	156.2 (3968)	156.2 (3968)
Width *in (mm)*	77.1 (1958)	77.1 (1958)	77.1 (1958)
Height *in (mm)*	75.9 (1928)	75.9 (1928)	75.9 (1928)
Track Width *in (mm)*	67.5 (1715)	67.5 (1715)	67.5 (1715)
Max Towing Speed *mph (km/h)*	55 (89)	55 (89)	55 (89)
Axle Rating *lbs (kg)*	5000 (2268)	5000 (2268)	5000 (2268)
Tire Size	225/75D15	225/75D15	225/75D15
DLQ PACKAGE — LESS RUNNING GEAR			
Working Weight *lbs (kg)*	4175 (1894)	4195 (1903)	4195 (1903)
Dry Weight *lbs (kg)*	3775 (1712)	3805 (1726)	3805 (1726)
Length *in (mm)*	106.7 (2710)	106.7 (2710)	106.7 (2710)
Width *in (mm)*	59.3 (1506)	59.3 (1506)	59.3 (1506)
Height *in (mm)*	65.3 (1659)	65.3 (1659)	65.3 (1659)

* *Non-aftercooled*

375 FAMILY (CONTINUED)

Rotary Screw Compressor

THE SULLAIR 375H

375 cfm at 100 psig — 10 m³/min at 10 bar

Available in T2 T3 AF

THE SULLAIR 375HH

375 cfm at 200 psig — 10.6 m³/min at 14 bar

Available in T3 AF

THE SULLAIR 425

425 cfm at 100 psig — 12 m³/min at 7 bar

Available in T2 T3 AF

THE SULLAIR 425H

425 cfm at 150 psig — 12 m³/min at 10 bar

Available in T3 AF

Multi-Piece Canopy
- Easy and inexpensive to replace if damaged
- Easily removed as one assembly for major service
- Exposed, single point lifting bail

Service Doors
- Large side doors provide access to engine, oil filters, compressor and tool compartment
- Rear service panel provides access to rear of machine
- Serviceable components within easy reach
- Simplified routine maintenance, reducing downtime and service cost
- 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
- Screw jack with pad
- Transport security chains
- E-Z lube axle lubrication
- Heavy duty leaf spring suspension
- Tail lights

Large Curbside Toolbox

Curbside Instrument Panel
- Hinged, padlockable cover
- Mechanical air pressure gauge, hour meter, ignition start switch
- Idle warm-up valve
- Optional gauges available
- High/Low pressure selector valve allows dual pressure capability without making mechanical adjustment (available on high pressure models only)

0 to 100% Capacity Control
- Pneumatic inlet valve and unloaded starting

SSAM — Shutdown System & Annunciation Module
- Shutdown with annunciator light for high engine temperature, low engine oil pressure, high compressor discharge temperature, low engine speed and low fuel level

Three Stage Dry Type Air Filters
- Separate filters for engine and compressor

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
- Diesel engine warranty applies — contact Sullair for more information

AF *See pg 29 for additional information on Aftercooled or Aftercooled and Filtered models available*

MODEL	375H (T2)	375HH (T3)	425 (T2)	425 (T3)	425 (T3)	425H (T3)
PERFORMANCE						
Actual Delivery *cfm (m³/min)*	375 (10.6)	375 (10.6)	375 (10.6)	425 (12)	425 (12)	425 (12)
Rated Pressure *psig (bar)*	150 (10.3)	200 (13.8)	100 (6.9)	100 (6.9)	100 (6.9)	150 (10.3)
Pressure Range, min *psig (bar)*	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)
Pressure Range, max *psig (bar)*	150 (10.3)	200 (13.8)	125 (8.6)	125 (8.6)	125 (8.6)	150 (10.3)
Fuel Consumption Full Load *gal/h (l/h)*	6.11 (23.1)	6.55 (24.8)	6.11 (23.1)	6.45 (24.4)	6.55 (24.8)	6.55 (24.8)
Max. Operating Altitude *ft (m)*	10,000 (3048)	10,000 (3048)	10,000 (3048)	10,000 (3048)	10,000 (3048)	10,000 (3048)
ENGINE						
Make & Model	CATC4.4 (T2)	JD4045HF (T3)	CATC4.4 (T2)	CATC4.4 (T3)	JD4045HF (T3)	JD4045HF (T3)
Cylinders	4	4	4	4	4	4
Operating Speed *rpm*	2200	2200	2200	2200	2200	2200
Available Power *bhp (kW)*	130 (97)	140 (104)	130 (97)	130 (97)	140 (104)	140 (104)
Displacement *in³ (l)*	269 (4408)	275 (4507)	269 (4408)	269 (4408)	275 (4507)	275 (4507)
Cooling System Capacity *gal (l)*	4 (15.1)	4 (15.1)	4 (15.1)	4 (15.1)	4 (15.1)	4 (15.1)
Engine Oil Capacity *qts (l)*	7.3 (6.9)	15.5 (14.7)	7.3 (6.9)	7.3 (6.9)	15.5 (14.7)	15.5 (14.7)
Fuel Tank Capacity *gal (l)*	56 (212)	56 (212)	56 (212)	56 (212)	56 (212)	56 (212)
Electrical System Voltage	12	12	12	12	12	12
Battery Rating *CCA*	1125	1125	1125	1125	1125	1125
COMPRESSOR						
Service Valves *No. & (Size)*	2 (¾˝)	2 (¾˝)	2 (¾˝)	2 (¾˝)	2 (¾˝)	2 (¾˝)
Compressor Oil Capacity *gal (l)*	7 (26.5)	7 (26.5)	7 (26.5)	7 (26.5)	7 (26.5)	7 (26.5)
Receiver Tank Volume *ft³ (m³)*	2.46 (.07)	2.46 (.07)	2.46 (.07)	2.46 (.07)	2.46 (.07)	2.46 (.07)
DPQ PACKAGE						
Working Weight *lbs (kg)*	4420 (2005)	4440 (2014)	4420 (2005)	4420 (2005)	4440 (2014)	4440 (2014)
Dry Weight *lbs (kg)*	4030 (1828)	4050 (1837)	4030 (1828)	4030 (1828)	4050 (1837)	4050 (1837)
Length *in (mm)*	156.2 (3968)	156.2 (3968)	156.2 (3968)	156.2 (3968)	156.2 (3968)	156.2 (3968)
Width *in (mm)*	77.1 (1958)	77.1 (1958)	77.1 (1958)	77.1 (1958)	77.1 (1958)	77.1 (1958)
Height *in (mm)*	75.9 (1928)	75.9 (1928)	75.9 (1928)	75.9 (1928)	75.9 (1928)	75.9 (1928)
Track Width *in (mm)*	67.5 (1715)	67.5 (1715)	67.5 (1715)	67.5 (1715)	67.5 (1715)	67.5 (1715)
Max Towing Speed *mph (km/h)*	55 (89)	55 (89)	55 (89)	55 (89)	55 (89)	55 (89)
Axle Rating *lbs (kg)*	5000 (2268)	5000 (2268)	5000 (2268)	5000 (2268)	5000 (2268)	5000 (2268)
Tire Size	225/75D15	225/75D15	225/75D15	225/75D15	225/75D15	225/75D15
DLQ PACKAGE — LESS RUNNING GEAR						
Working Weight *lbs (kg)*	4175 (1894)	4195 (1903)	4175 (1894)	4175 (1894)	4195 (1903)	4195 (1903)
Dry Weight *lbs (kg)*	3775 (1712)	3805 (1726)	3775 (1712)	3775 (1712)	3805 (1726)	3805 (1726)
Length *in (mm)*	106.7 (2710)	106.7 (2710)	106.7 (2710)	106.7 (2710)	106.7 (2710)	106.7 (2710)
Width *in (mm)*	59.3 (1506)	59.3 (1506)	59.3 (1506)	59.3 (1506)	59.3 (1506)	59.3 (1506)
Height *in (mm)*	65.3 (1659)	65.3 (1659)	65.3 (1659)	65.3 (1659)	65.3 (1659)	65.3 (1659)

Models vary by region. Contact your Sullair sales representative for more details.

600 SINGLE AXLE FAMILY

Rotary Screw Compressor

THE SULLAIR 550RH

550 cfm at 250 psig — 15.5 m³/min at 17 bar

THE SULLAIR 600

600 cfm at 125 psig —
17 m³/min at 8.6 bar

THE SULLAIR 600XH

600 cfm at 200 psig —
17 m³/min at 13.8 bar

THE SULLAIR 600RH

600 cfm at 250 psig —
17 m³/min at 17 bar

THE SULLAIR 655

655 cfm at 100 psig —
18.5 m³/min at 7 bar

THE SULLAIR 750H

750 cfm at 150 psig —
21.2 m³/min at 10 bar

Models vary by region. Contact your Sullair sales representative for more details.

Display Unit

Features of multi-functional display unit include:

- Display of dynamic fault and fault history in text mode
- Operating temperature range of display unit -40° C to 85° C
- Simple and convenient to install
- Weatherproof (IP68)
- Multi-language options
- Service reminders

Display content:

- Engine revolution speed
- Engine oil pressure
- History fault code (if supported)
- Dynamic fault code
- Coolant temperature
- System voltage
- Engine operating hours

AWF® All Weather Fluid

The fluid of choice for demanding operating conditions — heat, cold, humidity — AWF handles them all

- Designed for the most extreme conditions, AWF is formulated to handle the challenging conditions faced by portable rotary screw air compressors. This multi-viscosity, highly refined, petroleum-based fluid combines easy cold-weather starting and warmup with exceptional lubrication in hot or severe conditions.
- AWF fights oxidation contaminants in intake air that can rust and corrode internal surfaces. Special additives dissolve or suspend contaminants before they form harmful deposits. Additives also neutralize acidic pollutants in the air so that acids can't attack metal surfaces.
- Lasts up to 1500 hours
- Excels in dirty environments
- Resists varnish in hot conditions
- Formulated to maximize air/fluid separation and limit fluid carryover

Running Gear

- Single axle undercarriage
- Maximum towing speed: 35 km/h
- Height of the machine can be effectively reduced to make it more flexible, stronger and reliable
- Available without running gear (DLQ)

Additional Features

- The 375 litre metal fuel tank meets the demand of 8–10 consecutive hours of operation
- A Dn350 fluid/air separator is fitted and is 23% more efficient than traditional fluid/air separators
- Large, lockable service doors provide access for easy maintenance — reducing downtime and service costs
- Single stage oil injection screw compressor
- 0–100% capacity regulation
- Two-stage air filters with safety elements
- Pneumatic inlet valve and blowdown starter
- Emergency stop
- Protective shut-down switches
- Idle warm-up switch
- Also available in high altitude configuration

MODEL	550RH DPQ	600 DPQ	600XH DPQ	600RH DPQ	655 DPQ	750H DPQ
PERFORMANCE						
Actual Delivery *cfm (m³/min)*	550 (15.5)	600 (17.0)	600 (17.0)	600 (17.0)	655 (18.5)	750 (21.2)
Rated Pressure *psig (bar)*	250 (17)	125 (8.6)	200 (13.8)	250 (17)	100 (7)	150 (10)
Pressure Range, min *psig (bar)*	95 (6.5)	50 (3.5)	95 (6.5)	95 (6.5)	50 (3.5)	95 (6.5)
Pressure Range, max *psig (bar)*	250 (17)	125 (8.6)	200 (13.8)	250 (17)	125 (8.6)	150 (10)
Max. Operating Altitude *ft (m)*	10,000 (3048)	10,000 (3048)	10,000 (3048)	10,000 (3048)	10,000 (3048)	10,000 (3048)
ENGINE						
Make & Model	Cummins 6CTA8.3-C240	Cummins 6BTAA5.9-C180	Cummins 6CTA8.3-C240	Cummins 6CTA8.3-C260	Cummins 6BTAA5.9-C180	Cummins 6CTA8.3-C260
Operating Speed *rpm*	1800	1800	1800	1850	1900	1850
Available Power *bhp (kW)*	240 (179)	132 (180)	240 (179)	260 (194)	132 (180)	260 (194)
Displacement *in³ (l)*	506 (8292)	136 (2229)	506 (8292)	506 (8292)	136 (2229)	506 (8292)
Cooling System Capacity *gal (l)*	5.8 (22)	5.9 (22.5)	5.8 (22)	5.8 (22)	5.9 (22.5)	5.8 (22)
Engine Oil Capacity *qts (l)*	4.8 (18)	4.3 (16.3)	4.8 (18)	4.8 (18)	4.3 (16.3)	4.8 (18)
Fuel Tank Capacity *gal (l)*	99 (375)	60.8 (230)	99 (375)	99 (375)	60.8 (230)	99 (375)
Electrical System Voltage	24	24	24	24	24	24
Battery Rating *CCA*	1125	—	1125	1125	—	1125
COMPRESSOR						
Service Valves *No. & (Size)*	1 x Rp 2	1 x Rp 2	1 x Rp 2	1 x Rp 2	1 x Rp 2	1 x Rp 2
Service Valves *No. & (Size)*	1 x Rp ¾	1 x Rp ½	1 x Rp ¾	1 x Rp ¾	1 x Rp ½	1 x Rp ¾
Compressor Oil Capacity *gal (l)*	6.8 (26)	6.8 (26)	6.8 (26)	6.8 (26)	6.8 (26)	6.8 (26)
DPQ PACKAGE						
Dry Weight *lbs (kg)*	7055 (3200)	6063 (2750)	7055 (3200)	7055 (3200)	6063 (2750)	7055 (3200)
Length *in (mm)*	177.6 (4510)	168.5 (4280)	177.6 (4510)	177.6 (4510)	168.5 (4280)	177.6 (4510)
Width *in (mm)*	84.6 (2150)	82.7 (2100)	84.6 (2150)	84.6 (2150)	82.7 (2100)	84.6 (2150)
Height *in (mm)*	85.4 (2170)	79.1 (2010)	85.4 (2170)	85.4 (2170)	79.1 (2010)	85.4 (2170)
Max Towing Speed *mph (km/h)*	22 (35)	22 (35)	22 (35)	22 (35)	22 (35)	22 (35)
Tire Size	7.5-16-14PR	7.5-16-14PR	7.5-16-14PR	7.5-16-14PR	7.5-16-14PR	7.5-16-14PR
DLQ PACKAGE — LESS RUNNING GEAR						
Dry Weight *lbs (kg)*	6614 (3000)	—	6614 (3000)	6614 (3000)	—	6614 (3000)
Length *in (mm)*	3480 (137)	—	3480 (137)	3480 (137)	—	3480 (137)
Width *in (mm)*	1680 (66.1)	—	1680 (66.1)	1680 (66.1)	—	1680 (66.1)
Height *in (mm)*	1800 (70.9)	—	1800 (70.9)	1800 (70.9)	—	1800 (70.9)

900 CUMMINS FAMILY

Rotary Screw Compressor

THE SULLAIR 750HH

750 cfm at 175 psig — 21.2 m³/min at 12 bar

THE SULLAIR 750XH

750 cfm at 200 psig —
21.2 m³/min at 13.8 bar

THE SULLAIR 825HH

825 cfm at 175 psig —
23.4 m³/min at 12 bar

THE SULLAIR 825XH

825 cfm at 200 psig —
23.4 m³/min at 13.8 bar

THE SULLAIR 900HH

900 cfm at 175 psig —
25.5 m³/min at 12 bar

THE SULLAIR 900H

900 cfm at 150 psig —
25.5 m³/min at 10.3 bar

THE SULLAIR 950H

950 cfm at 150 psig —
26.9 m³/min at 10.3 bar

THE SULLAIR 1050

1050 cfm at 125 psig —
29.7 m³/min at 8.6 bar

Padlockable Service Doors
- Two wide, lockable service doors making parts easily accessible and serviceable
- Removable cover plates under the base, each equipped with a drain port to discharge accumulated water and oil sludge from the machine
- Service doors feature stainless steel hinges and T-type door retainers

Mounting Options
- Dual axle undercarriage
- Available without running gear

Four Heavy-Duty Air Filters
- Primary and secondary filter elements

Electronic Control Module:
- Duplex microprocessor with multiple sensors
- Diagnostic data
- Accurate gauging of desired fuel injection quantity
- Precise fuel-injection timing control

Indicator Lights for:
- Engine shutdown
- Engine maintenance
- Engine fault
- Low fuel level
- High discharge temperature
- Low coolant level

Instrument Panel with Display Unit
- Display of dynamic fault and fault history in text mode
- Operating temperature range display unit
- Multi-language options
- Weatherproof
- Service reminders

AWF® All Weather Fluid
- All-weather, all-climate fluid

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
- Diesel engine warranty applies — contact Sullair for more information

Model details & specifications inside

MODEL	750HH DWQ	750XH DWQ	825HH DWQ	825XH DWQ	900HH DWQ	900H DWQ	950H DWQ	1050 DWQ
PERFORMANCE								
Actual Delivery *cfm (m³/min)*	750 (21.2)	750 (21.2)	825 (23.4)	825 (23.4)	900 (25.5)	900 (25.5)	950 (26.9)	1050 (29.7)
Rated Pressure *psig (bar)*	175 (12.0)	200 (13.8)	175 (12.0)	200 (13.8)	175 (12.0)	150 (10.3)	150 (10.3)	125 (8.6)
Pressure Range, min *psig (bar)*	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)
Pressure Range, max *psig (bar)*	175 (12.0)	200 (13.8)	175 (12.0)	200 (13.8)	175 (12.0)	150 (10.3)	150 (10.3)	125 (8.6)
Fuel Consumption Full Load *gal/h (l/h)*	13.1 (49.7)	13.1 (49.7)	13.5 (50.9)	14 (52.8)	14.6 (55.3)	13.2 (50.1)	14.5 (55)	13.9 (52.6)
Max. Operating Altitude *ft (m)*	16,000 (4876)	16,000 (4876)	16,000 (4876)	16,000 (4876)	16,000 (4876)	16,000 (4876)	16,000 (4876)	16,000 (4876)
ENGINE								
Make & Model	Cummins QSM11-290 T2	Cummins QSM11-290 T2	Cummins QSM11-290 T2	Cummins QSM11-290 T2	Cummins QSM11-290 T2	Cummins QSM11-290 T2	Cummins QSM11-290 T2	Cummins QSM11-290 T2
Operating Speed *rpm*	1800	1800	1800	1800	1800	1800	1800	1800
Available Power *bhp (kW)*	290 (216)	290 (216)	290 (216)	290 (216)	290 (216)	290 (216)	290 (216)	290 (216)
Displacement *in³ (l)*	660 (10,815)	660 (10,815)	660 (10,815)	660 (10,815)	660 (10,815)	660 (10,815)	660 (10,815)	660 (10,815)
Cooling System Capacity *gal (l)*	10.6 (40)	10.6 (40)	10.6 (40)	10.6 (40)	10.6 (40)	10.6 (40)	10.6 (40)	10.6 (40)
Engine Oil Capacity *qts (l)*	9 (34)	9 (34)	9 (34)	9 (34)	9 (34)	9 (34)	9 (34)	9 (34)
Fuel Tank Capacity *gal (l)*	121.5 (460)	121.5 (460)	121.5 (460)	121.5 (460)	121.5 (460)	121.5 (460)	121.5 (460)	121.5 (460)
Electrical System Voltage	24	24	24	24	24	24	24	24
COMPRESSOR								
Service Valves *No. & (Size)*	1 x Rp 2	1 x Rp 2	1 x Rp 2	1 x Rp 2	1 x Rp 2	1 x Rp 2	1 x Rp 2	1 x Rp 2
Service Valves *No. & (Size)*	1 x Rp ¾	1 x Rp ¾	1 x Rp ¾	1 x Rp ¾	1 x Rp ¾	1 x Rp ¾	1 x Rp ¾	1 x Rp ¾
Compressor Oil Capacity *gal (l)*	15.8 (60)	15.8 (60)	15.8 (60)	15.8 (60)	15.8 (60)	15.8 (60)	15.8 (60)	15.8 (60)
DPQ PACKAGE								
Dry Weight *lbs (kg)*	10,759 (4880)	10,759 (4880)	10,759 (4880)	10,759 (4880)	10,759 (4880)	10,759 (4880)	10,759 (4880)	10,759 (4880)
Length *in (mm)*	161.1 (4092)	161.1 (4092)	161.1 (4092)	161.1 (4092)	161.1 (4092)	161.1 (4092)	161.1 (4092)	161.1 (4092)
Width *in (mm)*	82.7 (2100)	82.7 (2100)	82.7 (2100)	82.7 (2100)	82.7 (2100)	82.7 (2100)	82.7 (2100)	82.7 (2100)
Height *in (mm)*	97.3 (2471)	97.3 (2471)	97.3 (2471)	97.3 (2471)	97.3 (2471)	97.3 (2471)	97.3 (2471)	97.3 (2471)
Track Width *in (mm)*	71.7 (1820)	71.7 (1820)	71.7 (1820)	71.7 (1820)	71.7 (1820)	71.7 (1820)	71.7 (1820)	71.7 (1820)
Max Towing Speed *mph (km/h)*	22 (35)	22 (35)	22 (35)	22 (35)	22 (35)	22 (35)	22 (35)	22 (35)
Tire Size	7.5-16-14PR	7.5-16-14PR	7.5-16-14PR	7.5-16-14PR	7.5-16-14PR	7.5-16-14PR	7.5-16-14PR	7.5-16-14PR

Models vary by region. Contact your Sullair sales representative for more details.

1100XH–1300XH CUMMINS FAMILY

Rotary Screw Compressor

THE SULLAIR 1100XH

1100 cfm at 350 psig — 31.1 m³/min at 24.1 bar

THE SULLAIR 1200RH

1200 cfm at 300 psig —
34 m³/min at 20.7 bar

THE SULLAIR 1100XHH

1100 cfm at 500 psig —
31.1 m³/min at 34.5 bar

THE SULLAIR 1200XHH

1200 cfm at 435 psig —
34.0 m³/min at 30 bar

THE SULLAIR 1300XH

1300 cfm at 350 psig —
36.8 m³/min at 24.1 bar

Padlockable Service Doors
- Large front and side doors provide access to air filters, engine and compressor
- Rear service door provides access to fuel tank, batteries and compressor fluid cooler
- Serviceable components within easy reach
- Routine maintenance is simplified
- Reduced downtime and service cost
- Service doors feature stainless steel hinges and T-type door retainers
- Complete fluid containment

Two Mounting Options
- Four-wheel steerable mounting and less running gear on mounting rails
- All have tie down locations built into the frame

Two-Stage Dry Type Air Filters with Safety Element
- Positioned to draw cool outside air

COMPASS® Electronic Engine Control Gauges and LCD Graphic Display indicate:
- Discharge pressure and temperature
- Aftercooler air temperature and louver activation (if equipped)
- Engine speed, hours of operation, coolant level and temperature
- Fuel level, usage rate, pressure and temperature
- Engine air temperature and oil pressure
- Compressor and engine status
- Ambient air temperature
- Separator restriction
- Voltage
- Percent engine load
- Engine diagnostic service port
- Diagnostic messages
- Shutdown history for all monitored system parameters

Indicator Lights for:
- High compressor temperature
- Low fuel
- Compressor shutdown and warning
- Engine shutdown and warning

Protective Shutdown Switches
- Low engine oil pressure, high engine water temperature, low water level, high compressor temperature or low fuel level
- A protective circuit also prevents starter engagement when machine is operating

0 to 100% Capacity Control
- Automatic inlet valve and unloaded starting

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 compressor fluid and filters
- Diesel engine warranty applies — contact Sullair for more information

Model details & specifications inside

AF See pg 29 for additional information on Aftercooled or Aftercooled and Filtered models available

MODEL	1100XH DWQ	1200RH DWQ	1100XHH DWQ	1200XHH DWQ	1300XH DWQ
PERFORMANCE					
Actual Delivery *cfm (m³/min)*	1100 (31.1)	1200 (34.0)	1100 (31.1)	1200 (34.0)	1300 (36.8)
Rated Pressure *psig (bar)*	350 (24.1)	300 (20.7)	500 (34.5)	435 (30.0)	350 (24.1)
Pressure Range, min *psig (bar)*	140 (9.7)	140 (9.7)	200 (13.7)	200 (13.7)	200 (13.7)
Pressure Range, max *psig (bar)*	350 (24.1)	300 (20.7)	500 (34.5)	435 (30.0)	—
Fuel Consumption Full Load *gal/h (l/h)*	22.0 (84.3)	25.5 (96.5)	26.4 (99.8)	26.4 (99.8)	25.5 (96.5)
Max. Operating Altitude *ft (m)*	16000 (4876)	16000 (4876)	16000 (4876)	16000 (4876)	16000 (4876)
ENGINE					
Make & Model	Cummins QSX15	Cummins QSX15	Cummins QSX15	Cummins QSX15	Cummins QSX15
Operating Speed *rpm*	1850	1850	1850	1850	1850
Available Power *bhp (kW)*	450 (336)	450 (336)	525 (391)	525 (391)	525 (391)
Displacement *in³ (l)*	506 (8292)	506 (8292)	506 (8292)	506 (8292)	506 (8292)
Cooling System Capacity *gal (l)*	16.0 (60)	16.0 (60)	16.0 (60)	16.0 (60)	16.0 (60)
Engine Oil Capacity *qts (l)*	12.0 (45.4)	12.0 (45.4)	12.0 (45.4)	12.0 (45.4)	12.0 (45.4)
Fuel Tank Capacity *gal (l)*	185 (700)	185 (700)	185 (700)	185 (700)	185 (700)
Electrical System Voltage	24	24	24	24	24
COMPRESSOR					
Service Valves *No. & (Size)*	1 x Rp 2	1 x Rp 2	1 x Rp 2	1 x Rp 2	1 x Rp 2
Service Valves *No. & (Size)*	1 x Rp ¾	1 x Rp ¾	1 x Rp ¾	1 x Rp ¾	1 x Rp ¾
Compressor Oil Capacity *gal (l)*	15.8 (60)	15.8 (60)	15.8 (60)	15.8 (60)	15.8 (60)
DWQ PACKAGE					
Dry Weight *lbs (kg)*	14551 (6600)	14551 (6600)	14551 (6600)	14551 (6600)	14551 (6600)
Length *in (mm)*	184.3 (4682)	184.3 (4682)	184.3 (4682)	184.3 (4682)	184.3 (4682)
Width *in (mm)*	82.7 (2100)	82.7 (2100)	82.7 (2100)	82.7 (2100)	82.7 (2100)
Height *in (mm)*	99.3 (2521)	99.3 (2521)	99.3 (2521)	99.3 (2521)	99.3 (2521)
Track Width *in (mm)*	70.3 (1786)	70.3 (1786)	70.3 (1786)	70.3 (1786)	70.3 (1786)
Max Towing Speed *mph (km/h)*	22 (35)	22 (35)	22 (35)	22 (35)	22 (35)
Tire Size	8.25-16-14PR	8.25-16-14PR	8.25-16-14PR	8.25-16-14PR	8.25-16-14PR
DLQ PACKAGE — LESS RUNNING GEAR					
Length *in (mm)*	169.4 (4303)	169.4 (4303)	169.4 (4303)	169.4 (4303)	169.4 (4303)
Width *in (mm)*	82.7 (2100)	82.7 (2100)	82.7 (2100)	82.7 (2100)	82.7 (2100)
Height *in (mm)*	99.0 (2514)	99.0 (2514)	99.0 (2514)	99.0 (2514)	99.0 (2514)

Models vary by region. Contact your Sullair sales representative for more details.

ELECTRIC PORTABLE

Rotary Screw Compressor

THE SULLAIR E900H

900 cfm at 150 psig — 25.5 m³/min at 10 bar

Available in AF

Padlockable Service Doors
- Large front and side doors provide access to regular service items

Mounting Options
- Highway towable tandem axle version includes electric brakes, restraining tow chains, super lube axle system and tail lights
- Less running gear on mounting rails

Deluxe Instrument Panel
- Air pressure gauge
- Discharge air temperature gauge
- Separator differential pressure gauge
- Compressor fluid filter differential pressure gauge
- High discharge air temperature indicator
- Main motor overload indicator
- Fan motor overload indicator
- Hour meter
- Motor dehumidifier on/off switch
- Emergency stop button

Package Design
- Two-stage air filters with safety element
- Industrial-grade cooling system
- Low-noise, TEFC cooling fan
- After-cooler / instrument-quality air filtration

Motor/Starter
- TEFC premium efficiency drive motor
- Positive alignment, flange-mounted configuration
- Wye-Delta motor starter

Complete Fluid Containment
- Remote bulkhead drain valves for all fluids

40 to 100% Capacity Control
- High-efficiency rotary screw compressor
- Automatic pneumatic inlet valve and unloaded starting
- Capacity is matched to system demand, delivering energy savings at partial-load conditions
- Broad operating range (80–150 psi)

AWF® All Weather 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

Model details & specifications inside

AF *See pg 29 for additional information on Aftercooled or Aftercooled and Filtered models available*

MODEL	E900H	E900H
PERFORMANCE		
Actual Delivery *cfm (m³/min)*	900 (25.5)	900 (25.5)
Rated Pressure *psig (bar)*	150 (10.3)	150 (10.3)
Pressure Range, min *psig (bar)*	80 (5.5)	80 (5.5)
Pressure Range, max *psig (bar)*	150 (10.3)	150 (10.3)
ENGINE		
Make & Model	Hebei	Hebei
Operating Speed *rpm*	1775	1480
Available Power *bhp (kW)*	214 (160)	214 (160)
Electrical System Voltage	460/3/60	380/3/50
COMPRESSOR		
Service Valves *No. & (Size)*	2 (1″)	2 (1″)
Compressor Oil Capacity *gal (l)*	29 (109.8)	29 (109.8)
Receiver Tank Volume *ft³ (m³)*	7.4 (.2)	7.4 (.2)
ETQ PACKAGE — TANDEM AXLE		
Working Weight *lbs (kg)*	11,780 (5343)	11,780 (5343)
Length *in (mm)*	194 (4928)	194 (4928)
Width *in (mm)*	83 (2108)	83 (2108)
Height *in (mm)*	94 (2388)	94 (2388)
Track Width *in (mm)*	67 (1702)	67 (1702)
Max Towing Speed *mph (km/h)*	55 (89)	55 (89)
Axle Rating *lbs (kg)*	8000 (3629)	8000 (3629)
Tire Size	ST 235/80 R16	ST 235/80 R16
ELQ PACKAGE		
Working Weight *lbs (kg)*	10030 (4550)	10030 (4550)
Length *in (mm)*	144 (3658)	144 (3658)
Width *in (mm)*	79 (2007)	79 (2007)
Height *in (mm)*	67 (1702)	67 (1702)

Models vary by region. Contact your Sullair sales representative for more details.

HIGH PRESSURE FAMILY

Rotary Screw Compressor

THE SULLAIR 750XHH/900XH

750 cfm at 500 psig — 21.2 m³/min at 34.5 bar
900 cfm at 350 psig — 25.5 m³/min at 24 bar

Available in T3 AF

THE SULLAIR 900XHH/1150XH

900 cfm at 500 psig — 25.5 m³/min at 35 bar
1150 cfm at 350 psig — 32.6 m³/min at 24 bar

Available in T3 AF

Padlockable Service Doors
- Large front and side doors provide access to air filters, engine and compressor
- Rear service door provides access to fuel tank, batteries and compressor fluid cooler
- Serviceable components within easy reach
- Routine maintenance is simplified
- Reduced downtime and service cost
- Service doors feature stainless steel hinges and T-type door retainers
- Complete fluid containment

Three Mounting Options
- Highway towable tri-axle version includes electric brakes, mechanical parking brake, restraining tow chains, E-Z lube axle system and tail lights
- Four-wheel steerable mounting and less running gear on mounting rails are also available
- All have tie down locations built into the frame

Two-Stage Dry Type Air Filters with Safety Element
- Positioned to draw cool outside air

COMPASS® Electronic Engine Control Gauges and LCD Graphic Display indicate:
- Discharge pressure and temperature
- Aftercooler air temperature and louver activation (if equipped)
- Engine speed, hours of operation, coolant level and temperature
- Fuel level, usage rate, pressure and temperature
- Engine air temperature and oil pressure
- Compressor and engine status
- Ambient air temperature
- Separator restriction
- Voltage
- Percent engine load

Indicator Lights for:
- High compressor temperature
- Low fuel
- Compressor shutdown and warning
- Engine shutdown and warning

Protective Shutdown Switches
- Low engine oil pressure, high engine water temperature, low water level, high compressor temperature or low fuel level
- A protective circuit also prevents starter engagement when machine is operating

0 to 100% Capacity Control
- Automatic inlet valve and unloaded starting

HPL1500 Compressor Fluid
- Best-in-Class 1500-hour change interval
- Resists sludge and varnish

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 HPL1500 compressor fluid and filters
- Diesel engine warranty applies — contact Sullair for more information

AF *See pg 29 for additional information on Aftercooled or Aftercooled and Filtered models available*

MODEL	750XHH/900XH (T3)	900XHH/1150XH (T3)
PERFORMANCE		
Actual Delivery *cfm (m³/min)*	750/900 (21.2/25.5)	900/1150 (25.5/32.6)
Rated Pressure *psig (bar)*	500/350 (34.5/24.1)	500/350 (34.5/24.1)
Pressure Range, min *psig (bar)*	200 (13.8)	200 (13.8)
Pressure Range, max *psig (bar)*	500 (34.5)	500 (34.5)
Fuel Consumption 100% Load *gph (l/h)*	21.6 (81.8)	27.8 (105.2)
Max. Operating Altitude *ft (m)*	11,000 (3353)	12,400 (3780)
ENGINE		
Make & Model	CAT C-15ATAAC (T3)	CAT C-15ATAAC (T3)
Operating Speed *rpm*	1800	1800
Available Power *bhp (kW)*	475 (354)	540 (403)
Displacement *in³ (cm³)*	928 (15,207)	928 (15,207)
Cooling System Capacity *gal (l)*	32 (121)	32 (121)
Engine Oil Capacity *qts (l)*	36 (34)	36 (34)
Fuel Tank Capacity *gal (l)*	190 (719)	190 (719)
Electrical System Voltage	24	24
Battery Rating *CCA*	1375	1375
COMPRESSOR		
Service Valves *No. & (Size)*	1 (2˝)	1 (2˝)
Compressor Oil Capacity *gal (l)*	58 (220)	58 (220)
Receiver Tank Volume *ft³ (m³)*	13 (.37)	13 (.37)
DTQ PACKAGE — TRI-AXLE		
Working Weight *lbs (kg)*	16,040 (7276)	16,040 (7276)
Dry Weight *lbs (kg)*	14,710 (6672)	14,710 (6672)
Length *in (mm)*	231 (5867)	231 (5867)
Width *in (mm)*	88 (2235)	88 (2235)
Height *in (mm)*	93 (2362)	93 (2362)
Track Width *in (mm)*	81 (2050)	81 (2050)
Max Towing Speed *mph (km/h)*	55 (89)	55 (89)
Axle Rating *lbs (kg)*	6000 (2722)	6000 (2722)
Tire Size	ST235/80R16 E	ST235/80R16 E
DWQ PACKAGE — 4 WHEEL		
Working Weight *lbs (kg)*	15,630 (7090)	15,710 (7126)
Dry Weight *lbs (kg)*	14,300 (6486)	14,380 (6523)
Length *in (mm)*	244 (6198)	244 (6198)
Width *in (mm)*	88 (2235)	88 (2235)
Height *in (mm)*	98 (2489)	98 (2489)
Track Width *in (mm)*	81 (2050)	81 (2050)
Max Towing Speed *mph (km/h)*	78 (1981)	78 (1981)
Axle Rating *lbs (kg)*	12,000 (5443)	12,000 (5443)
Tire Size	8.25R15R G w/tube	8.25R15R G w/tube
DLQ PACKAGE		
Working Weight *lbs (kg)*	14,850 (6736)	14,940 (6777)
Dry Weight *lbs (kg)*	13,520 (6133)	13,610 (6173)
Length *in (mm)*	189 (4801)	189 (4801)
Width *in (mm)*	88 (2235)	88 (2235)
Height *in (mm)*	83 (2108)	83 (2108)

Models vary by region. Contact your Sullair sales representative for more details.

OPEN FRAME FAMILY

Rotary Screw Compressor

THE SULLAIR 750XHH/900XHDL

750 cfm at 500 psig — 21.2 m³/min at 35 bar
900 cfm at 350 psig — 25.5 m³/min at 24 bar

Available in T3 AF

THE SULLAIR 900XHH/1150XHDL

900 cfm at 500 psig — 25.5 m³/min at 35 bar
1150 cfm at 350 psig — 32.6 m³/min at 24 bar

Available in T3 AF

THE SULLAIR 1150XHH/1350XHDL

1150 cfm at 500 psig — 32.6 m³/min at 35 bar
1350 cfm at 350 psig — 38.2 m³/min at 24 bar

Available in T3 AF

THE SULLAIR 1525XHDL

1525 cfm at 350 psig — 43.2 m³/min at 24 bar

Available in T3 AF

Open Frame Design
- Designed for stationary applications
- Heavy duty frame with mounting feet
- Fluid containment within frame and remote drain valves
- Single point lifting bail
- Unit provided with quick connect couplings for remote fuel tanks

COMPASS® Electronic Engine Control Gauges and LCD Graphic Display indicate:
- Discharge pressure and temperature
- Ambient air temperature
- Separator restriction
- Aftercooler air temperature and louver activation (if equipped) (approach temperature on AC machines)
- Engine speed, hours of operation, coolant level and temperature
- Voltage
- Fuel level, usage rate, pressure and temperature
- Percent engine load
- Engine air temperature and oil pressure
- Compressor and engine status
- Engine diagnostic service port
- Displays diagnostic messages
- Shutdown history for all monitored system parameters

Indicator Lights for:
- Low fuel
- High compressor temperature
- Compressor shutdown and warning
- Engine shutdown and warning

Dual Capacity/Dual Pressure
- Two-stage air end achieves dual performance
- Two distinct compressor models in one package

0 to 100% Capacity Control
- Automatic inlet valve and unloaded starting

HPL1500 Compressor Fluid
- Best-in-Class 1500-hour change interval
- Resists sludge and varnish

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 HPL1500 compressor fluid and filters
- Diesel engine warranty applies — contact Sullair for more information

Model details & specifications inside

AF *See pg 29 for additional information on Aftercooled or Aftercooled and Filtered models available*

MODEL	750XHH/900XHDL (T3)	900XHH/1150XHDL (T3)	1150XHH/1350XHDL (T3)	1525XHDL (T3)
PERFORMANCE				
Actual Delivery *cfm (m³/min)*	750/900 (21.2/25.5)	900/1150(25.5/32.6)	1150/1350 (32.6/38.2)	1525 (43.2)
Rated Pressure *psig (bar)*	500/350 (34.5/24.1)	500/350 (34.5/24.1)	500/350 (34.5/24.1)	350 (24.1)
Pressure Range, min *psig (bar)*	200 (2900)	200 (2900)	200 (2900)	200 (2900)
Pressure Range, max *psig (bar)*	500 (34.5)	500 (34.5)	500 (34.5)	350 (24.1)
Fuel Consumption Full Load *gal/h (l/h)*	21.6 (81.8)	27.8 (105.2)	30 (113.4)	32.1 (121.5)
Max. Operating Altitude *ft (m)*	8000/9500 (2440/2895)	8000/9500 (2440/2895)	8000/9500 (2440/2895)	8000/9500 (2440/2895)
ENGINE				
Make & Model	CAT C-15 ATAAC (T3)	CAT C-15 ATAAC (T3)	CAT C-18 ATAAC (T3)	CAT C-18ATAAC(T3)
Cylinders	6	6	6	6
Operating Speed *rpm*	1800	1800	1800	1800
Available Power *bhp (kW)*	475 (354)	540 (403)	630 (470)	700 (522)
Displacement *in³ (l)*	928 (15,207)	928 (15,207)	1105 (18,108)	1105 (18,108)
Cooling System Capacity *gal (l)*	13 (49.2)	13 (49.2)	13 (49.2)	13 (49.2)
Engine Oil Capacity *qts (l)*	36 (34.1)	36 (34.1)	36 (34.1)	36 (34.1)
Fuel Tank Capacity *gal (l)*	200 (757.1)	200 (757.1)	200 (757.1)	200 (757.1)
Electrical System Voltage	24	24	24	24
Battery Rating *CCA*	1375	1375	1375	1375
DEF Consumption % of Fuel	2.3%	2.3%	2.3%	2.3%
COMPRESSOR				
Service Valves *No. & (Size)*	1–2 (3˝)	1–2 (3˝)	1–2 (3˝)	1–2 (3˝)
Compressor Oil Capacity *gal (l)*	47.85 (180)	47.85 (180)	47.85 (180)	47.85 (180)
Receiver Tank Volume *ft³ (m³)*	12.5 (0.354)	12.5 (0.354)	12.5 (0.354)	12.5 (0.354)
DUQ PACKAGE				
Working Weight *lbs (kg)*	13,050 (5919)	13,050 (5919)	14,670 (6654)	14,670 (6654)
Length *in (mm)*	184 (4684)	184 (4684)	184 (4684)	184 (4684)
Width *in (mm)*	84 (2121)	84 (2121)	84 (2121)	84 (2121)
Height *in (mm)*	91 (2299)	91 (2299)	91 (2299)	89 (2271)

Models vary by region. Contact your Sullair sales representative for more details.

ELECTRIC RENTAL PACKAGES

for backup, replacement or emergency air

THE SULLAIR TSR-20

380–970 cfm at 100–175 psig — 10.8–27.5 m³/min at 7–12 bar

THE SULLAIR TSR-32

784–1600 cfm at 100–175 psig — 22–44.8 m³/min at 7–12 bar

THE SULLAIR DR-13

Class 0 Oil Free Air

428–785 cfm at 100–150 psig — 12.1–22.2 m³/min at 8.5 bar

OIL FREE

SULLAIR RDHL CONSTRUCTION AND RENTAL DRYERS

600–1600 scfm — -40˚F (-40˚C) pressure dew point

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 Variable Speed Drives, 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 draggable 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 spill proof base plate

Versatile — Air-cooled package, suitable for outdoors, cold weather protection to -20°F, self-contained package, 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

RDHL Construction Dryers

- Rugged draggable skid suited for the rental industry
- Pre- and after-filters with DP gauges to assure instrument quality air
- Timer drain on pre-filter
- NEMA 4 electrics enclosure
- Available as 24v DC or 115v AC
- Options include cold weather package, pneumatic controls, pneumatic motor, aftercooler with moisture separator and demand cycle control

Model details & specifications inside

PERFORMANCE								
TSR-20 MODEL	100L	100H	100HH	100XH	125L	125H	125HH	125XH
Capacity *acfm (m³/min)*	555 (15.7)	485 (13.7)	430 (12.2)	380 (10.8)	685 (19.4)	615 (17.4)	555 (15.7)	495 (14)
Pressure *psig (bar)*	100 (7)	125 (8.5)	150 (10)	175 (12)	100 (7)	125 (8.5)	150 (10)	175 (12)
	150L	150H	150HH	150XH	200L	200H	200HH	200XH
Capacity *acfm (m³/min)*	851 (23.1)	740 (21)	680 (19.3)	610 (17.3)	970 (27.5)	900 (25.5)	845 (23.9)	775 (21.9)
Pressure *psig (bar)*	100 (7)	125 (8.5)	150 (10)	175 (12)	100 (7)	125 (8.5)	150 (10)	175 (12)

PERFORMANCE								
TSR-32 MODEL	200L	200H	200HH	200XH	250L	250H	250HH	250XH
Capacity *acfm (m³/min)*	1085 (30.3)	970 (27.1)	856 (23.9)	784 (21.9)	1346 (37.6)	1225 (34.3)	1108 (31)	1000 (28)
Pressure *psig (bar)*	100 (7)	125 (8.5)	150 (10)	175 (12)	100 (7)	125 (8.5)	150 (10)	175 (12)
	300L	300H	300HH	300XH	TSR (FIXED SPEED)			
Capacity *acfm (m³/min)*	1600 (44.8)	1435 (40.1)	1315 (36.8)	1225 (34.3)	1440 (40.3)			
Pressure *psig (bar)*	100 (7)	125 (8.5)	150 (10)	175 (12)	125 (8.5)			

PERFORMANCE				
DR-13 MODEL	100	125	150	200
Capacity *acfm (m³/min)*	428 (12.1)	517 (14.6)	640 (18.1)	785 (22.2)
Full Load Pressure *psig (bar)*	125 (8.5)	125 (8.5)	125 (8.5)	125 (8.5)
Motor *hp (kW)*	100 (75)	125 (93)	150 (112)	200 (149)

RDHL DRYER SPECIFICATIONS									
MODEL	FLOW @ 100 psig scfm (m³/min)	FLOW @125 psig scfm (m³/min)	FLOW @ 150 psig scfm (m³/min)	FLOW @ 175 psig scfm (m³/min)	INLET & OUTLET SIZE	WEIGHT WITH DESICCANT lbs (kg)	LENGTH in (mm)	WIDTH in (mm)	HEIGHT in (mm)
RDHL-600	600 (17)	660 (18.7)	720 (20.4)	775 (21.9)	2˝ FLG	2800 (1270)	50 (1270)	50 (1270)	90 (2286)
RDHL-800	800 (22.7)	880 (24.9)	960 (27.2)	1050 (29.7)	3˝ FLG	3600 (1632)	70 (1778)	70 (1778)	94 (2387)
RDHL-1000	1000 (28.3)	1100 (31.1)	1200 (34)	1300 (36.8)	3˝ FLG	4500 (2041)	102 (2590)	75 (1905)	95 (2413)
RDHL-1400	1400 (39.6)	1540 (43.6)	1680 (47.6)	1800 (51)	3˝ FLG	5200 (2358)	120 (3048)	80 (2032)	95 (2413)
RDHL-1600	1600 (45.3)	1760 (49.8)	1920 (54.5)	2050 (58)	3˝ FLG	5800 (2630)	120 (3048)	80 (2032)	95 (2413)

Models vary by region. Contact your Sullair sales representative for more details.

SULLAIR AIR TOOLS

Hassle Free Warranty

- Covers manufacturing defects and normal operation wear
- Applies to tools with an invoice date after February 1, 2017
- 6-month warranty includes a new replacement tool for any failed tool
- Sullair Pneumatic Tool warranty periods vary per tool — see warranty policy for specific warranty period information
- To file a claim and order a replacement tool, contact Sullair CRC at crc@sullair.com
- Customer to pay return freight

PAVEMENT BREAKERS

- 30% fewer parts than conventional breakers
- Smoother operation — reduced kickback
- Quieter — direct piston impact on steel shank, rather than tappet, reduces noise level
- Less air consumption
- Variable speed throttle for controlled starting
- No special lubrication required

CHIPPING HAMMERS

- Four bolt backhead reduces handle breakage
- D-handle
- No special lubrication required
- Two air inlet bushings — 7/8 – 24 and 3/8″ NPT internal
- Choice of stroke length 2″, 3″ or 4″
- Choice of bushings — round or hex
- Oval retainers standard. Ball and round collar retainer styles available as accessory
- Rotatable Exhaust Deflector

RIVET BUSTERS

- D-handle standard with inside trigger throttle
- Muffler and screened inlet bushing on D-handle models
- Interchangeable parts within model types reduces inventory
- Variable throttle speed control

DEMOLITION TOOLS

- Smoother operation — reduced kickback
- No special lubrication required
- One-piece housing — leakproof air cushion
- Variable speed throttle for controlled starting
- Exhaust deflector
- Plated finish

ROCK DRILLS

- Throttle safety lever
- Variable drilling speeds
- One piece control for drilling and blowing
- Fewer parts — less maintenance
- Continuous hole cleaning
- Built-in oil reservoir for rotating parts
- Direct rotation or piston — eliminates wear on parts

UTILITY DRILLS

- Built-in oil reservoir for rotating parts
- Air flush blows debris from the hole
- Variable speed throttle
- Squared handle allows drilling close to wall or floor
- Quick change retainer for easy bit changing
- Air inlets 3/8″ NPT internal standard

BACKFILL TAMPER

- Greater operator comfort — less fatigue
- Plated finish
- Self lubricating piston rod seals prevent dirt from entering tool
- No packing adjustment required
- Exhaust deflector
- No special lubrication required

* *Normal oil carryover from the compressor, combined with moisture in the air, will usually provide sufficient lubrication under normal operating conditions.*

Models vary by region. Contact your Sullair sales representative for more details.

PAVEMENT BREAKERS — STANDARD "T" HANDLE

MODEL	DESCRIPTION	BORE X STROKE	BPM	CFM
MPB-90A	92 lb 1 1/8″ HX x 6″ Chuck	2 7/16″ x 5 9/32″	1380	62
MPB-90A	92 lb 1 1/4″ HX x 6″ Chuck	2 7/16″ x 5 9/32″	1380	62
MPB-60A	69 lb 1 1/8″ HX x 6″ Chuck	2 5/32″ x 5 5/32″	1360	48
MPB-60A	69 lb 1 1/4″ HX x 6″ Chuck	2 5/32″ x 5 5/32″	1360	48
MPB-35C	39 lb 1″ HX x 4 1/4″ Chuck	1 3/4″ x 5 5/16″	1200	49
MPB-30A	35 1/2 lb 7/8″ HX x 3 1/4″ Chuck	1 25/32″ x 3 25/32″	1850	37
MPB-30A	35 1/2 lb 1″ HX x 4 1/4″ Chuck	1 25/32″ x 3 25/32″	1850	37

CHIPPING HAMMERS — 4 BOLT HANDLE – STANDARD OVAL RETAINER (OPTIONAL RETAINERS AVAILABLE)

MODEL	DESCRIPTION	BORE X STROKE	BPM	CFM
MCH-2	.680 Round Chuck	1 1/8″ x 5″	3600	34
MCH-3	.680 Round Chuck	1 1/8″ x 5″	2280	33
MCH-4	.680 Round Chuck	1 1/8″ x 4 1/4″	1800	30
MCH-2	.580 HX Chuck	1 1/8″ x 5″	3600	34
MCH-3	.580 HX Chuck	1 1/8″ x 5″	2280	33
MCH-4	.580 HX Chuck	1 1/8″ x 4 1/4″	1800	30

RIVET BUSTERS

MODEL	DESCRIPTION	BORE X STROKE	BPM	CFM
MRB-8	30 lb 11X Jumbo	1 3/16″ x 8″	1140	44
MRB-11	33 lb 11X Jumbo	1 3/16″ x 8″	850	50

DEMOLITION TOOLS

MODEL	DESCRIPTION	BORE X STROKE	BPM	CFM
MDT-22	24 lb "D" Handle 7/8″ HX x 3 1/4″ Chuck	1 1/2″ x 4 1/2″	1150	33
MDT-30	33 lb "D" Handle 11 x Jumbo Shank	1 3/8″ x 7 3/8″	1080	37

ROCK DRILLS — DRY BLOW TYPE

MODEL	DESCRIPTION	BORE X STROKE	BPM	CFM
MRD-9	9 lb 3/4″ HX x 3 3/4″ Chuck	1″ x 1 3/8″	2800	21
MRD-30	34 lb 7/8″ HX x 3 1/4″ Chuck	2 9/32″ x 1 3/4″	2300	53
MRD-30	34 lb 7/8″ HX x 4 1/4″ Chuck	2 9/32″ x 1 3/4″	2300	53
MRD-40	45 1/2 lb 7/8″ HX x 3 1/4″ Chuck	2 11/16″ x 2 3/8″	1800	80
MRD-40	45 1/2 lb 7/8″ HX x 4 1/4″ Chuck	2 11/16″ x 2 3/8″	1800	80
MRD-40	45 1/2 lb 1″ HX x 4 1/4″ Chuck	2 11/16″ x 2 3/8″	1800	80
MRD-50	48 1/2 lb 7/8″ HX x 3 1/4″ Chuck	3″ x 2 5/8″	1800	99
MRD-50	48 1/2 lb 7/8″ HX x 4 1/4″ Chuck	3″ x 2 5/8″	1800	99
MRD-50	48 1/2 lb 1″ HX x 4 1/4″ Chuck	3″ x 2 5/8″	1800	99

BACKFILL TAMPER

MODEL	DESCRIPTION	BORE X STROKE	BPM	CFM
MBT-6	40 1/2 lb with 6″ Steel Butt	1 1/2″ x 5 1/2″	500	32

AIR CONSUMPTION MULTIPLIERS FOR ALTITUDE OPERATION OF PNEUMATIC TOOLS

The air consumption rate of various pneumatic tools is set by manufacturers at sea level conditions. To allow proper application of the tool at altitude, the required free air volume must be increased above the normal rating. The Altitude Multiplier Table gives the multipliers for this increase.

Although pneumatic tools vary somewhat due to design and manufacturer, the use of this multiplier provides reliable values. The table does not take into account any reduction in compressor capacity due to altitude operation or loss of performance due to worn parts.

AIR CONSUMPTION ALTITUDE MULTIPLIER

ALTITUDE-FEET	MULTIPLIER
0 (Sea Level)	1.000
1000	1.032
2000	1.065
3000	1.100
4000	1.136
5000	1.174
6000	1.213
7000	1.255
8000	1.298
9000	1.343
10,000	1.391
12,500	1.520
15,000	1.665

EFFECT OF ALTITUDE ON OIL COOLED ROTARY SCREW COMPRESSOR CAPACITY AT 100 psig DISCHARGE PRESSURE

ALTITUDE-FEET	COMPRESSION RATIO	COMPRESSION FACTOR
0 (Sea Level)	7.81	1.0
1000	8.05	1.0
2000	8.35	0.999
3000	8.63	0.997
4000	8.94	0.993
5000	9.27	0.989
6000	9.55	0.983
7000	9.93	0.977
8000	10.26	0.969
9000	10.62	0.961
10,000	11.00	0.951

Models vary by region. Contact your Sullair sales representative for more details.

GUNITE APPLICATIONS

Due to the wide variety of applications, various sizes of guns, types of drive mechanisms and the experience of different nozzlemen, the compressed air requirements for gunite applications cannot be charted.

Air flow requirements must be obtained from the manufacturer of the gunite equipment. Air pressure requirements are generally in the 55–85 psig range. To protect the compressor, only about 70 percent of its rated free air capacity should be used in gunite applications.

AVERAGE GUIDE FOR PORTABLE AIR COMPRESSOR REQUIREMENTS

COMPRESSOR cfm		90	110	185	260	375
MODEL	AIR TOOL	NUMBER OF TOOLS/COMPRESSOR				
MPB-90A	Pavement Breaker	1	1	3	5	8
MPB-60A	Pavement Breaker	1	2	4	6	10
MPB-35C	Pavement Breaker	1	2	4	6	11
MPB-30A	Pavement Breaker	2	3	6	8	12
MBT-6	Tamper	3	4	7	10	16
MRD-50	Rock Drill	–	1	2	2	4
MRD-40	Rock Drill	1	1	2	4	5
MRD-30	Rock Drill	1	2	4	6	9
MCH-2	Chipping Hammer	3	4	7	10	15
MRD-9	Utility Drill	5	6	8	10	14

cfm x Number of Tools Ratio

For operation of several tools with one compressor, use the following table.

Number of Tools	1	2	3	4	5	6	7	8
Factor	1	1.8	2.7	3.4	4.1	4.8	5.4	6.0

Example: *To operate eight Model MPB-90A Paving Breakers air for each is 62 cfm: multiplier is 6 x 62 cfm = 372 cfm. Consequently a 375 portable would handle eight breakers.*

METRIC-TO-US CONVERSION GUIDE

TO CONVERT FROM	TO	MULTIPLY BY
bar	lbs/sq in (psig)	14.5038
Kilopascal (kPa)	lbs/sq in (psig)	0.1450
m^3/min	cfm	35.3147
liter per minute (l/min)	gallons per minute (gpm)	0.2642
kilometer/hour (km/h)	miles/hour (mph)	0.6214
kilowatt (kW)	horsepower (hp)	1.3405
meter (m)	feet (ft)	3.2808
kilogram (kg)	pounds (lb)	2.2046
cubic centimeter (cm^3)	cubic inches (in^3)	0.0610
Newton meter (N•m)	pound feet (lb-ft)	0.7376

SULLAIR AIR TOOLS

Applications Guide

SULLAIR MODEL	TOOL CLASS	DESCRIPTION	WEIGHT	APPLICATIONS	CFM @ 90 PSIG
MCH-2/3/4	15#	Chipping Hammer	16–19 lbs	For chipping in horizontal and overhead applications. Also used in industrial applications.	30-34
MRB-8/11	30#	Rivet Buster	30–33 lbs	For cutting and driving large rivets, and heavy duty demo work.	44–50
MPB-30A	30#	Light Pavement Breaker	35.5 lbs	For breaking light concrete and other light jobs.	37
MPB-35C	40#	Light Pavement Breaker	39 lbs	For concrete bridge deck and general demo work.	49
MPB-60A	60#	Medium Pavement Breaker	69.5 lbs	For concrete road breaking and general demo work.	48
MPB-90A	90#	Heavy Pavement Breaker	92 lbs	For difficult, heavy demo work breaking tough, reinforced concrete.	62
MDT-22	20#	Light Demolition Tool	24.7 lbs	For excavation of clay and hardpan. Also for light demolition work in horizontal position.	33.4
MDT-30	30#	Medium Demolition Tool	33 lbs	Medium demolition work.	37
MBT-6	35#	Backfill Tamper	40.5 lbs	For compacting backfill in ditches and trenches. Also used around foundations and poles.	32
MRD-9	9#	Hammer Drill	9 lbs	For construction and maintenance, setting anchors and drilling holes in concrete and bricks.	21
MRD-30	30#	Light Rock Drill	34 lbs	For construction and maintenance, setting anchors and drilling holes in concrete and bricks.	53
MRD-40	40#	Light Rock Drill	45.5 lbs	Drill for depths up to 6 feet and 1½˝ diameter	80
MRD-50	50#	Medium Rock Drill	48.5 lbs	Drill for depths up to 10 feet and 1¾˝ diameter.	99

Application information is a general guideline. Actual performance may vary based on the type of material, environment, operator experience and condition of equipment. Tools must have adequate air supply and sharp bits. Drilling depth may be lower in hard rock. Rock drills require additional lubrication; see operators manual for details.

ABRASIVE BLASTING

Abrasive blasting equipment manufacturers recommend air pressures of 90 to 100 psig be used to 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 does not take frictional losses into account. To protect the compressor and to provide additional reserve for a greater air demand as the abrasive nozzle wears, only 70 percent of a compressor's rated output should be used.

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

ABRASIVE NOZZLE AIR CONSUMPTION

APPROXIMATE AIR CONSUMPTION (CFM) PER BLAST NOZZLE

NOZZLE SIZE	NOZZLE PRESURE (psig)						
	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 PRESURE (psig)						
	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® ALL WEATHER FLUID

AWF is a multiviscosity, highly refined petroleum-based fluid that combines easy cold-weather starting and warmup with exceptional lubrication in hot or severe conditions.

- Designed for extreme weather conditions
- Long life — up to 1500 hours
- Excellent for temperature shifts and dirty environments
- Highly resistant to varnish in hot operating conditions
- Highly tolerant of water under humid conditions

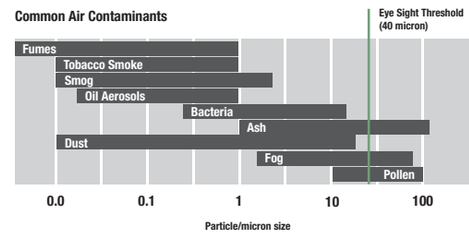
SULLAIR HPL 1500 HIGH PRESSURE PORTABLE COMPRESSOR FLUID

HPL 1500 is a multi-viscosity, highly refined synthetic hydrocarbon fluid. Specially formulated to optimize performance in severe duty, high pressure applications, HPL 1500 excels in tough applications like oil drilling and pipeline service that demand high performance and extended fluid change intervals.

- Designed for portable compressors 350 psig and above
- Best-in-class 1500-hour change interval
- Resists sludge and varnish
- Starts faster and runs cooler
- Provides advanced wear and corrosion protection

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

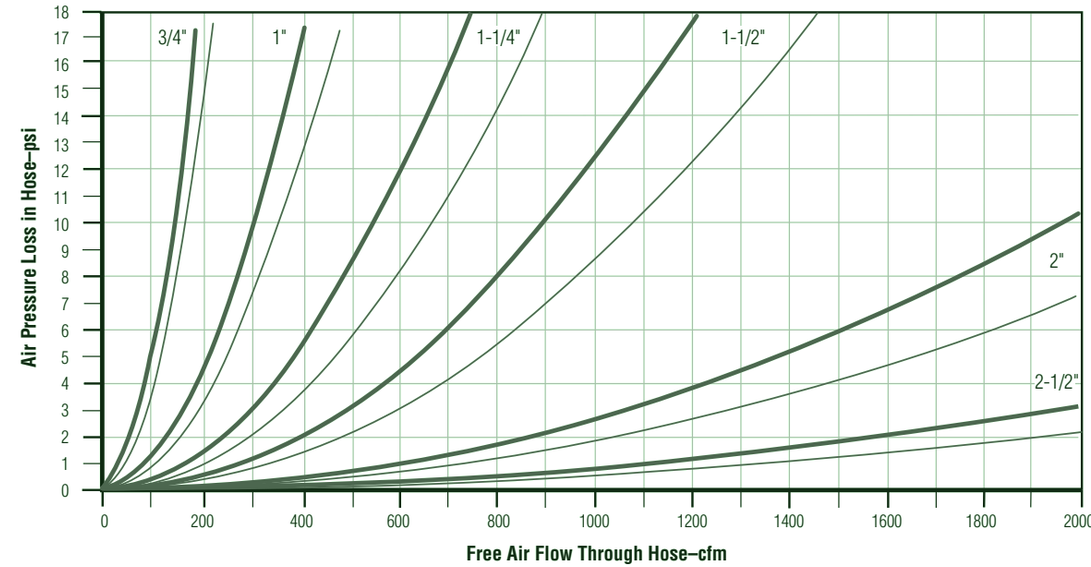
- Aftercooler and moisture separator
- Primary and secondary filters remove particulate to 0.01 micron and aerosols to 0.01ppm
- Filter warning and shutdown system helps prevent downstream contamination



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.

Air Pressure Loss in Hose-50 Foot Length (100 psig Inlet Pressure =/ and 150 psig Inlet Pressure =/)



Example #1: A customer has a 185 cfm air compressor equipped with 100′ of ¾″ hose to operate a Sullair 90 pound paving breaker. The 90 pound paving breaker requires 62 cfm to operate. How much pressure loss can the customer expect at the tool if the compressor is providing 100 psig inlet pressure?

Answer: Since the air tool requires 62 cfm of air to function, at 62 cfm of air flow through the ¾″ hose, approximately, 2 psig pressure loss is expected in a 50 foot length of ¾″ air hose. Since the customer has 100′ of hose, multiply the pressure loss by 2, and the customer can expect 4 psig pressure loss (2 x 2 psig = 4 psig).

Example #2: An abrasive blasting contractor has 200 feet of 2″ air hose to be used from the compressor to the blast pot. With the 1500 cfm he will need to supply his blast pot and nozzles, how much pressure loss can the contractor expect in the 2″ hose? And, what would his pressure loss be with a 2½″ hose? Also, can the contractor use his Sullair 1600H (1600 cfm at 150 psig) with either hose? Which hose would be more efficient and yield lower fuel costs?

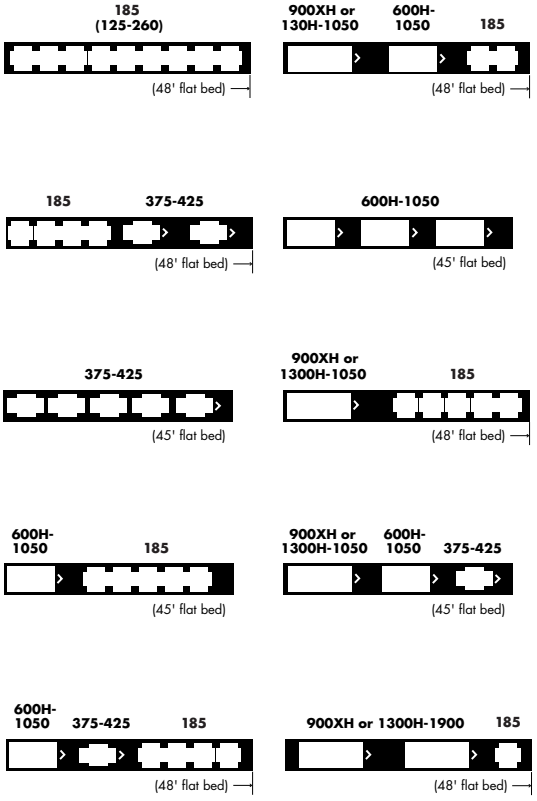
Answer (part I): From the chart at 1500 cfm, a 50′ hose length of 2″ hose will have approximately 6 psig pressure loss. 200′ of hose is equivalent to four 50′ lengths. Therefore, 4 x 6 psig equals 24 psig (approximate) pressure drop.

Answer (part II): A 2½″ air hose would have approximately less than 2 psig pressure loss in a 50′ length or less than 8 psig pressure loss in a 200′ length (4 x 2 psig = 8 psig 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 psig higher. Higher pressure at the air compressor means greater horsepower required by the engine which means more fuel. The 2½″ hose would be the better economical choice with a much lower pressure loss.

PORTABLE COMPRESSOR TRUCK LOADING COMBINATIONS



48′ Flat Bed

9 x 185

4 x 300HH-425H

1 x 300HH-425H
6 x 185

2 x 300HH-425H
4 x 185

2 x 900XHH/1150XH or 1600H

48′ Flat Bed

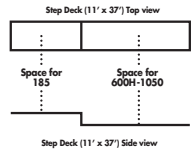
1 x 900XHH/1150XH or 1600H
5 x 185

1 x 900XHH/1150XH or 1600H
1 x 300HH-425H

48′ Step Deck

1 x 600H-1050
5 x 185

1 x 600H-1050
1 x 300HH-425H



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

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