

SULLAIR CONSTRUCTION EQUIPMENT

FEATURES AND SPECIFICATIONS



Sullair Corporation
3700 East Michigan Boulevard
Michigan City, IN 46360
Telephone: 219-879-5451

www.sullair.com

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APPLICATIONS:

- Construction Demolition
- Sand and Media Blasting Painting
- Manufacturing and Industrial Processing
- Material Handling
- Utility Construction and Repair Rock Drilling
- Water Well Drilling Pile Driving
- Gunite Spraying Snow Making





THE SULLAIR 125
125 CFM AT 100 PSIG—3.5 M3/MIN AT 7 BAR



THE SULLAIR 130
130 CFM AT 100 PSIG—3.7 M3/MIN AT 7 BAR



THE SULLAIR 49HP
160 CFM AT 100 PSIG—4.5 M3/MIN AT 7 BAR



THE SULLAIR 185
185 CFM AT 100 PSIG—5.2 M3/MIN AT 7 BAR

Designed for Total Accessibility and Reliability

Rotary Screw Compressor

Clam Shell Canopy

- Canopy opens fully with gas assist springs.
- Serviceable components within easy reach, routine maintenance is simplified.

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.
- Rear bumper

Curbside Instrument Panel

- Hinged, padlockable cover.
- Mechanical air pressure gauge and hourmeter.
- 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.

Air End Warranty

- 5 year or 10,000 hour warranty when continuously serviced at the recommended intervals with Sullair AWF Compressor Fluid and filters
- 2 year standard warranty.

Quiet Operation

- Meets US EPA Sound requirements of 76dBA @ 7 meters.



THE SULLAIR 225H

225 CFM AT 150 PSIG—6.4 M³/MIN AT 10 BAR



THE SULLAIR 260

260 CFM AT 100 PSIG—7.4 M³/MIN AT 7 BAR



THE SULLAIR 300HH

300 CFM AT 200 PSIG—8.5 M³/MIN AT 14 BAR

Designed for Total Accessibility and Reliability

Rotary Screw Compressor

Ample 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.
- Routine maintenance is simplified.
- Reduced downtime and service cost.
- Service doors feature non-rusting hinges and stainless steel T-type door retainers.

Multi-Piece Canopy

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

0 to 100% Capacity Control

- Pneumatic inlet valve and unloaded starting.

Highway Towable Running Gear

- 3" square drawbar.
- Adjustable height hitch.
- Quick-change hitch.
- Screw jack with pad.
- Transport security chains.
- E-Z lube axle lubrication.
- Heavy duty leaf spring suspension.
- Tail lights

Curbside Instrument Panel

- Hinged, padlockable cover.
- Mechanical air pressure gauge, hourmeter, ignition start switch.
- Shutdown System Annunciation Module.
- 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)

Protective Shutdown Switches

- High engine temperature, low engine oil pressure, high compressor discharge temperature, low engine speed and low fuel level (on 300HH only).

Two-Stage Dry Type Air Filters

- Separate filters for engine and compressor.

AWF Compressor Fluid

- All-weather, all-climate fluid.

Quiet Operation

- Meets US EPA Sound requirements of 76dBA @ 7 meters.

Model	225H	225H	260	260	300HH	300HH	300HH T2 EXPORT ONLY
GENERAL							
Actual Delivery—cfm (m ³ /min)	225 (6.4)	225 (6.4)	260 (7.4)	260 (7.4)	300 (8.5)	300 (8.5)	300 (8.5)
Rated Pressure—psig (bar)	150 (10)	150 (10)	100 (7)	100 (7)	200 (14)	200 (14)	200 (14)
Pressure Range, mini—psig (bar)	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)	150 (10)	150 (10)	125 (8.6)	125 (8.6)	200 (14)	200 (14)	200 (14)
ENGINE							
Make and Model	JD5030T(T2)	CA3.4(T3)	JD5030T(T2)	CA3.4(T3)	JD4045HF(T3)	CATC4.4(T3)	CATC4.4(T2)
Operating Speed—rpm	2500	2500	2500	2500	2200	2200	2200
Available power—BHP (kW)	82 (61)	83 (62)	82 (61)	83 (62)	140 (104)	130 (97)	129 (96)
Displacement—in ³ (cm ³)	186 (3048)	201 (3272)	186 (3028)	201 (3272)	275 (4507)	269 (4409)	268 (4392)
Cooling System Capacity—gal (L)	4 (15.1)	4 (15.1)	4 (15.1)	4 (15.1)	4 (15.1)	4 (15.1)	4 (15.1)
Engine Oil Capacity—Qts (L)	11 (10.4)	9 (8.5)	11 (10.4)	9 (8.5)	9 (8.5)	7.3 (6.9)	7.3 (6.9)
Fuel Tank Capacity—gal (L)	35 (132.5)	35 (132.5)	35 (132.5)	35 (132.5)	56 (211.9)	56 (211.9)	56 (211.9)
Electrical System Voltage—V	12	12	12	12	12	12	12
Battery Rating—CCA	780	780	780	780	1100	1100	1100
COMPRESSOR							
Service Valves—No. & (Size)	(2) (¾")	(2) (¾")	(2) (¾")	(2) (¾")	(2) (¾")	(2) (¾")	(2) (¾")
Compressor Oil Capacity—gal (L)	3 (11.4)	3 (11.4)	5 (11.4)	5 (11.4)	7 (26.5)	7 (26.5)	7 (26.5)
Receiver Tank Volume—ft ³ (m ³)	1.43 (0.04)	1.43 (0.04)	1.43 (0.04)	1.43 (0.04)	2.46 (0.07)	2.46 (0.07)	2.46 (0.07)
DPQ PACKAGE							
Working Weight—lbs (kg)	2720 (1234)	2640 (1197)	2840 (1288)	2760 (1252)	4440 (2014)	4420 (2005)	4420 (2005)
Dry Weight —lbs (kg)	2475 (1123)	2395 (1086)	2595 (1177)	2515 (1141)	4050 (1837)	4030 (1828)	4030 (1828)
Length—in (mm)	143.3 (3640)	143.3 (3640)	143.3 (3640)	143.3 (3640)	156.1 (3966)	156.1 (3966)	156.1 (3966)
Width—in (mm)	65.4 (1661)	65.4 (1661)	65.4 (1661)	65.4 (1661)	77.2 (1960)	77.2 (1960)	77.2 (1960)
Height—in (mm)	59.9 (1521)	59.9 (1521)	59.9 (1521)	59.9 (1521)	74 (1980)	74 (1980)	74 (1980)
Track Width—in (mm)	55 (1397)	55 (1397)	55 (1397)	55 (1397)	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)	55 (89)
Axle Rating—lbs (kg)	3500 (1588)	3500 (1588)	3500 (1588)	3500 (1588)	5000 (2268)	5000 (2268)	5000 (2268)
Tire Size	F78 x 15(C)	F78 x 15(C)	F78 x 15(C)	F78 x 15(C)	H78 x 15ST(D)	H78 x 15ST(D)	H78 x 15ST(D)
DLQ PACKAGE							
Working Weight—lbs (kg)	2465 (1118)	2385 (1082)	2585 (1173)	2505 (1136)	4195 (1903)	4175 (1894)	4175 (1894)
Dry Weight —lbs (kg)	2220 (1007)	2140 (971)	2340 (1061)	2260 (1025)	3805 (1726)	3785 (1717)	3785 (1717)
Length—in (mm)	85.1 (2162)	85.1 (2162)	85.1 (2162)	85.1 (2162)	98.8 (2510)	98.8 (2510)	98.8 (2510)
Width—in (mm)	47.5 (1207)	47.5 (1207)	47.5 (1207)	47.5 (1207)	59.3 (1506)	59.3 (1506)	59.3 (1506)
Height—in (mm)	49.0 (1245)	49.0 (1245)	49 (1245)	49 (1245)	63.6 (1616)	63.6 (1616)	63.6 (1616)
PERFORMANCE							
Fuel Consumption 100% load— GPH (L/h)	4.10 (15.5)	3.67 (13.9)	4.10 (15.5)	3.67 (13.9)	6.55 (24.8)	6.45 (24.4)	6.11 (23.1)
Max Operating Altitude—ft (m)	11000 (3353)	11000 (3353)	11000 (3353)	11000 (3353)	10000 (3048)	10000 (3048)	10000 (3048)



THE SULLAIR 375

375 CFM AT 100 PSIG—10.6 M³/MIN AT 7 BAR



THE SULLAIR 375H

375 CFM AT 150 PSIG—10.6 M³/MIN AT 10 BAR



THE SULLAIR 425

425 CFM AT 100 PSIG—12 M³/MIN AT 7 BAR



THE SULLAIR 425H

425 CFM AT 150 PSIG—12 M³/MIN AT 10 BAR

Designed for Total Accessibility and Reliability

Rotary Screw Compressor

Ample 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.
- Routine maintenance is simplified.
- Reduced downtime and service cost.
- Service doors feature non-rusting hinges and stainless steel T-type door retainers.

Multi-Piece Canopy

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

0 to 100% Capacity Control

- Pneumatic inlet valve and unloaded starting.

Highway Towable Running Gear

- 3" square drawbar.
- Adjustable height hitch.
- Quick-change hitch.
- Screw jack with pad.
- Transport security chains.
- E-Z lube axle lubrication.
- Heavy duty leaf spring suspension.
- Tail lights

Curbside Instrument Panel

- Hinged, padlockable cover.
- Mechanical air pressure gauge, hourmeter, ignition start switch.
- Shutdown System Annunciation Module.
- 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)

Protective Shutdown Switches

- High engine temperature, low engine oil pressure, high compressor discharge temperature, low engine speed and low fuel level.

Two-Stage Dry Type Air Filters

- Separate filters for engine and compressor.

AWF Compressor Fluid

- All-weather, all-climate fluid.

Quiet Operation

- Meets US EPA Sound requirements of 76dBA @ 7 meters.



THE SULLAIR 600H
600 CFM AT 150 PSIG—17 M³/MIN AT 10 BAR



THE SULLAIR 750
750 CFM AT 125 PSIG—21.2 M³/MIN AT 8.5 BAR



THE SULLAIR 750H
750 CFM AT 150 PSIG—21 M³/MIN AT 10 BAR



THE SULLAIR 750HH
750 CFM AT 175 PSIG—21.2 M³/MIN AT 12 BAR



THE SULLAIR 825
825 CFM AT 125 PSIG—23.4 M³/MIN AT 8.5 BAR

Designed for Total Accessibility and Reliability

Rotary Screw Compressor

Ample 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 tandem 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.

0 to 100% Capacity Control

- Automatic inlet valve and unloaded starting.

Two-Stage Dry Type Air Filters with Safety Element

- Positioned to draw cool outside air.

COMPASS® Electronic Engine Control

Gauges and a LCD Graphic Display indicate:

- Discharge pressure and temperature.
- Aftercooler air temperature and lower 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.

Engine diagnostic service port:

- Displays diagnostic messages.
- Shutdown history for all monitored system parameters.

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.

AWF Compressor Fluid

- All-weather, all-climate fluid.

Quiet Operation

- Meets US EPA Sound requirements of 76dBA @ 7 meters.

Model	600H	750	750H	750HH	825
GENERAL					
Actual Delivery—cfm (m ³ /min)	600 (17)	750 (21.2)	750 (21.2)	750 (21.2)	825 (23.4)
Rated Pressure—psig (bar)	150 (10)	125 (8.5)	150 (10)	175 (12)	125 (8.5)
Pressure Range, mini—psig (bar)	85 (5.8)	85 (5.8)	85 (5.8)	85 (5.8)	85 (5.8)
Pressure Range, maxi—psig (bar)	150 (10)	125 (8.5)	150 (10)	175 (12)	125 (8.5)
ENGINE					
Make and Model	CATC-9ATAAC (T3)	CATC-9ATAAC (T3)	CATC-9ATAAC (T3)	CATC-9ATAAC (T3)	CATC-9ATAAC (T3)
Operating Speed—rpm	1800	1800	1800	1800	1800
Available Power—BHP (kW)	300 (224)	300 (224)	300 (224)	300 (224)	300 (224)
Displacement—in ³ (cm ³)	538 (8816)	538 (8816)	538 (8816)	538 (8816)	538 (8816)
Cooling System Capacity—gal (L)	15.1 (57.2)	15.1 (57.2)	15.1 (57.2)	15.1 (57.2)	15.1 (57.2)
Engine Oil Capacity—Qts (L)	33 (31.2)	33 (31.2)	33 (31.2)	33 (31.2)	33 (31.2)
Fuel Tank Capacity—gal (L)	120 (454.2)	120 (454.2)	120 (454.2)	120 (454.2)	120 (454.2)
Electrical System Voltage—V	24	24	24	24	24
Battery Rating—CCA	1010/ea.	1010/ea.	1010/ea.	1010/ea.	1010/ea.
COMPRESSOR					
Service Valves—No. & (Size)	(1) 2"NPT	(1) 2"NPT	(1) 2"NPT	(1) 2"NPT	(1) 2"NPT
Compressor Oil Capacity—gal (L)	21 (79.5)	21 (79.5)	21 (79.5)	21 (79.5)	21 (79.5)
Receiver Tank Volume—ft ³ (m ³)	8.1 (0.23)	8.1 (0.23)	8.1 (0.23)	8.1 (0.23)	8.1 (0.23)
DTQ PACKAGE—TANDEM AXLE					
Working Weight—lbs (kg)	10050 (4559)	10050 (4559)	10050 (4559)	10050 (4559)	10050 (4559)
Dry Weight—lbs (kg)	9210 (4178)	9210 (4178)	9210 (4178)	9210 (4178)	9210 (4178)
Length—in (mm)	191 (4851)	191 (4851)	191 (4851)	191 (4851)	191 (4851)
Width—in (mm)	87 (2210)	87 (2210)	87 (2210)	87 (2210)	87 (2210)
Height—in (mm)	83 (2108)	83 (2108)	83 (2108)	83 (2108)	83 (2108)
Track Width—in (mm)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)
Max. Towing Speed—MPH (km/h)	55 (89)	55 (89)	55 (89)	55 (89)	55 (89)
Axle Rating (each)—lbs (kg)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)
Tire Size	ST 235/80R 16(E)	ST 235/80R 16(E)	ST 235/80R 16(E)	ST 235/80R 16(E)	ST 235/80R 16(E)
DWQ PACKAGE—4 WHEEL					
Working Weight—lbs (kg)	10200 (4627)	10200 (4627)	10200 (4627)	10200 (4627)	10200 (4627)
Dry Weight—lbs (kg)	9360 (4246)	9360 (4246)	9360 (4246)	9360 (4246)	9360 (4246)
Length—in (mm)	204 (5182)	204 (5182)	204 (5182)	204 (5182)	204 (5182)
Width—in (mm)	87 (2210)	87 (2210)	87 (2210)	87 (2210)	87 (2210)
Height—in (mm)	89 (2261)	89 (2261)	89 (2261)	89 (2261)	89 (2261)
Track Width—in (mm)	79.5 (2019)	79.5 (2019)	79.5 (2019)	79.5 (2019)	79.5 (2019)
Axle Rating (each)—lbs (kg)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)
Tire Size	8.75 x 16.5(D)	8.75 x 16.5(D)	8.75 x 16.5(D)	8.75 x 16.5(D)	8.75 x 16.5(D)
DLQ PACKAGE					
Working Weight—lbs	9075 (4116)	9075 (4116)	9075 (4116)	9075 (4116)	9075 (4116)
Dry Weight—lbs (kg)	8235 (3735)	8235 (3735)	8235 (3735)	8235 (3735)	8235 (3735)
Length—in (mm)	131 (3327)	131 (3327)	131 (3327)	131 (3327)	131 (3327)
Width—in (mm)	87 (2210)	87 (2210)	87 (2210)	87 (2210)	87 (2210)
Height—in (mm)	72 (1829)	72 (1829)	72 (1829)	72 (1829)	72 (1829)
PERFORMANCE					
Fuel consumption 100% Load—GPH (L/h)	10 (38.4)	11.3 (42.7)	12.2 (46.4)	13.1 (49.6)	12.2 (46.4)
Max. Operating Altitude—ft (m)	10500 (3200)	10500 (3200)	10500 (3200)	10500 (3200)	10500 (3200)

* Add 8 in. (203 mm) for overall clearance height.



THE SULLAIR 900

900 CFM AT 100 PSIG—25.5 M³/MIN AT 7 BAR



THE SULLAIR 900H

900 CFM AT 150 PSIG—25.5 M³/MIN AT 10 BAR



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



THE SULLAIR 900XHH/1150XH

900 CFM AT 500 PSIG—25.5 M³/MIN AT 34.5 BAR
1150 CFM AT 350 PSIG—32.5 M³/MIN AT 24 BAR



THE SULLAIR 1050

1050 CFM AT 100 PSIG—29.7 M³/MIN AT 7 BAR

Designed for Total Accessibility and Reliability

Rotary Screw Compressor

Ample 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 tandem 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.

0 to 100% Capacity Control

- Automatic inlet valve and unloaded starting.

Two-Stage Dry Type Air Filters with Safety Element

- Positioned to draw cool outside air.

COMPASS® Electronic Engine Control

Gauges and a 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.

Engine diagnostic service port:

- Displays diagnostic messages.
- Shutdown history for all monitored system parameters.

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.

AWF Compressor Fluid

- All-weather, all-climate fluid.

Quiet Operation

- Meets US EPA Sound requirements of 76dBA @ 7 meters.

Model	900	900H	750XHH/900XH	900XHH/1150XH	1050
GENERAL					
Actual Delivery—cfm (m ³ /min)	900 (25.5)	900 (25.5)	750/900 (25.5)	900/1150 (32.5)	1050 (29.7)
Rated Pressure—psig (bar)	100 (7)	150 (10)	500/350 (24)	500/350 (34.5)	100 (7)
Pressure Range, mini—psig (bar)	85 (5.8)	85 (5.8)	350 (24)	350 (24)	85 (5.8)
Pressure Range, maxi—psig (bar)	125 (8.5)	150 (10)	500 (34.5)	500 (34.5)	125 (8.5)
ENGINE					
Make and Model	CATC-9ATAAC (T3)	CATC-9ATAAC (T3)	CA C-15ATAAC (T3)	CA C-15ATAAC (T3)	CATC-9ATAAC (T3)
Operating Speed—rpm	1800	1800	1800	1800	1800
Available Power—BHP (kW)	300 (224)	300 (224)	475 (354)	540 (403)	300 (224)
Displacement—in ³ (cm ³)	538 (8816)	538 (8816)	928 (15207)	928 (15207)	538 (8816)
Cooling System Capacity—gal (L)	15.1 (57.2)	15.1 (57.2)	32 (121.1)	32 (121.1)	15.1 (57.2)
Engine Oil Capacity—Qts (L)	33 (31.2)	33 (31.2)	36 (34.1)	36 (34.1)	33 (31.2)
Fuel Tank Capacity—gal (L)	120 (454.2)	120 (454.2)	190 (719.2)	190 (719.2)	120 (454.2)
Electrical System Voltage—V	24	24	24	24	24
Battery Rating—CCA	1010/ea.	1010/ea.	1125/ea.	1125/ea.	1010/ea.
COMPRESSOR					
Service Valves—No. & (Size)	(1) 2" NPT	(1) 2" NPT	(1) 3" NPT	(1) 3" NPT	(1) 2-1/2" NPT
Compressor Oil Capacity—gal (L)	21 (79.5)	21 (79.5)	45 (170.3)	45 (170.3)	21 (79.5)
Receiver Tank Volume—ft ³ (m ³)	8.1 (0.23)	8.1 (0.23)	11.3 (0.32)	11.3 (0.32)	8.1 (0.23)
DTQ PACKAGE—TANDEM AXLE					
Working Weight—lbs (kg)	10050 (4559)	10050 (4559)	16040 (7276)	16040 (7276)	10050 (4559)
Dry Weight—lbs (kg)	9210 (4178)	9210 (4178)	14710 (6672)	14710 (6672)	9210 (4178)
Length—in (mm)	191 (4851)	191 (4851)	240 (6096)	240 (6096)	191 (4851)
Width—in (mm)	87 (2210)	87 (2210)	88 (2235)	88 (2235)	87 (2210)
Height—in (mm)	83 (2108)	83 (2108)	93 (2362)	93 (2362)	83 (2108)
Track Width—in (mm)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)
Max. Towing Speed—MPH (km/h)	55 (89)	55 (89)	55 (89)	55 (89)	55 (89)
Axle Rating (each)—lbs (kg)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)
Tire Size	ST 235/80R 16 (E)	ST 235/80R 16 (E)	9.50 x 16.5LT(E)	9.5 x 16.5 LT(E)	ST 235/80R 16 (E)
DWQ PACKAGE—4 WHEEL					
Working Weight—lbs (kg)	10200 (4627)	10200 (4627)	15710 (7126)	15710 (7126)	10200 (4627)
Dry Weight—lbs (kg)	9360 (4246)	9360 (4246)	14380 (6523)	14380 (6523)	9360 (4246)
Length—in (mm)	204 (5182)	204 (5182)	244 (6198)	244 (6198)	204 (5182)
Width—in (mm)in	87 (2210)	87 (2210)	88 (2235)	88 (2235)	87 (2210)
Height—in (mm)	89 (2261)	89 (2261)	101 (2565)	101 (2565)	89 (2261)
Track Width—in (mm)	79.5 (2019)	79.5 (2019)	78(1981)	78(1981)	79.5 (2019)
Axle Rating (each)—lbs (kg)	6000 (2722)	6000 (2722)	12000 (5443)	12000 (5443)	6000 (2722)
Tire Size	8.75 x 16.5(D)	8.75 x 16.5(D)	8.25 x 15TR(F)	8.25 x 15TR(F)	8.75 x 16.5(D)
DLQ PACKAGE					
Working Weight—lbs	9075 (4116)	9075 (4116)	14940 (6777)	14940 (6777)	9075 (4116)
Dry Weight—lbs (kg)	8235 (3735)	8235 (3735)	13610 (6173)	13610 (6173)	8235 (3735)
Length—in (mm)	131 (3327)	131 (3327)	179 (4547)	179 (4547)	131 (3327)
Width—in (mm)	87 (2210)	87 (2210)	88 (2235)	88 (2235)	87 (2210)
Height—in (mm)	72 (1829)	72 (1829)	83 (2108)	83 (2108)	72 (1829)
PERFORMANCE					
Fuel consumption 100% Load—GPH (L/h)	11.9 (44.9)	13.6 (51.5)	21.6 (81.8)	27 (102.2)	13.5 (51.1)
Max. Operating Altitude—ft (m)	10500 (3200)	10500 (3200)	10000 (3048)	10000 (3048)	10500 (3200)

* Add 8 in. (00 mm) for overall clearance height. Add 3½ in. (00 mm) for overall clearance height for model 900XH.



THE SULLAIR 1300H

1300 CFM AT 150 PSIG—36.8 M³/MIN AT 14 BAR



THE SULLAIR 1300HH

1300 CFM AT 200 PSIG—36.8 M³/MIN AT 14 BAR



THE SULLAIR 1450HH

1450 CFM AT 175 PSIG—41.1 M³/MIN AT 14 BAR



THE SULLAIR 1600

1600 CFM AT 100 PSIG—45.3 M³/MIN AT 7 BAR



THE SULLAIR 1600H

1600 CFM AT 150 PSIG—45.3 M³/MIN AT 10 BAR

Designed for Total Accessibility and Reliability

Rotary Screw Compressor

Ample 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 tandem 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.

0 to 100% Capacity Control

- Automatic inlet valve and unloaded starting.

Two-Stage Dry Type Air Filters with Safety Element

- Positioned to draw cool outside air.

COMPASS® Electronic Engine Control

Gauges and a 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.

Engine diagnostic service port:

- Displays diagnostic messages.
- Shutdown history for all monitored system parameters.

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.

AWF Compressor Fluid

- All-weather, all-climate fluid.

Quiet Operation

- Meets US EPA Sound requirements of 76dBA @ 7 meters.

Model	1300H	1300HH	1450HH	1600	1600H
GENERAL					
Actual Delivery—cfm (m ³ /min)	1300 (36.8)	1300 (36.8)	1450 (41.1)	1600 (45.3)	1600 (45.3)
Rated Pressure—psig (bar)	150 (10)	200 (14)	175 (12)	100 (7)	150 (10)
Pressure Range, mini—psig (bar)	85 (5.8)	85 (5.8)	85 (5.8)	85 (5.8)	85 (5.8)
Pressure Range, maxi—psig (bar)	150 (10)	200 (14)	175 (12)	125 (8.5)	150 (10)
ENGINE					
Make and Model	CATC-15ATAAC (T3)	CATC-15ATAAC (T3)	CATC-15ATAAC (T3)	CATC-15ATAAC (T3)	CATC-15ATAAC (T3)
Operating Speed—rpm	1800	1800	1800	1800	1800
Available Power—BHP (kW)	475 (354)	540 (403)	540 (403)	475 (354)	540 (403)
Displacement—in ³ (cm ³)	(15207)	(15207)	(15207)	(15207)	(15207)
Cooling System Capacity—gal (L)	32 (121.1)	32 (121.1)	32 (121.1)	32 (121.1)	32 (121.1)
Engine Oil Capacity—Qts (L)	36 (34.1)	36 (34.1)	36 (34.1)	36 (34.1)	36 (34.1)
Fuel Tank Capacity—gal (L)	190 (719.2)	190 (719.2)	190 (719.2)	190 (719.2)	190 (719.2)
Electrical System Voltage—V	24	24	24	24	24
Battery Rating—CCA	1125/ea.	1125/ea.	1125/ea.	1125/ea.	1125/ea.
COMPRESSOR					
Service Valves—No. & (Size)	(1) 3" NPT	(1) 3" NPT	(1) 3" NPT	(1) 3" NPT	(1) 3" NPT
Compressor Oil Capacity—gal (L)	45 (170.3)	45 (170.3)	45 (170.3)	45 (170.3)	45 (170.3)
Receiver Tank Volume—ft ³ (m ³)	20 (0.57)	20 (0.57)	20 (0.57)	20 (0.57)	20 (0.57)
DTQ PACKAGE—TANDEM AXLE					
Working Weight—lbs (kg)	15950 (7235)	16350 (7416)	16350 (7416)	16260 (7375)	16350 (7416)
Dry Weight—lbs (kg)	14620 (6631)	15020 (6813)	15020 (6813)	14930 (6772)	15020 (6813)
Length—in (mm)	240 (6096)	240 (6096)	240 (6096)	240 (6096)	240 (6096)
Width—in (mm)	88 (2235)	88 (2235)	88 (2235)	88 (2235)	88 (2235)
Height—in (mm)	93 (2362)	93 (2362)	93 (2362)	93 (2362)	93 (2362)
Track Width—in (mm)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)
Max. Towing Speed—MPH (km/h)	55 (89)	55 (89)	55 (89)	55 (89)	55 (89)
Axle Rating (each)—lbs (kg)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)
Tire Size	9.5 x 16.5 LT(E)	9.5 x 16.5 LT(E)	9.5 x 16.5 LT(E)	9.5 x 16.5 LT(E)	9.5 x 16.5 LT(E)
DWQ PACKAGE—4 WHEEL					
Working Weight—lbs (kg)	15630 (7090)	16020 (7267)	16020 (7267)	15930 (7226)	16020 (7267)
Dry Weight—lbs (kg)	14300 (6486)	14690 (6663)	14690 (6663)	14600 (6622)	14690 (6663)
Length—in (mm)	244 (6198)	244 (6198)	244 (6198)	244 (6198)	244 (6198)
Width—in (mm)in	88 (2235)	88 (2235)	88 (2235)	88 (2235)	88 (2235)
Height—in (mm)	101 (2565)	101 (2565)	101 (2565)	101 (2565)	101 (2565)
Track Width—in (mm)	78 (1981)	78 (1981)	78 (1981)	78 (1981)	78 (1981)
Axle Rating (each)—lbs (kg)	12000 (5443)	12000 (5443)	12000 (5443)	12000 (5443)	12000 (5443)
Tire Size	8.25 x 15TR(F)	8.25 x 15TR(F)	8.25 x 15TR(F)	8.25 x 15TR(F)	8.25 x 15TR(F)
DLQ PACKAGE					
Working Weight—lbs	14850 (6736)	15250 (6917)	15250 (6917)	15160 (6876)	15250 (6917)
Dry Weight—lbs (kg)	13520 (6133)	13920 (6314)	13920 (6314)	13830 (6273)	13920 (6314)
Length—in (mm)	179 (4547)	179 (4547)	179 (4547)	179 (4547)	179 (4547)
Width—in (mm)	88 (2235)	88 (2235)	88 (2235)	88 (2235)	88 (2235)
Height—in (mm)	83 (2108)	83 (2108)	83 (2108)	83 (2108)	83 (2108)
PERFORMANCE					
Fuel consumption 100% Load—GPH (L/h)	20 (75.7)	23.3 (88.2)	23.3 (88.2)	20 (75.7)	23.3 (88.2)
Max. Operating Altitude—ft (m)	10000 (3048)	10500 (3200)	10500 (3200)	10000 (3048)	10500 (3200)

* Add 8 in. (203 mm) for overall clearance height except for models 1600H and 1900.

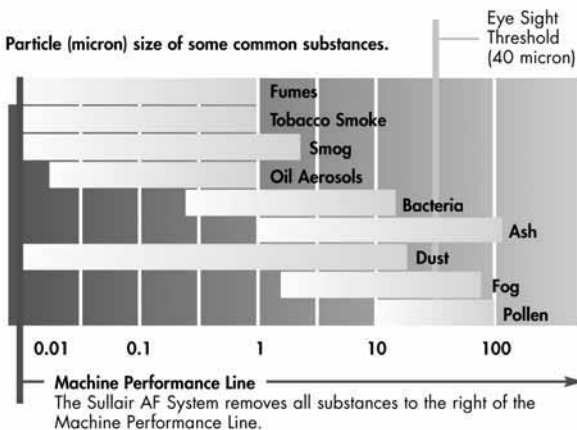


THE SULLAIR 375H AF
375 CFM AT 150 PSIG—10.6 M³/MIN AT 10 BAR

Sullair's "AF" Machines (Aftercooled and Filtered) Produce "Instrument Quality" Air—ISO 8573-1: Class 1.7.1

Sullair's AF Product Line:

1600HAF	1300HAF	1450HHAF	900AF	900HAF	825AF
750HAF	750AF	600HAF	425AF	425HAF	375HAF
375HHAF	375AF	300HHAF			



Instrument Quality Air

- Produce instrument quality air per ISO 8573.1: Class 1.7.1.
- Aftercooler and moisture separator.
- Primary and secondary filters remove particulate to 0.01 micron and aerosols to 0.01 ppm.
- Filter warning and shutdown system prevents downstream contamination. (Optional 375-425)

Designed for Total Accessibility and Reliability

Rotary Screw Compressor

Ample Service Doors

- Large side doors provide access to engine, oil filters, compressor and tool compartments.
- Rear service panel provides access to rear of machine.
- Serviceable components within easy reach.
- Routine maintenance is simplified.
- Reduced downtime and service cost.
- Service doors feature non-rusting hinges and stainless steel T-type door retainers.

Multi-Piece Canopy

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

0 to 100% Capacity Control

- Pneumatic inlet valve and unloaded starting.

Highway Towable Running Gear

- 3" square drawbar.
- Adjustable height hitch.
- Quick-change hitch.
- Screw jack with pad.
- Transport security chains.
- EZ lube axle lubrication.
- Heavy duty leaf spring suspension.
- Tail lights

Curbside Instrument Panel

- Hinged, padlockable cover.
- Mechanical air pressure gauge, hourmeter, ignition start switch.
- Idle warm-up valve.
- Shutdown System Annunciation Module.
- Optional gauges available.
- High/Low pressure selector valve allows dual pressure capability without making mechanical adjustment. (Available on high pressure models only)

Protective Shutdown Switches

- High engine temperature, low engine oil pressure, high compressor discharge temperature, low engine speed, and low fuel shutdown.

Two-Stage Dry Type Air Filters

- Separate filters for engine and compressor.

AWF Compressor Fluid

- All-weather, all-climate fluid.

Quiet Operation

- Meets US EPA Sound requirements of 76dBA @ 7 meters.

Model	300HH AF T-2				375 AF T-2			375H AF T-2			425 AF T-2			
	300HH AF	300HH AF	Export Only	375 AF	375 AF	Export Only	375H AF	375H AF	Export Only	375HH AF	425 AF	425AF	Export Only	425H AF
GENERAL														
Actual Delivery—cfm (m ³ /min)	300 (8.5)	300 (8.5)	300 (8.5)	375 (10.6)	375 (10.6)	375 (10.6)	375 (10.6)	375 (10.6)	375 (10.6)	375 (10.6)	425 (12)	425 (12)	425 (12)	425 (12)
Rated Pressure—psig (bar)	200 (14)	200 (14)	200 (14)	100 (7)	100 (7)	100 (7)	150 (10)	150 (10)	150 (10)	200 (14)	100 (7)	100 (7)	100 (7)	150 (10)
Pressure Range, mini—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)	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)
Pressure Range, max—psig (bar)	200 (14)	200 (14)	200 (14)	125 (8.6)	125 (8.6)	125 (8.6)	150 (10)	150 (10)	150 (10)	200 (19)	125 (8.6)	125 (8.6)	125 (8.6)	150 (10)
ENGINE														
Make and Model	JD4045HF(T3)	CATC4.4(T3)	CATC4.4(T2)	JD4045HF(T3)	CATC4.4(T3)	CATC4.4(T2)	JD4045HF(T3)	CATC4.4(T3)	CATC4.4(T2)	JD4045HF(T3)	JD4045HF(T3)	CATC4.4(T3)	CATC4.4(T2)	JD4045HF(T3)
Operating Speed—rpm	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
Available Power—BHP (kw)	140 (104)	130 (97)	129 (96)	140 (104)	117 (87)	107 (79)	140 (104)	130 (97)	129 (96)	140 (104)	140 (104)	130 (97)	129 (96)	140 (104)
Displacement—in ³ (cm ³)	275 (4507)	269 (4409)	268 (4392)	275 (4507)	269 (4409)	268 (4392)	275 (4507)	269 (4409)	268 (4392)	275 (4507)	275 (4507)	269 (4409)	268 (4392)	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)	4 (15.1)	4 (15.1)	4 (15.1)	4 (15.1)	4 (15.1)	4 (15.1)	4 (15.1)	4 (15.1)
Engine Oil Capacity—Qts (L)	9 (8.5)	7.3 (6.9)	7.3 (6.9)	9 (8.5)	8 (7.6)	8 (7.6)	9 (8.5)	7.3 (6.9)	7.3 (6.9)	9 (8.5)	10 (9.5)	7.3 (6.9)	7.3 (6.9)	9 (8.5)
Fuel Tank Capacity—gal (L)	56 (211.9)	56 (211.9)	56 (211.9)	56 (211.9)	56 (211.9)	56 (211.9)	56 (211.9)	56 (211.9)	56 (211.9)	56 (211.9)	56 (211.9)	56 (211.9)	56 (211.9)	56 (211.9)
Electrical System Voltage—V	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Battery Rating—CCA	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
COMPRESSOR														
Service Valves—No. & (Size)	(2) (¾")	(2) (¾")	(2) (¾")	(2) (¾")	(2) (¾")	(2) (¾")	(2) (¾")	(2) (¾")	(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)	7 (26.5)	7 (26.5)	7 (26.5)	7 (26.5)	7 (26.5)	7 (26.5)	7 (26.5)	7 (26.5)
Receiver Tank Volume—ft ³ (m ³)	2.46 (0.07)	2.46 (0.07)	2.46 (0.07)	2.46 (0.07)	2.46 (0.07)	2.46 (0.07)	2.46 (0.07)	2.46 (0.07)	2.46 (0.07)	2.46 (0.07)	2.46 (0.07)	2.46 (0.07)	2.46 (0.07)	2.46 (0.07)
DPQ PACKAGE														
Working Weight—lbs (kg)	4440 (2014)	4420 (2005)	4420 (2005)	4440 (2014)	4420 (2005)	4420 (2005)	4440 (2014)	4420 (2005)	4420 (2005)	4440 (2014)	4440 (2014)	4420 (2005)	4420 (2005)	4440 (2014)
Dry Weight—lbs (kg)	4050 (1837)	4030 (1828)	4030 (1828)	4050 (1787)	4030 (1828)	4030 (1828)	4050 (1787)	4030 (1828)	4030 (1828)	4050 (1787)	4050 (1787)	4030 (1828)	4030 (1828)	4050 (1787)
Length—in (mm)	156.1 (3966)	156.1 (3966)	156.1 (3966)	156.1 (3966)	156.1 (3966)	156.1 (3966)	156.1 (3966)	156.1 (3966)	156.1 (3966)	156.1 (3966)	156.1 (3966)	156.1 (3966)	156.1 (3966)	156.1 (3966)
Width—in (mm)	77.2 (1960)	77.2 (1960)	77.2 (1960)	77.2 (1960)	77.2 (1960)	77.2 (1960)	77.2 (1960)	77.2 (1960)	77.2 (1960)	77.2 (1960)	77.2 (1960)	77.2 (1960)	77.2 (1960)	77.2 (1960)
Height—in (mm)	74 (1980)	74 (1980)	74 (1980)	74 (1980)	74 (1980)	74 (1980)	74 (1980)	74 (1980)	74 (1980)	74 (1980)	74 (1980)	74 (1980)	74 (1980)	74 (1980)
Track Width—in (mm)	67.5 (1715)	67.5 (1715)	67.5 (1715)	67.5 (1715)	67.5 (1715)	67.5 (1715)	67.5 (1715)	67.5 (1715)	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)	55 (89)	55 (89)	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)	5000 (2268)	5000 (2268)	5000 (2268)	5000 (2268)	5000 (2268)	5000 (2268)	5000 (2268)	5000 (2268)
Tire Size	H78 x 15ST(D)	H78 x 15ST(D)	H78 x 15ST(D)	H78 x 15ST(D)	H78 x 15ST(D)	H78 x 15ST(D)	H78 x 15ST(D)	H78 x 15ST(D)	H78 x 15ST(D)	H78 x 15ST(D)	H78 x 15ST(D)	H78 x 15ST(D)	H78 x 15ST(D)	H78 x 15ST(D)
DLQ PACKAGE														
Working Weight—lbs (kg)	4195 (1903)	4175 (1894)	4175 (1894)	4195 (1903)	4175 (1894)	4175 (1894)	4195 (1903)	4175 (1894)	4175 (1894)	4195 (1903)	4195 (1903)	4175 (1894)	4175 (1894)	4195 (1903)
Dry Weight—lbs (kg)	3805 (1726)	3785 (1717)	3785 (1717)	3805 (1726)	3775 (1712)	3775 (1712)	3805 (1726)	3775 (1712)	3775 (1712)	3805 (1726)	3805 (1726)	3775 (1712)	3775 (1712)	3805 (1726)
Length—in (mm)	98.8 (2510)	98.8 (2510)	98.8 (2510)	98.8 (2510)	98.8 (2510)	98.8 (2510)	98.8 (2510)	98.8 (2510)	98.8 (2510)	98.8 (2510)	98.8 (2510)	98.8 (2510)	98.8 (2510)	98.8 (2510)
Width—in (mm)	59.3 (1506)	59.3 (1506)	59.3 (1506)	59.3 (1506)	59.3 (1506)	59.3 (1506)	59.3 (1506)	59.3 (1506)	59.3 (1506)	59.3 (1506)	59.3 (1506)	59.3 (1506)	59.3 (1506)	59.3 (1506)
Height—in (mm)	63.6 (1616)	63.6 (1616)	63.6 (1616)	63.6 (1616)	63.6 (1616)	63.6 (1616)	63.6 (1616)	63.6 (1616)	63.6 (1616)	63.6 (1616)	63.6 (1616)	63.6 (1616)	63.6 (1616)	63.6 (1616)
PERFORMANCE														
Fuel consumption														
100% Load—GPH (L/h)	6.55 (24.8)	6.45 (24.4)	6.11 (23.1)	5.72 (21.7)	5.68 (21.5)	5.20 (19.7)	6.55 (24.8)	6.45 (24.4)	6.11 (23.1)	6.55 (24.8)	6.55 (24.8)	6.45 (24.4)	6.11 (23.1)	6.55 (24.8)
Max. Operating Altitude—ft (m)	10000 (3048)	10000 (3048)	10000 (3048)	10000 (3048)	10000 (3048)	10000 (3048)	10000 (3048)	10000 (3048)	10000 (3048)	10000 (3048)	10000 (3048)	10000 (3048)	10000 (3048)	10000 (3048)

* Weights include aftercooler, traps and filters.

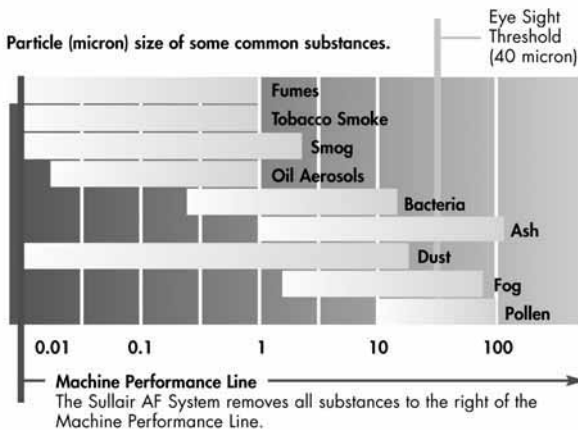


THE SULLAIR 1600H AF
1600 CFM AT 150 PSIG—45.3 M³/MIN AT 10 BAR

Sullair's "AF" Machines (Aftercooled and Filtered) Produce "Instrument Quality" Air—ISO 8573-1: Class 1.7.1

Sullair's AF Product Line:

1600HAF	1450HHAF	1300HAF	900AF	900HAF	825AF
750HAF	750AF	600HAF	425AF	425HAF	375HAF
375AF	375HHAF	300HHAF			



Instrument Quality Air

- Produce instrument quality air per ISO 8573.1: Class 1.7.1.
- Aftercooler and moisture separator.
- Primary and secondary filters remove particulate to 0.01 micron and aerosols to 0.01 ppm.
- Filter warning and shutdown system prevents downstream contamination.

Designed for Total Accessibility and Reliability Rotary Screw Compressor

Ample 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 tandem 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.

0 to 100% Capacity Control

- Automatic inlet valve and unloaded starting.

Two-Stage Dry Type Air Filters with Safety Element

- Positioned to draw cool outside air.

COMPASS® Electronic Engine Control

Gauges and a 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.
- Engine diagnostic service port:
- Displays diagnostic messages.
 - Shutdown history for all monitored system parameters.

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.

AWF Compressor Fluid

- All-weather, all-climate fluid.

Quiet Operation

- Meets US EPA Sound requirements of 76dBA @ 7 meters.

Model	600H AF	750 AF	750H AF	825 AF	900 AF	900H AF	1300H AF	1300HH AF	1450HH AF	1600 AF	1600H AF
GENERAL											
Actual Delivery—cm ³ /min	600 (17)	750 (21.2)	750 (21.2)	825 (23.4)	900 (25.5)	900 (25.5)	1300 (36.8)	1300 (36.8)	1450 (41.1)	1600 (45.3)	1600 (45.3)
Rated Pressure—psig (bar)	150 (10)	125 (9)	150 (10)	125 (9)	100 (7)	150 (10)	150 (10)	200 (14)	175 (12)	100 (7)	150 (10)
Pressure Range, min—psig (bar)	85 (5.8)	85 (5.8)	85 (5.8)	85 (5.8)	85 (5.8)	85 (5.8)	85 (5.8)	85 (5.8)	85 (5.8)	85 (5.8)	85 (5.8)
Pressure Range, max—psig (bar)	150 (10.3)	125 (8.6)	150 (10.3)	125 (8.6)	125 (8.6)	150 (10.3)	150 (10.3)	200 (14)	175 (12)	125 (8.6)	150 (10.3)

ENGINE											
Make and Model	CAT C-9 ATAAAC (T3)	CAT C-9 ATAAAC (T3)	CAT C-9 ATAAAC (T3)	CAT C-9 ATAAAC (T3)	CAT C-9 ATAAAC (T3)	CAT C-9 ATAAAC (T3)	CAT C-9 ATAAAC (T3)	CAT C-9 ATAAAC (T3)	CAT C-9 ATAAAC (T3)	CAT C-9 ATAAAC (T3)	CAT C-9 ATAAAC (T3)
Operating Speed—rpm	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Available Power—BHP (kw)	300 (224)	300 (224)	300 (224)	300 (224)	300 (224)	300 (224)	300 (224)	475 (354)	540 (403)	540 (403)	475 (354)
Displacement—in ³ (cm ³)	538 (886)	538 (886)	538 (886)	538 (886)	538 (886)	538 (886)	538 (886)	928 (15207)	928 (15207)	928 (15207)	928 (15207)
Cooling System Capacity—gal (L)	14.0 (53.0)	14.0 (53.0)	16.0 (60.6)	16.0 (60.6)	16.0 (60.6)	16.0 (60.6)	32 (121.1)	32 (121.1)	32 (121.1)	32 (121.1)	32 (121.1)
Engine Oil Capacity—Qts (L)	22 (20.8)	22 (20.8)	22 (20.8)	22 (20.8)	22 (20.8)	22 (20.8)	36 (34.1)	36 (34.1)	36 (34.1)	36 (34.1)	36 (34.1)
Fuel Tank Capacity—gal (L)	120 (454.2)	120 (454.2)	120 (454.2)	120 (454.2)	120 (454.2)	120 (454.2)	190 (719.2)	190 (719.2)	190 (719.2)	190 (719.2)	190 (719.2)
Electrical System Voltage—V	24	24	24	24	24	24	24	24	24	24	24
Battery Rating—CCA	1010/ea.	1010/ea.	1010/ea.	1010/ea.	1010/ea.	1010/ea.	1010/ea.	1125/ea.	1125/ea.	1125/ea.	1125/ea.

COMPRESSOR											
Service Valves—No. & (Size)	(1) 2"NPT	(1) 2"NPT	(1) 2"NPT	(1) 2"NPT	(1) 2" NPT	(1) 2" NPT	(2) 3" NPT	(2) 3" NPT	(2) 3" NPT	(2) 3" NPT	(2) 3" NPT
Compressor Oil Capacity—gal (L)	21 (79.5)	21 (79.5)	21 (79.5)	21 (79.5)	21 (79.5)	21 (79.5)	45 (170.3)	45 (170.3)	45 (170.3)	45 (170.3)	45 (170.3)
Receiver Tank Volume—ft ³ (m ³)	8.1 (0.23)	8.1 (0.23)	8.1 (0.23)	8.1 (0.23)	8.1 (0.23)	8.1 (0.23)	20 (0.57)	20 (0.57)	20 (0.57)	20 (0.57)	20 (0.57)

DTQ PACKAGE—TANDEM AXLE											
Working Weight—lbs (kg)	10350 (4695)	10350 (4695)	10600 (4808)	10600 (4808)	10600 (4808)	10600 (4808)	16620 (7539)	16620 (7539)	16620 (7539)	16620 (7539)	16620 (7539)
Length—in (mm)	191 (4851)	191 (4851)	191 (4851)	191 (4851)	191 (4851)	191 (4851)	240 (6096)	240 (6096)	240 (6096)	240 (6096)	240 (6096)
Width—in (mm)	87 (2210)	87 (2210)	87 (2210)	87 (2210)	87 (2210)	87 (2210)	88 (2235)	88 (2235)	88 (2235)	88 (2235)	88 (2235)
Height—in (mm)	83 (2108)	83 (2108)	83 (2108)	83 (2108)	83 (2108)	83 (2108)	93 (2362)	93 (2362)	93 (2362)	93 (2362)	93 (2362)
Track Width—in (mm)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)
Max. Towing Speed—MPH (km/h)	55 (89)	55 (89)	55 (89)	55 (89)	55 (89)	55 (89)	55 (89)	55 (89)	55 (89)	55 (89)	55 (89)
Axle Rating (each)—lbs (kg)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)
Tire Size	ST235/80R16 (E)	ST235/80R16 (E)	ST235/80R16 (E)	ST235/80R16 (E)	ST235/80R16 (E)	ST235/80R16 (E)	ST235/80R16 (E)	9.5 x 16.5 LT(E)	9.5 x 16.5 LT(E)	9.5 x 16.5 LT(E)	9.5 x 16.5 LT(E)

DWQ PACKAGE—4 WHEEL											
Working Weight—lbs (kg)	10500 (4763)	10500 (4763)	10320 (4681)	10750 (4876)	10750 (4876)	10750 (4876)	16290 (7389)	16290 (7389)	16290 (7389)	16290 (7389)	16290 (7389)
Length—in (mm)	204 (5182)	204 (5182)	204 (5182)	204 (5182)	204 (5182)	204 (5182)	244 (6198)	244 (6198)	244 (6198)	244 (6198)	244 (6198)
Width—in (mm)	87 (2210)	87 (2210)	87 (2210)	87 (2210)	87 (2210)	87 (2210)	88 (2235)	88 (2235)	88 (2235)	88 (2235)	88 (2235)
Height—in (mm)	89 (2261)	89 (2261)	89 (2261)	89 (2261)	89 (2261)	89 (2261)	101 (2565)	101 (2565)	101 (2565)	101 (2565)	101 (2565)
Track Width—in (mm)	79.5 (2019)	79.5 (2019)	79.5 (2019)	79.5 (2019)	79.5 (2019)	79.5 (2019)	78 (1981)	78 (1981)	78 (1981)	78 (1981)	78 (1981)
Axle Rating (each)—lbs (kg)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	12000 (5443)	12000 (5443)	12000 (5443)	12000 (5443)	12000 (5443)
Tire Size	8.75 x 16.5 (D)	8.75 x 16.5 (D)	8.75 x 16.5 (D)	8.75 x 16.5 (D)	8.75 x 16.5 (D)	8.75 x 16.5 (D)	8.25 x 15TR (F)	8.25 x 15TR (F)	8.25 x 15TR (F)	8.25 x 15TR (F)	8.25 x 15TR (F)

DLQ PACKAGE											
Working Weight—lbs (kg)	9375 (4252)	9375 (4252)	9625 (4366)	9625 (4366)	9625 (4366)	9625 (4366)	15640 (7094)	16220 (7357)	16220 (7357)	16220 (7357)	16220 (7357)
Length—in (mm)	131 (3327)	131 (3327)	131 (3327)	131 (3327)	131 (3327)	131 (3327)	179 (4547)	179 (4547)	179 (4547)	179 (4547)	179 (4547)
Width—in (mm)	87 (2210)	87 (2210)	87 (2210)	87 (2210)	87 (2210)	87 (2210)	88 (2235)	88 (2235)	88 (2235)	88 (2235)	88 (2235)
Height—in (mm)	72 (1829)	72 (1829)	72 (1829)	72 (1829)	72 (1829)	72 (1829)	83 (2108)	83 (2108)	83 (2108)	83 (2108)	83 (2108)

PERFORMANCE											
Fuel consumption 100% Load—GPH (L/h)	10 (38.4)	11.3 (42.7)	12.2 (46.4)	12.2 (46.4)	11.9 (44.9)	13.6 (51.5)	20 (75.7)	24.8 (93.9)	24.8 (93.9)	20 (75.7)	24.8 (93.9)
Max. Operating Altitude—ft (m)	10500 (3200)	10500 (3200)	10500 (3200)	10500 (3200)	10500 (3200)	10500 (3200)	10000 (3048)	10500 (3200)	10500 (3200)	10000 (3048)	10500 (3200)

* Weights include aftercooler, traps and filters. ** Add 8 in. (00 mm) for exhaust.



THE SULLAIR 49HP DUQ
160 CFM AT 100 PSIG—4.5 M³/MIN AT 7 BAR



THE SULLAIR 185
185 CFM AT 100 PSIG—5.2 M³/MIN AT 7 BAR



THE SULLAIR 210H
210 CFM AT 150 PSIG—5.9 M³/MIN AT 10 BAR



THE SULLAIR 260
260 CFM AT 100 PSIG—7.4 M³/MIN AT 7 BAR

Designed for Total Accessibility and Reliability

Compact Package

- Designed for cross-mounting on utility-type trucks.
- Fork lift pockets and exposed single point lifting bail facilitate installation and maintenance, easily removed from truck.

Total Accessibility

- All normal service items are accessible through a curbside door: compressor lubricant and engine oil filters, fuel filters, compressor and engine air filters, compressor and engine sight glasses, compressor lubricant and engine oil fills, and fuel fill.

Remote Fluid Drains

- Curbside O-Ring plug fittings are provided for draining compressor lubricant, engine oil, and engine coolant.

Curbside Instrument Panel

- Hinged, padlockable cover.
- Air pressure gauge, hourmeter, voltmeter, engine oil pressure gauge, engine coolant temperature gauge, compressor discharge temperature gauge.
- Rocker-type ignition switch.
- Idle warm-up valve.
- Glow plug starting aid.
- Circuit breaker
- High—Low pressure selector valve on model 210H.

SSAM—Shutdown System and Annunciator Module

- Shutdown with annunciator light for high compressor temperature, high engine coolant temperature, low engine oil pressure, and engine underspeed.

Low Emission Engine Technology

- Engines in 185, 210H & 260 models comply with Tier 2 and Stage 2 emission legislation.
- Engines in the 49HP model comply with Interim Tier 4 emission legislation.

Corrosion Resistant Enclosure

- Galvaneal exterior sheet metal.
- Plated fittings and hardware.
- Aluminum instrument panel and door.
- Durable baked-on powder coat paint finish.

Rotary Screw Compressor

- Single-stage, fluid flooded. Cast iron housing is dimensionally stable, thick-walled and machined to close tolerances.

AWF Compressor Fluid

- All-weather, all-climate fluid.

Air-end Warranty

- 5-Year or 10,000-hour warranty, when continuously serviced at recommended intervals with Sullair AWF Compressor Fluid and Sullair filters.
- 2-Year standard warranty.

Quiet Enclosure

- Meets US EPA Sound requirements of 76dBA @ 7 meters.

Utility Compressors	49HP DUQ	185	210H	260
GENERAL				
Actual Delivery—cfm (m ³ /min)	160 (4.5)	185 (5.2)	210 (5.9)	260 (7.4)
Rated Pressure—psig (bar)	100 (7)	100 (7)	150 (10)	100 (7)
Pressure Range, mini—psig (bar)	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)
Pressure Range, maxi—psig (bar)	125 (8.6)	125 (8.6)	150 (10)	125 (8.6)
ENGINE				
Make and Model	JD4024T(iT4)	JD4024T(T2)	JD5030T(T2)	JD5030T(T2)
Operating Speed—rpm	2800	2800	2500	2500
Available Power—BHP (kW)	49 (36.5)	60 (45)	84 (63)	84 (63)
Displacement—in ³ (cm ³)	149 (2443)	149 (2443)	186 (3049)	186 (3049)
Cooling System Capacity—gal (L)	2 (7.6)	2 (7.6)	4 (15.1)	4 (15.1)
Engine Oil Capacity—qts (L)	9 (8.5)	9 (8.5)	11 (10.4)	11 (10.4)
Fuel Tank Capacity—gal (L)	24 (90.8)	24 (90.8)	24 (90.8)	24 (90.8)
Electrical System Voltage—v	12	12	12	12
Battery Rating—cca	760	760	780	780
COMPRESSOR				
Service Valves—No. & (Size)	2 (¾")	2 (¾")	2 (¾")	2 (¾")
Compressor Oil Capacity—gal (L)	3 (11.4)	3 (11.4)	3 (11.4)	5 (18.9)
Receiver Tank Volume—ft ³ (m ³)	.97 (0.03)	.97 (0.03)	1.43 (0.04)	1.43 (0.04)
DUQ PACKAGE				
Working Weight—lbs (kg)	1965 (891)	1965 (891)	2095 (950)	2310 (1048)
Dry Weight—lbs (kg)	1795 (814)	1795 (814)	1925 (873)	2140 (971)
Length—in (mm)	84 (2134)	84 (2134)	84 (2134)	84 (2134)
Width—in (mm)	33.5 (851)	33.5 (851)	33.5 (851)	33.5 (851)
Height (Canopy)—in (mm)	47 (1194)	47 (1194)	47 (1194)	47 (1194)
PERFORMANCE				
Fuel Consumption 100% Load—GPH (L/h)	3.12 (11.8)	3.19 (12.1)	4.10 (15.5)	4.10 (15.5)
Max Operating Altitude—ft (m)	11000 (3353)	11000 (3353)	11000 (3353)	11000 (3353)



THE SULLAIR 750XHH/900XHDL

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



THE SULLAIR 900XHH/1150XHDL

900 CFM AT 500 PSIG—25.5 M³/MIN AT 34.5 BAR
1150 CFM AT 350 PSIG—32.5 M³/MIN AT 24 BAR



THE SULLAIR 1150XHH/1350XHDL

1150 CFM AT 500 PSIG—32.5 M³/MIN AT 34.5 BAR
1350 CFM AT 350 PSIG—38.22 M³/MIN AT 24 BAR



THE SULLAIR 1525XHDL

1525 CFM AT 350 PSIG—43.2 M³/MIN AT 24 BAR

Designed for Total Accessibility and Reliability

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 tank.

COMPASS® Electronic Engine Control

Gauges and a 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.

Indicator lights for:

- Low fuel.
- High compressor temperature.
- Compressor shutdown and warning.
- Engine shutdown and warning.

Engine diagnostic service port:

- Displays diagnostic messages.
- Shutdown history for all monitored system parameters.

Rotary Screw Compressor

- Two-stage air end incorporates proven Sullair Spiral Valve to achieve dual performance.

Dual Capacity/Dual Pressure

- Two distinct compressor models in one package.

0 to 100% Capacity Control

- Automatic inlet valve and unloaded starting.

Low Emission Engine Technology

- Complies with Tier 3 and Stage 3 emission legislation.

AWF Compressor Fluid

- All-weather, all-climate fluid.

Model	750XHH/900XHDL	900XHH/1150XHDL	1150XHH/1350XHDL	1525XHDL
GENERAL				
Actual Delivery—cfm (L/S)	750/900 (355/425)	900/1150 (524/543)	1150/1350 (543/637)	1525 (720)
Rated Pressure—psig (bar)	500/350 (34.5/24)	500/350 (34.5/24)	500/350 (34.5/24)	350 (24)
ENGINE				
Make and Model	CAT C-15 ATAAC(T3)	CAT C-15 ATAAC(T3)	CAT C-18 ATAAC(T3)	CAT C-18 Twin Turbo
Operating Speed—rpm	1800	1800	1800	1850
Available Power—BHP (kW)	475 (354)	540 (403)	630 (470)	700 (522)
Displacement—in ³ (cc)	928 (15.2)	928 (15.2)	1106 (18.1)	1106 (18.1)
OPEN FRAME PACKAGE				
Working Weight—lbs (kg)	13050 (5919)	13050 (5919)	13050 (5919)	14,650 (6,645)
Length—in (mm)	182 (4623)	182 (4623)	182 (4623)	182 (4623)
Width—in (mm)	86 (2185)	86 (2185)	86 (2185)	86 (2185)
Height	90 (2286)	90 (2286)	90 (2286)	90 (2286)
Max. Operating Altitude—ft (m)	10000 (3048)	10000 (3048)	10000 (3048)	10000 (3048)
Fuel Consumption 100% Load—GPH (L/h)	21.6 (81.8)	27 (102.2)	30 (113.5)	34 (128.6)



THE SULLAIR LSR-16

149-351 CFM AT 100-175 PSIG—
4.1-9.8 M3/MIN AT 7-12 BAR



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

428-785 CFM AT 100-150 PSIG—
12.2-21.9 M3/MIN AT 8.5 BAR



THE SULLAIR DE-18

1550 CFM AT 75-150 PSIG—
44 M3/MIN AT 7-10 BAR



SULLAIR SSSR CONSTRUCTION DRYERS

500-1710 SCFM
-40 PRESSURE DEW POINT

Rental Packages for Your Fleet

Single-stage LSR-16, and two-stage TSR-20 and TSR-32 Compressors for Backup, Replacement or Emergency Air

Energy Savings are built in to help reduce your customers' rental costs: Premium efficiency motors and VSD—Variable Speed Drive on all models; Sullair's tandem air end design on two-stage compressors, and Sullair's spiral valve (not available on LSR-16)

Rugged Package Design

- Self-contained package
- Cold weather protection
- Suited for use outdoors
- Oil field skid
- Air-cooled or water-cooled packages on LSR-16; TSR-20 and TSR-32 are air-cooled only
- Fork lift pockets
- Heavy-duty sound-attenuated enclosure
- Easy-access doors
- Heavy-duty air inlet filter

User Friendly—Built-in disconnect switch, Lockable tamperproof controls, Easy access controls, Heavy-duty quiet enclosure, Draggable skid.

LSR and TSR plus SSSR Dryer for Oil-Free Air. Sullair Guarantees It.

System consists of an LSR-16, TSR-20 or TSR-32 and a SSSR dryer/filter package that produces air that meets or exceeds ISO 8573.1 for instrument quality air. Sullair guarantees it.

DR-13 Oil-Free, Motor Driven Rental Package

When the Only Acceptable Standard Is 100% Oil-Free Air.

Rugged—Oil field skid, Single point lift, Fork lift pockets, Stainless steel piping, Heavy duty enclosure, Spill proof baseplate.

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, Sequencing capabilities

User Friendly—Built-in electrical disconnect, Fully automated controls, External user connections, Lockable doors, RS485 monitoring.

DE-18 Oil-Free, Engine Driven Rental Package

When the Only Acceptable Standard Is 100% Oil-Free Air.

Rugged—Oil field skid, Four point lift, Fork lift pockets, Stainless steel piping, Heavy duty enclosure, 115% fluid containment.

Versatile—Air-cooled package, Suitable for outdoors, Cold weather protection to -20°F, Auxiliary heater locations, Self contained package, Integral air receiver tank, Noise attenuated enclosure, Low engine emissions, Sequencing capabilities

User Friendly—Electronic fuel system, Integrated control systems, Fully automated controls, External user connections, Remote fueling connections, Lockable doors, Lockable fuel fill.

SSSR Construction Dryers

- Rugged draggable skid suited for the rental industry
- Pre- and after-filters with DP gauges to assure instrument quality air
- Ball float drain on pre-filter
- NEMA 4 electrics for outdoor operation
- Available as 24v dc or 115v ac
- Options include low ambient kit, pneumatic controls, aftercooler with moisture separator.

COMPRESSOR PERFORMANCE

LSR-16 Model	40L	40H	50L	50H	50HH	50XH
Capacity—acfm (m ³ /min)	175 (4.9)	149 (4.1)	230 (6.4)	197 (5.5)	174 (4.8)	150 (4.2)
Pressure—psig (bar)	100 (7)	125 (8.5)	100 (7)	125 (8.5)	150 (10)	175 (12)

LSR-16 Model	60L	60H	60HH	60XH	75L	75H	75HH	75XH
Capacity—acfm (m ³ /min)	280 (7.8)	245 (6.8)	215 (6)	188 (5.2)	351 (9.8)	310 (8.6)	278 (7.7)	255 (7.1)
Pressure—psig (bar)	100 (7)	125 (8.5)	150 (10)	175 (12)	100 (7)	125 (8.5)	150 (10)	175 (12)

Dimensions & Weight with Enclosure, Air-Cooled (all models): Length—100" (2540 mm), Width—48.5" (1232 mm), Height—85" (2159 mm), Weight—5,500 lbs.(2495 kg)

COMPRESSOR PERFORMANCE

TSR-20 Model	100L	100H	100HH	100XH	125L	125H	125HH	125XH
Capacity—acfm (m ³ /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)

TSR-20 Model	150L	150H	150HH	150XH	200L	200H	200HH	200XH
Capacity—acfm (m ³ /min)	815 (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)

Dimensions & Weight with Enclosure, Air-Cooled (all models): Length—156" (3962 mm), Width—74" (1880 mm), Height—86" (2184 mm), Weight—11,600 lbs.(5262 kg)

COMPRESSOR PERFORMANCE

TSR-32 Model	200L	200H	200HH	200XH	250L	250H	250HH	250XH
Capacity—acfm (m ³ /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)

TSR-32 Model	300L	300H	300HH	300XH	TSR (fixed speed)
Capacity—acfm (m ³ /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)

Dimensions & Weight with Enclosure, Air-Cooled (all models): Length—220" (5588 mm), Width—84" (1372 mm), Height—104" (2642 mm), Weight—19,900 lbs.(926 kg)

COMPRESSOR PERFORMANCE

DR-13 Model	100	125	150	200
Capacity—acfm (m ³ /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)

Dimensions & Weight with Enclosure, Air-Cooled (all models): Length—144" (5588 mm), Width—72" (1829 mm), Height—80" (2032 mm), Weight—11,700 lbs.(5307 kg) (max.)

COMPRESSOR PERFORMANCE

DE-18 Model	
Actual Delivery—cfm (m ³ /min)	1550 (43.9)
Rated Pressure—psig (bar)	125 (9)
Rated Pressure, mini—psig (bar)	75 (5.2)
Pressure Range, max—psig (bar)	150 (10)

Dimensions & Weight with Enclosure: Length—228" (5791 mm), Width—88" (2235 mm), Height—98" (2489 mm), Working Weight—25000 lbs. (11340 kg)

SSDR DRYER SPECIFICATIONS

Model	Flow @ 100 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)
SSDR-820	820 (23.7)	1148 (32.5)	1336 (37.8)	3" FLG	4500 (2041)	103 (2616)	75 (1905)	94 (2387)
SSDR-1050	1050 (29.7)	1470 (41.6)	1711 (48.4)	3" FLG	4500 (2041)	103 (2616)	75 (1905)	94 (2387)
SSDR-1450	1450 (41)	2030 (57.5)	2363 (66.9)	4" FLG	5200 (2358)	118 (2927)	75 (1905)	94 (2387)
SSDR-1710	1710 (48.4)	2394 (67.8)	2787 (78.9)	4" FLG	5200 (2358)	118 (2927)	75 (1905)	94 (2387)



PAVING BREAKERS

- Greater operator comfort...less fatigue.
- Less air consumption.
- No special lubrication required.
- 50% fewer parts than conventional breakers.
- Parts interchangeability between models.
- Smoother operation...reduced kickback.
- Non-protrusive housing...more operating comfort.
- One piece housing... leakproof air cushion.
- Quieter...direct piston impact on steel shank, rather than tappet, reduces noise level.
- Variable speed throttle for controlled starting.
- Swivel air inlet with standard hose coupling.
- Plated finish.
 - Exhaust deflector.
- Replaceable chuck bushing.
- Anti-Vibration and super silent model options.



ROCK DRILLS

- Dead man handle.
 - Variable drilling speeds.
- One piece control for drilling and blowing.
- Fewer parts...less maintenance.
- Continuous hole cleaning.
- No special lubrication required.
- Built-in oil reservoir for rotating parts.
- Direct rotation or piston...eliminates wear parts.
- Swivel air inlet.



MRD-55 ROCK DRILL

- Rubber handle grips reduce vibration.
- Adjustable throttle control allows for variable speed.
- Reversible rotation pawls lengthens life.
- Replaceable bushings.
- Front Exhaust. Cleaner operating conditions.
- Optional "Wet Kit" available for dustless drilling.



MRD-60 ROCK DRILL

- Rubber handle grips reduce vibration.
- Dual controls for drilling and blowing.
- Adjustable exhaust valve.
- Built-in reservoir, requires line oiler.
- Replaceable chuck and piston bushing and rifle nut.



MRD-12 ROCK DRILL

- Palm throttle.
- Screw-on retainer.
- 7/8 x 3-1/4 chuck size.
- Lightweight for less fatigue.



CHIPPING HAMMERS

- Four bolt backhead reduces handle breakage.
- D Handle.
- No special lubrication required.
- Smoother operation.
 - Smooth nylon trigger.
- Exhaust deflector.
 - Plated finish on barrel.
- 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.
- Choice of retainers...oval collar standard universal ball type, round collar, (oval collar only on MLC 10) **or New Screw On Universal Ball Retainer.**



UTILITY DRILLS

- Ratchet springs have been eliminated.
- 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 easy bit changing.
- Air inlets 3/8" NPT internal standard.
- Swivel air inlet optional.



CLAY DIGGER, DEMOLITION TOOLS

- Greater operator comfort...less fatigue.
- Less air consumption.
- No special lubrication required.
- 50% fewer parts than conventional models.
- Parts interchangeability between models.
- Smoother operation...reduced kickback.
- Non protrusive housing, comfortable operation.
- One-piece housing...leakproof air cushion.
- Quieter...direct piston impact on steel shank, rather than tappet, reduces noise level.
- Variable speed throttle for controlled starting.
- Swivel air inlet with standard hose coupling.
- Plated finish.
 - Exhaust deflector.
- Replaceable chuck bushing.



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.



RIVET BUSTERS

- Open handle design with thumb throttle.
- D Handle with inside Trigger.
- Rotating metal exhaust deflector on open handle models.
- Muffler and screened inlet bushing on D-handle models.
- Interchange parts within models types reduces inventory.
- Variable throttle speed control.

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

Model No.	Description	Bore & Stroke	BPM	CFM	Warranty
PAVING BREAKERS – STANDARD “T” HANDLE					
MPB-90A	92 Lb. 1½" HX x 6" Chuck	2½" x 5½"	1380	62	■
MPB-90A	92 Lb. 1¼" HX x 6" Chuck	2½" x 5½"	1380	62	■
MPB-60A	69½ Lb. 1½" HX x 6" Chuck	2½" x 5½"	1360	48	■
MPB60A	69½ Lb. 1¼" HX x 6" Chuck	2½" x 5½"	1360	48	■
MPB-35C	39 Lb. 1" HX x 4¼" Chuck	1¾" x 5½"	1200	49	■
MPB-30A	35½ Lb. ¾" HX x 3¼" Chuck	1½" x 3½"	1850	37	■
MPB-30A	35½ Lb. 1" HX x 4¼" Chuck	1½" x 3½"	1850	37	■
PAVING BREAKERS – ANTI-VIBRATION OPTION WITH GUARD					
MPB-90AF	99½ Lb. 1½" HX x 6" Chuck	2½" x 5½"	1380	62	■
MPB-90AF	99½ Lb. 1¼" HX x 6" Chuck	2½" x 5½"	1380	62	■
MPB-60AF	77 Lb. 1½" HX x 6" Chuck	2½" x 5½"	1360	48	■
MPB-60AF	77 Lb. 1¼" HX x 6" Chuck	2½" x 5½"	1360	48	■
PAVING BREAKERS – SUPER SILENT OPTION					
MPB-90AS	94 Lb. 1½" HX x 6" Chuck	2½" x 5½"	1380	62	■
MPB-90AS	94 Lb. 1¼" HX x 6" Chuck	2½" x 5½"	1380	62	■
MPB-60AS	71½ Lb. 1½" HX x 6" Chuck	2½" x 5½"	1360	48	■
MPB-60AS	71½ Lb. 1¼" HX x 6" Chuck	2½" x 5½"	1360	48	■
PAVING BREAKERS – ANTI-VIBRATION – SILENT OPTION WITH GUARD					
MPB-90AFS	101 Lb. 1½" HX x 6" Chuck	2½" x 5½"	1380	62	■
MPB-90AFS	101 Lb. 1¼" HX x 6" Chuck	2½" x 5½"	1380	62	■
MPB-60AFS	78½ Lb. 1½" HX x 6" Chuck	2½" x 5½"	1360	48	■
MPB-60AFS	78½ Lb. 1¼" HX x 6" Chuck	2½" x 5½"	1360	48	■
CLAY DIGGERS AND DEMOLITION TOOLS					
MCD-30A	33¾ Lb. "D" Handle ¾" HX x 3¼" Chuck	1½" x 3½"	1850	37	■
MCD-30A	33¾ Lb. "D" Handle 1" HX x 4¼" Chuck	1½" x 3½"	1850	37	■
MDF-22	24.7 Lb. "D" Handle ¾" HX x 3¼" Chuck	1½" x 3½"	1850	37	□
MDF-30	33 Lb. "D" Handle 1 1/2" Jumbo Shank	1.4" x 7.4"	1000	37	□
BACKFILL TAMPERS					
MBT-6	40½ Lb. with 6" Dia. Butt	1½" x 5½"	500	32	□
RIVET BUSTERS					
MRB-11	33 Lb. 1 1/2" Jumbo	1½" x 11"	850	50	●
MRB-11-OH	32 Lb. 1 1/2" Jumbo	1½" x 11 5/16"	680	33	□
MRB-9-OH	31 Lb. 1 1/2" Jumbo	1½" x 8 5/16"	700	36	□
MRB-8	30 Lb. 1 1/2" Jumbo	1½" x 8"	1140	44	●
MRB-8S	32 Lb. 1 1/2" Jumbo	1 7/16" x 8"	800	41	□
MRB-6	29 Lb. 1 1/2" Jumbo	1½" x 6"	900	35	□
SCALERS					
SANS	Needle Scaler (19)	1" x 1½"	4600	7	●
SCWF	Weld Flux Scaler (19)	1" x 1½"	4600	7	●

Model No.	Description	Bore & Stroke	BPM	CFM	Warranty
ROCK DRILLS – DRY BLOW TYPE					
MRD-60	60 Lb. 7/8" HX x 4¼" Chuck	2½" x 2½"	1800	91	●
MRD-60	60 Lb. 1" HX x 4¼" Chuck	2½" x 2½"	1800	91	●
MRD-55	56 Lb. 7/8" HX x 4¼" Chuck	2½" x 2½"	1650	95	●
MRD-55	56 Lb. 1" HX x 4¼" Chuck	2½" x 2½"	1650	95	●
MRD-50	48½ Lb. 7/8" HX x 3¼" Chuck	3" x 2½"	1800	123	□
MRD-50	48½ Lb. 7/8" HX x 4¼" Chuck	3" x 2½"	1800	123	□
MRD-50	48½ Lb. 1" HX x 4¼" Chuck	3" x 2½"	1800	123	□
MRD-40	45½ Lb. 7/8" HX x 3¼" Chuck	2½" x 2½"	1800	82	□
MRD-40	45½ Lb. 7/8" HX x 4¼" Chuck	2½" x 2½"	1800	82	□
MRD-40	45½ Lb. 1" HX x 4¼" Chuck	2½" x 2½"	1800	82	□
MRD-30	34 Lb. 7/8" HX x 3¼" Chuck	2½" x 1¾"	2300	55	□
MRD-30	34 Lb. 7/8" HX x 3¼" Chuck	2½" x 1¾"	2300	55	□
MRD-12	12 Lb. 7/8" HX x 4¼" Chuck	1½" x 1½"	3200	28.5	□
MRD-9	9 Lb. "D" Handle ¾" Hex Chuck	1½" x 1½"	2800	21	□
CHIPPING HAMMERS - 4 BOLT HANDLE – SOLID RETAINER FOR OVAL COLLAR STEEL (OPTIONAL RETAINERS AVAILABLE)					
MCH-2	2" Stroke .680 Round Chuck	1½" x 3"	3600	26	■ ■
MCH-3	3" Stroke .680 Round Chuck	1½" x 3¾"	2280	29	■ ■
MCH-4	4" Stroke .680 Round Chuck	1½" x 4¼"	1800	33	■ ■
MCH-2	2" Stroke .580 Hex Chuck	1½" x 3"	3600	26	■ ■
MCH-3	3" Stroke .580 Hex Chuck	1½" x 3¾"	2280	29	■ ■
MCH-3S	3" Stroke .580 Hex Chuck	1½" x 3¾"	2280	29	■ ■
MCH-4	4" Stroke .580 Hex Chuck	1½" x 4¼"	1800	33	■ ■
CHIPPING HAMMERS - LIGHT WEIGHT WITH SOLID RETAINER FOR OVAL COLLAR STEEL					
MLC-10	12 Lb. with .680 Round Chuck	1¾" x 1¾"	2940	17	■ ■
MLC-10	12 Lb. with .580 Hex Chuck	1¾" x 1¾"	2940	17	■ ■
CONCRETE VIBRATORS					
MCV-300	5.3 lbs	1¾"	18K Hertz	16	● ●
MCV-400	9.0 lbs	1¾"	17K Hertz	17	● ●
MCV-580	18.0 lbs	2¼"	16K Hertz	35	● ●
MCV-780	33.0 lbs	3¼"	13K Hertz	51	● ●
SPIKE DRIVERS					
SSD-60	64 lbs. Not Applicable	2.25" x 4.1"	1400	59	●
SSD-90	89 lbs. Not Applicable	2.65" x 6.06"	1250	75	●

Warranty: ● = 6 Months; ■ = 2 Years; □ = 1 Year; ● = 90 Days, ■ ■ = 2 Years on Handle, 2 Year on Barrel and 1 Year Internal Parts excluding Retainer and Retainer Spring

Air Consumption Multipliers for Altitude Operation of Pneumatic Tools

The air consumption rate of various pneumatic tools are 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
1,000	1.032
2,000	1.065
3,000	1.100
4,000	1.136
5,000	1.174
6,000	1.213
7,000	1.255
8,000	1.298
9,000	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	Correction Factor
Sea Level	7.81	1.0
1,000	8.05	1.0
2,000	8.35	0.999
3,000	8.63	0.997
4,000	8.94	0.993
5,000	9.27	0.989
6,000	9.55	0.983
7,000	9.93	0.977
8,000	10.26	0.969
9,000	10.62	0.961
10,000	11.00	0.951

Gunite Applications

Due to the wide variety of applications, the various sizes of guns, the 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—125 130 185 260 375				
Model	Air Tool	Number of Tools/Compressor				
MPB-90A	Paving Breaker	2	2	3	4	8
MPB-60A	Paving Breaker	2	2	4	6	10
MPB-35B	Paving Breaker	3	3	5	7	11
MPB-30A	Paving Breaker	4	4	6	8	12
MCD-30A	Clay Digger	4	4	6	8	12
MBT-6	Tamper	4	4	7	10	16
MRD-50	Rock Drill	1	1	2	3	4
MRD-40	Rock Drill	1	1	2	4	6
MRD-30	Rock Drill	2	2	4	6	9
MCH-2	Chipping Hammer	4	4	7	10	15
MRD-9	Utility Drill	6	6	8	10	14

CFM x Number of Tools Ratio

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

# 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 easily handle eight breakers.

Metric Conversion Factors

To Convert From	To	Multiply By
Bar	Lbs./Sq. In. (PSI)	14.5033
Kilopascal-kPa	Lbs./Sq. In. (PSI)	0.1450
m ³ /min	CFM	35.3107
Liter Per Minute- L/min	Gallons Per Minute-GPM	0.2642
Kilometer/hour- km/h	Miles/Hour-MPH	0.6125
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	0.7375

Sullair Air Tools – Applications Guide

Sullair Model	Tool Class	Description	Weight	Applications	CFM @ 90psig
MLC-10	10#	Light Chipping Hammer	12 lbs.	For light chipping and overhead work, also fine detail and restoration work.	18
MCH-2/3/4	15#	Chipping Hammer	16-19 lbs.	For chipping in horizontal and overhead applications. Also used in industrial applications.	26-33
MRB-6/8/11	30#	Rivet Buster	30-33 lbs.	For cutting and driving large rivets, and heavy duty demolition work	44-50
MPB-30A	30#	Light Paving Breaker	35.5 lbs.	For breaking light concrete and other light jobs.	37
MPB-35C	40#	Light Paving Breaker	39 lbs.	For concrete bridge deck and general demo work.	49
MPB-60A	60#	Medium Paving Breaker	69.5 lbs.	For concrete road breaking and general demo work.	48
MPB-90A	90#	Heavy Paving Breaker	92 lbs.	For difficult, heavy demo work breaking tough, reinforced concrete.	62
MDT-22	20#	Light Digger	24.7 lbs.	For excavation of clay and hardpan. Also for light demolition work in horizontal position.	33.4
MDT-30	30#	Medium Demolition	33 lbs.	Medium to heavy duty demolition work	37
MCD-30	30#	Medium Digger	33.8 lbs.	For excavation of clay and hardpan. Also for light demolition work in horizontal position.	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-12	12#	Light Rock Drill	12 lbs.	For construction and maintenance, setting anchors and drilling holes in concrete and bricks.	12
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 1-1/2" diameter	80
MRD-50	50#	Medium Rock Drill	48.5 lbs.	Drill for depths up to 10 feet and 1-3/4" diameter.	123
MRD-55	55#	Heavy Rock Drill	56 lbs.	Drill for depths up to 20 feet and 2" diameter.	95
MRD-60	60#	Heavy Rock Drill	59 lbs	Drill for depths up to 25 feet and 3 " diameter.	98
MCV-300	1-3/16"	Concrete Vibrator	5.3 lbs.	For low slump pours of concrete footings, slabs and walls. Choose diameter for wall and slab thickness.	16
MCV-400	1-5/8"	Concrete Vibrator	9 lbs		17
MCV-580	2-1/4"	Concrete Vibrator	18 lbs.		35
MCV-780	3-1/16"	Concrete Vibrator	33 lbs.		51

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.

Sandblasting

Sandblasting equipment manufacturers recommend air pressures of 90 to 100 PSIG be used to insure low-cost, high production blasting. The sandblasting 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 sandblast nozzle wears, only 70 percent of a compressor's rated output should be used.

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

Sandblast Nozzles Air Requirements Chart Pounds of Sand Consumption Per Hour and Air Flow in Cubic Feet Per Minute

Approximate Air Consumption (CFM) per Blast Nozzle

Nozzle Size	Nozzle Pressure						
	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI
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	200	235	270
7/16"	170	193	215	240	270	315	360
1/2"	230	260	290	320	350	410	470
5/8"	360	406	454	500	550	640	740
3/4"	518	585	652	720	790	925	1060

Approximate Abrasive Consumption (LBS/HR) per Blast Nozzle

Nozzle Size	Nozzle Pressure						
	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI
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

Sullair AWF Compressor Fluid

Improved hot and cold weather lubrication. Longer compressor fluid life. Extended air-end warranty*.



The Advantages of using Sullair AWF!

- Longer compressor life.
- Longer compressor fluid life**.
- Lower compressor maintenance costs.
- Enhanced rust and corrosion protection.
- Reduced fluid carryover and fluid loss.
- Improved hot and cold weather lubrication.

*The Sullair portable compressor air end is warranted for 5-years or 10,000 hours, whichever comes first, when Sullair AWF fluid and genuine Sullair filters are used.

**1200 vs 300 hours (600 hours in 350 compressor)

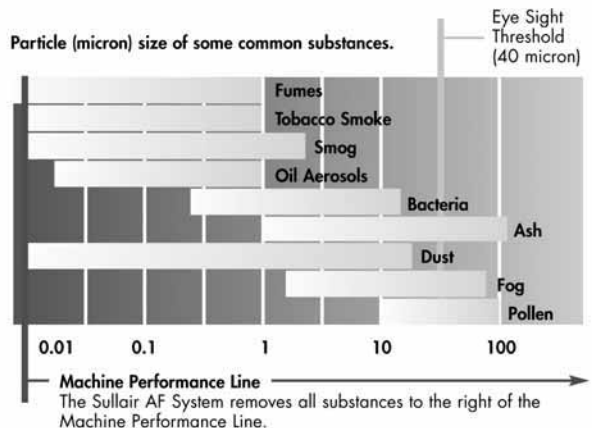
AWF Part numbers

5 gallon pail	250030-757
55 gallon drum	250030-758
Skid (32) 5 gallon pails	250038-782
Bulk (500 gallon minimum)	250025-266
4-1 gallon containers	02250098-048

Sullair's "AF" Machines (Aftercooled and Filtered) Produce "Instrument Quality" Air—ISO 8573-1: Class 1.7.1

Sullair's AF Product Line:

1600HAF	1450HHAF	1300HAF	900HAF	825AF	750HAF
750AF	600HAF	425AF	425HAF	375HAF	375HHAF
375AF	300HHAF				

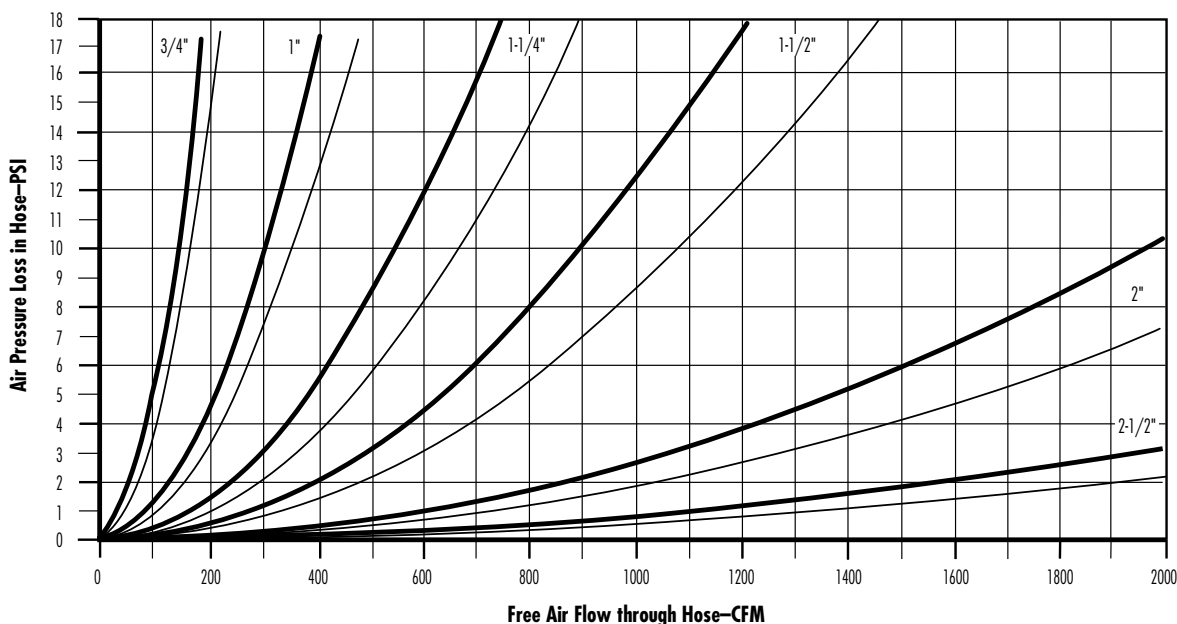


Pressure Loss in Air Hoses

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 dewpoint, 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 feet, one-half of the value shown, for 150 feet, 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 = /)



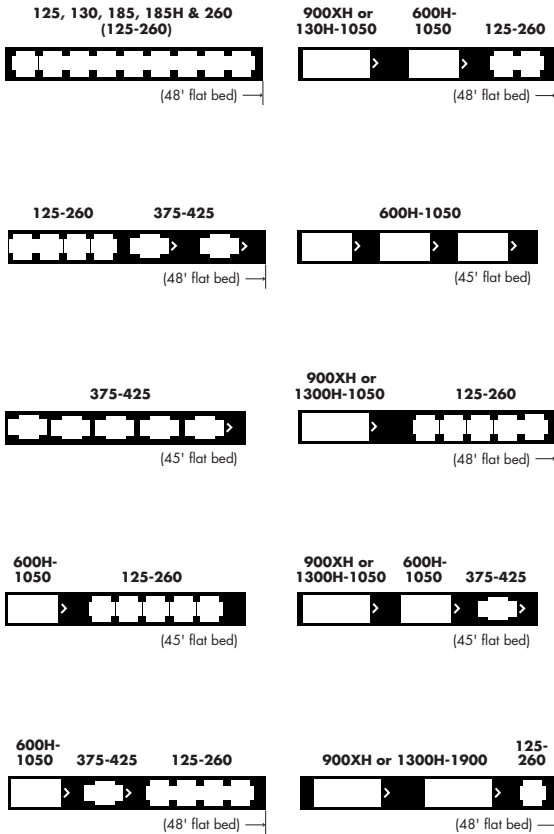
Example #1: A Customer has a 185 cfm Air compressor equipped with 100' of 3/4" hose to operate a Sullair 90 pound paving breaker. The 90 pound paving breaker requires 62 cfm to operate. How much pressure loss can the Customer expect at the tool if the compressor is providing 100 psig inlet pressure? **Answer:** Since the air tool requires 62 cfm of air to function, at 62 cfm of air flow through the 3/4" hose, approximately, 2 psi pressure loss is expected in a 50 foot length of 3/4" Air Hose. Since the Customer has 100' of hose, multiply the pressure loss by 2, and the Customer can expect 4 psi pressure loss (2 x 2 psi = 4 psi).

Example #2: A sandblaster Contractor has 200 Feet of 2" Air Hose to be used from the compressor to the sand pot. With the 1500 cfm he will need to supply his sand pot and blast nozzles, how much pressure loss can the Contractor expect in the 2" hose? . . . and, what would his pressure loss be

with a 2 1/2" hose? . . . Also, can the Contractor use his Sullair 1600H (1600 cfm at 150 psig) with either hose? . . . And, which hose would be more efficient and yield lower fuel costs? **Answer (part I):** From the Chart at 1500 cfm, a 50' hose length of 2" hose will have approximately 6 psi pressure loss. 200' of hose is equivalent to 4 50' lengths. Therefore, 4 x 6 psi equals 24 psi (approximate) pressure drop. **(part II):** A 2-1/2" air hose would have approximately less than 2 psi in a 50' length or less than 8 psi pressure loss in a 200' length (4 x 2 psi = 8 psi approximate pressure drop). **(part III):** Yes, the Sullair 1600H has sufficient capacity and pressure capability. **(part IV):** The 2" Hose requires the Air Compressor to operate at a minimum of 24 psi higher. Higher pressure at the Air Compressor means greater horsepower required by the engine which means more fuel. The 2-1/2" Hose would be the better economical choice with a much lower pressure loss.

Portable Compressor Truck Loading Combinations

Notes



- 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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