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# PORTABLE AIR POWER

— INTERNATIONAL —



[Sullair.com](http://Sullair.com)



## THE SULLAIR ADVANTAGE

### *Air compressors built to last*

Since 1965, Sullair has been developing and manufacturing air compressors with proven reliability and durability. The superior performance of our machines is the result of our legendary air end, precision-engineered with leading-edge rotary screw design.

## SULLAIR PORTABLE AIR POWER EQUIPMENT

### *Your Complete Resource for Portable Compressed Air*

*Inside Your Comprehensive Guide:*

- Detailed specs for products in our portable line
- Standard features and additional options for each model
- Complete description of available air tools
- Air consumption altitude multipliers, pressure loss calculators and more

# 185 Family

## Rotary Screw Compressor

Model details & specifications inside



### THE SULLAIR 185

185 cfm at 100 psig—5.2 m<sup>3</sup>/min at 7 bar

\*Not all models may be available in your region. Contact your Sullair sales representative for more details.

#### 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
- Rear bumper

#### 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

#### Quiet Operation

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

# 185 Family

## Rotary Screw Compressor

<b>Model</b>	<b>185 (IT4)</b>
<b>GENERAL</b>	
<b>Actual Delivery</b> - <i>cfm (m<sup>3</sup>/min)</i>	185 (5.2)
<b>Rated Pressure</b> - <i>psig (bar)</i>	100 (7)
<b>Pressure Range, min</b> - <i>psig (bar)</i>	80 (5.5)
<b>Pressure Range, max</b> - <i>psig (bar)</i>	125 (8.6)
<b>ENGINE</b>	
<b>Make &amp; Model</b>	CATC2.2 (IT4)
<b>Operating Speed</b> - <i>rpm</i>	2800
<b>Available Power</b> - <i>bhp (kW)</i>	60 (44.7)
<b>Displacement</b> - <i>in<sup>3</sup> (cm<sup>3</sup>)</i>	134 (2196)
<b>Cooling System Capacity</b> - <i>gal (l)</i>	2.5 (9.5)
<b>Engine Oil Capacity</b> - <i>qts (l)</i>	11.2 (10.6)
<b>Fuel Tank Capacity</b> - <i>gal (l)</i>	20 (75.5)
<b>Electrical System Voltage</b>	12
<b>Battery Rating</b> - <i>CCA</i>	760
<b>COMPRESSOR</b>	
<b>Service Valves</b> - <i>No. &amp; (Size)</i>	2 (3/4")
<b>Compressor Oil Capacity</b> - <i>gal (l)</i>	3 (11.4)
<b>Receiver Tank Volume</b> - <i>ft<sup>3</sup> (m<sup>3</sup>)</i>	0.97 (0.03)
<b>DPQ PACKAGE</b>	
<b>Working Weight</b> - <i>lbs (kg)</i>	2130 (966)
<b>Dry Weight</b> - <i>lbs (kg)</i>	1990 (903)
<b>Length</b> - <i>in (mm)</i>	130.8 (3322)
<b>Width</b> - <i>in (mm)</i>	59.2 (1504)
<b>Height</b> - <i>in (mm)</i>	53.9 (1369)
<b>Track Width</b> - <i>in (mm)</i>	50.9 (1294)
<b>Max Towing Speed</b> - <i>mph (km/h)</i>	55 (89)
<b>Axle Rating</b> - <i>lbs (kg)</i>	3700 (1678)
<b>Tire Size</b>	ST175/80D13
<b>DLQ PACKAGE</b>	
<b>Working Weight</b> - <i>lbs (kg)</i>	1885 (855)
<b>Dry Weight</b> - <i>lbs (kg)</i>	1745 (792)
<b>Length</b> - <i>in (mm)</i>	72.5 (1842)
<b>Width</b> - <i>in (mm)</i>	40.7 (1034)
<b>Height</b> - <i>in (mm)</i>	44.5 (1130)
<b>PERFORMANCE</b>	
<b>Fuel Consumption 100% Load</b> - <i>gph (l/h)</i>	3.4 (12.9)
<b>Max. Operating Altitude</b> - <i>ft (m)</i>	11000 (3353)

# 260 Family

## Rotary Screw Compressor



### THE SULLAIR 225H

225 cfm at 150 psig—6.4 m<sup>3</sup>/min at 10 bar

Available in **T2** **T3**



### THE SULLAIR 260

260 cfm at 100 psig—  
7.4 m<sup>3</sup>/min at 7 bar

Available in **T2** **T3**

Model details & specifications inside

\*Not all models may be available in your region. Contact your Sullair sales representative for more details.

### Multi-Piece Canopy

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

### 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

### 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

### Large Curbside Toolbox

#### Curbside Instrument Panel

- Hinged, padlockable cover
- Mechanical air pressure gauge, hour meter, ignition start switch

#### SSAM – 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)

#### 0 to 100% Capacity Control

- Pneumatic inlet valve and unloaded starting

#### 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

#### 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

#### Quiet Operation

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

# 260 Family

## Rotary Screw Compressor

Model	225H (T2)	225H (T3)	260 (T2)	260 (T3)
<b>GENERAL</b>				
<b>Actual Delivery</b> - <i>cfm (m<sup>3</sup>/min)</i>	225 (6.4)	225 (6.4)	260 (7.4)	260 (7.4)
<b>Rated Pressure</b> - <i>psig (bar)</i>	150 (10)	150 (10)	100 (7)	100 (7)
<b>Pressure Range, min</b> - <i>psig (bar)</i>	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)
<b>Pressure Range, max</b> - <i>psig (bar)</i>	150 (10)	150 (10)	125 (8.5)	125 (8.5)
<b>ENGINE</b>				
<b>Make &amp; Model</b>	JD5030T (T2)	CA3.4 (T3)	JD5030T (T2)	CA3.4 (T3)
<b>Cylinders</b>	5	4	5	4
<b>Operating Speed</b> - <i>rpm</i>	2500	2500	2500	2500
<b>Available Power</b> - <i>bhp (kW)</i>	82 (61)	83 (62)	82 (61)	83 (62)
<b>Displacement</b> - <i>in<sup>3</sup> (cm<sup>3</sup>)</i>	186 (3048)	201 (3294)	186 (3048)	201 (3294)
<b>Cooling System Capacity</b> - <i>gal (l)</i>	4 (15.1)	4 (15.1)	4 (15.1)	4 (15.1)
<b>Engine Oil Capacity</b> - <i>qts (l)</i>	11.8 (11.2)	9 (8.5)	11.8 (11.2)	9 (8.5)
<b>Fuel Tank Capacity</b> - <i>gal (l)</i>	35 (132.5)	35 (132.5)	35 (132.5)	35 (132.5)
<b>Electrical System Voltage</b>	12	12	12	12
<b>Battery Rating</b> - <i>CCA</i>	760	760	760	760
<b>COMPRESSOR</b>				
<b>Service Valves</b> - <i>No. &amp; (Size)</i>	2 (3/4")	2 (3/4")	2 (3/4")	2 (3/4")
<b>Compressor Oil Capacity</b> - <i>gal (l)</i>	3 (11.4)	3 (11.4)	3 (11.4)	3 (11.4)
<b>Receiver Tank Volume</b> - <i>ft<sup>3</sup> (m<sup>3</sup>)</i>	1.43 (.04)	1.43 (.04)	1.43 (.04)	1.43 (.04)
<b>DPQ PACKAGE</b>				
<b>Working Weight</b> - <i>lbs (kg)</i>	2720 (1234)	2640 (1197)	2840 (1288)	2760 (1252)
<b>Dry Weight</b> - <i>lbs (kg)</i>	2475 (1123)	2395 (1086)	2595 (1177)	2515 (1141)
<b>Length</b> - <i>in (mm)</i>	143.3 (3640)	143.3 (3640)	143.3 (3640)	143.3 (3640)
<b>Width</b> - <i>in (mm)</i>	65.4 (1661)	65.4 (1661)	65.4 (1661)	65.4 (1661)
<b>Height</b> - <i>in (mm)</i>	64.9 (1649)	64.9 (1649)	64.9 (1649)	64.9 (1649)
<b>Track Width</b> - <i>in (mm)</i>	55 (1397)	55 (1397)	55 (1397)	55 (1397)
<b>Max Towing Speed</b> - <i>mph (km/h)</i>	55 (89)	55 (89)	55 (89)	55 (89)
<b>Axle Rating</b> - <i>lbs (kg)</i>	3500 (1588)	3500 (1588)	3500 (1588)	3500 (1588)
<b>Tire Size</b>	205/75D15	205/75D15	205/75D15	205/75D15
<b>DLQ PACKAGE</b>				
<b>Working Weight</b> - <i>lbs (kg)</i>	2465 (1118)	2385 (1082)	2385 (1173)	2505 (1136)
<b>Dry Weight</b> - <i>lbs (kg)</i>	2220 (1007)	2140 (971)	2340 (1061)	2260 (1025)
<b>Length</b> - <i>in (mm)</i>	95.6 (2428)	95.6 (2428)	95.6 (2428)	95.6 (2428)
<b>Width</b> - <i>in (mm)</i>	47.6 (1209)	47.6 (1209)	47.6 (1209)	47.6 (1209)
<b>Height</b> - <i>in (mm)</i>	54 (1372)	54 (1372)	54 (1372)	54 (1372)
<b>PERFORMANCE</b>				
<b>Fuel Consumption 100% Load</b> - <i>gph (l/h)</i>	4.2 (15.5)	3.67 (13.9)	4.1 (15.5)	3.67 (13.9)
<b>Max. Operating Altitude</b> - <i>ft (m)</i>	11000 (3353)	11000 (3353)	11000 (3353)	11000 (3353)

# 375 Family

## Rotary Screw Compressor

Model details & specifications inside



### THE SULLAIR 300HH

300 cfm at 200 psig—  
8.5 m<sup>3</sup>/min at 14 bar

Available in **T2** **T3** **AF**



### THE SULLAIR 375

375 cfm at 100 psig—  
10.6 m<sup>3</sup>/min at 7 bar

Available in **T2** **T3** **AF**



### THE SULLAIR 375H

375 cfm at 150 psig—  
10.6 m<sup>3</sup>/min at 10 bar

Available in **T3** **AF**

Available in **T2** **T3** **AF** \*Not all models may be available in your region. Contact your Sullair sales representative for more details.

### Multi-Piece Canopy

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

### 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

### Highway Towable Running Gear

- 3" x 5" 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

### Large Curbside Toolbox

#### Curbside Instrument Panel

- Hinged, padlockable cover
- Mechanical air pressure gauge, hour meter, ignition start switch

#### SSAM – 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)

#### 0 to 100% Capacity Control

- Pneumatic inlet valve and unloaded starting

#### 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

#### 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

#### Quiet Operation

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





# 375 Family (continued) Rotary Screw Compressor



## THE SULLAIR 375H

375 cfm at 150 psig—10 m<sup>3</sup>/min at 10 bar

Available in **T2** **T3** **AF**



## THE SULLAIR 375HH

375 cfm at 200 psig—  
10.6 m<sup>3</sup>/min at 14 bar

Available in **T3** **AF**



## THE SULLAIR 425

425 cfm at 100 psig—  
12 m<sup>3</sup>/min at 7 bar

Available in **T2** **T3** **AF**



## THE SULLAIR 425H

425 cfm at 150 psig—  
12 m<sup>3</sup>/min at 10 bar

Available in **T3** **AF**

Available in **T2** **T3** **AF** \*Not all models may be available in your region. Contact your Sullair sales representative for more details.

Model details & specifications inside

### Multi-Piece Canopy

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

### 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

### Highway Towable Running Gear

- 3" x 5" 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

### Large Curbside Toolbox

#### Curbside Instrument Panel

- Hinged, padlockable cover
- Mechanical air pressure gauge, hour meter, ignition start switch

#### SSAM – 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)

#### 0 to 100% Capacity Control

- Pneumatic inlet valve and unloaded starting

#### 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

#### 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

#### Quiet Operation

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



# 600 Single Axle Family

## Rotary Screw Compressor

Model details & specifications inside



### THE SULLAIR 550RH

550 cfm at 250 psig—15.6 m<sup>3</sup>/min at 17 bar

Available in **T2** **T3** **AF**



### THE SULLAIR 600HH

600 cfm at 200 psig—  
16.8 m<sup>3</sup>/min at 14 bar

Available in **T2** **T3** **AF**



### THE SULLAIR 700HH

700 cfm at 175 psig—  
19.8 m<sup>3</sup>/min at 12 bar

Available in **T2** **T3** **AF**



### THE SULLAIR 750H

750 cfm at 150 psig—  
21.2 m<sup>3</sup>/min at 10 bar

Available in **T2** **T3** **AF**

Available in **T2** **T3** **AF** \*Not all models may be available in your region. Contact your Sullair sales representative for more details.

### Multi-Piece Canopy

- Modular design reduces replacement costs
- Single point lifting bail
- Easily removed as one assembly for major service

### Ample Service Doors

- Large service doors provide access to fuel tank, engine, compressor and air filters
- Rear service panel provides access to side-by-side compressor fluid cooler, engine air cooler and engine radiator
- Serviceable components within easy reach
- Routine maintenance is simplified
- Reduced downtime and service cost
- Service doors feature non-rusting hinges and top-of-the-line door retainers

### Highway Towable Running Gear

- 5" square drawbar
- Adjustable height hitch (15", 17", 19")
- Quick-change hitch
- Screw jack with pad
- Transport security chains
- E-Z lube axle lubrication
- Heavy duty independent torsion spring suspension
- Electric brakes with auxiliary battery

### Curbside Instrument Panel

- Hinged, padlockable cover
- Mechanical air pressure gauge
- Powerview engine monitor
- Rocker type engine start switch
- Idle warm-up valve
- High/Low pressure selector valve allows dual pressure capability without making mechanical adjustments

### 0 to 100% Capacity Control

- Pneumatic inlet valve and unloaded starting

### SSAM – Shutdown System & Annunciation Module

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

### Three-Stage Dry Type Air Filters

- Separate filters for engine and compressor
- Safety elements

### Complete Fluid Containment

- Remote bulkhead drain valves for all fluids

### 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



# 900 T3 Family

## Rotary Screw Compressor

Model details & specifications inside



### THE SULLAIR 600H

600 cfm at 150 psig – 17 m<sup>3</sup>/min at 10 bar

Available in **T3** **AF**



### THE SULLAIR 750

750 cfm at 125 psig – 21.2 m<sup>3</sup>/min at 9 bar

Available in **T3** **AF**



### THE SULLAIR 750H

750 cfm at 150 psig – 21.2 m<sup>3</sup>/min AT 10 bar

Available in **T3** **AF**



### THE SULLAIR 750HH

750 cfm at 175 psig – 21.2 m<sup>3</sup>/min at 12 bar

Available in **T3** **AF**



### THE SULLAIR 825

825 cfm at 125 psig – 23.4 m<sup>3</sup>/min at 8.5 bar

Available in **T3** **AF**



### THE SULLAIR 900

900 cfm at 100 psig – 25.5 m<sup>3</sup>/min at 7 bar

Available in **T3** **AF**



### THE SULLAIR 900H

900 cfm at 150 psig – 25.5 m<sup>3</sup>/min at 10 bar

Available in **T3** **AF**



### THE SULLAIR 1050

1050 cfm at 100 psig – 29.7 m<sup>3</sup>/min at 7 bar

Available in **T3** **AF**

### 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

### 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

#### 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

#### Quiet Operation

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

Available in **T3** \*Not all models may be available in your region. Contact your Sullair sales representative for more details.



# 1600 T3 Family

## Rotary Screw Compressor



### THE SULLAIR 1300H

1300 cfm at 150 psig—36.8 m<sup>3</sup>/min at 10 bar

Available in **T3** **AF**



### THE SULLAIR 1300HH

1300 cfm at 200 psig—  
36.8 m<sup>3</sup>/min at 14 bar

Available in **T3** **AF**



### THE SULLAIR 1450HH

1450 cfm at 175 psig—  
41.1 m<sup>3</sup>/min at 12 bar

Available in **T3** **AF**



### THE SULLAIR 1600

1600 cfm at 100 psig—  
45.3 m<sup>3</sup>/min at 7 bar

Available in **T3** **AF**



### THE SULLAIR 1600H

1600 cfm at 150 psig—  
45.3 m<sup>3</sup>/min at 10 bar

Available in **T3** **AF**

Available in **T3**

\*Not all models may be available in your region. Contact your Sullair sales representative for more details.

Model details & specifications inside

### 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 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
- 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

### 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

### Quiet Operation

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

# 1600 T3 Family

## Rotary Screw Compressor

**AF** See pg 57 for additional information on  
Aftercooled or Aftercooled & Filtered models available

Model	1300H (T3)	1300HH (T3)	1450HH (T3)	1600 (T3)	1600H (T3)
<b>GENERAL</b>					
<b>Actual Delivery</b> - <i>cfm (m<sup>3</sup>/min)</i>	1300 (36.8)	1300 (36.8)	1450 (41.1)	1600 (45.3)	1600 (45.3)
<b>Rated Pressure</b> - <i>psig (bar)</i>	150 (10.3)	200 (13.8)	175 (12.1)	100 (6.9)	150 (10.3)
<b>Pressure Range, min</b> - <i>psig (bar)</i>	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)
<b>Pressure Range, max</b> - <i>psig (bar)</i>	150 (10.3)	200 (13.8)	175 (12.1)	100 (6.9)	150 (10.3)
<b>ENGINE</b>					
<b>Make &amp; Model</b>	CATC-15ATAAC (T3)	CATC-15ATAAC (T3)	CATC-15ATAAC (T3)	CATC-15ATAAC (T3)	CATC-15ATAAC (T3)
<b>Cylinders</b>	6	6	6	6	6
<b>Operating Speed</b> - <i>rpm</i>	1800	1800	1800	1800	1800
<b>Available Power</b> - <i>bhp (kW)</i>	475 (354)	540 (403)	540 (403)	540 (403)	540 (403)
<b>Displacement</b> - <i>in<sup>3</sup> (cm<sup>3</sup>)</i>	928 (15207)	928 (15207)	928 (15207)	928 (15207)	928 (15207)
<b>Cooling System Capacity</b> - <i>gal (l)</i>	32 (121)	32 (121)	32 (121)	32 (121)	32 (121)
<b>Engine Oil Capacity</b> - <i>qts (l)</i>	36 (34)	36 (34)	36 (34)	36 (34)	36 (34)
<b>Fuel Tank Capacity</b> - <i>gal (l)</i>	190 (719)	190 (719)	190 (719)	190 (719)	190 (719)
<b>Electrical System Voltage</b>	24	24	24	24	24
<b>Battery Rating</b> - <i>CCA</i>	1375	1375	1375	1375	1375
<b>COMPRESSOR</b>					
<b>Service Valves</b> - <i>No. &amp; (Size)</i>	1 (3" NPT)	1 (3" NPT)	1 (3" NPT)	1 (3" NPT)	1 (3" NPT)
<b>Compressor Oil Capacity</b> - <i>gal (l)</i>	58 (220)	58 (220)	58 (220)	58 (220)	58 (220)
<b>Receiver Tank Volume</b> - <i>ft<sup>3</sup> (m<sup>3</sup>)</i>	23 (.65)	23 (.65)	23 (.65)	23 (.65)	23 (.65)
<b>DTQ PACKAGE - TRI-AXLE</b>					
<b>Working Weight</b> - <i>lbs (kg)</i>	16670 (7561)	16670 (7561)	16670 (7561)	16670 (7561)	16670 (7561)
<b>Dry Weight</b> - <i>lbs (kg)</i>	15020 (6813)	15020 (6813)	15020 (6813)	15020 (6813)	15020 (6813)
<b>Length</b> - <i>in (mm)</i>	231 (5867)	231 (5867)	231 (5867)	231 (5867)	231 (5867)
<b>Width</b> - <i>in (mm)</i>	88 (2235)	88 (2235)	88 (2235)	88 (2235)	88 (2235)
<b>Height</b> - <i>in (mm)</i>	93 (2362)	93 (2362)	93 (2362)	93 (2362)	93 (2362)
<b>Track Width</b> - <i>in (mm)</i>	81 (2050)	81 (2050)	81 (2050)	81 (2050)	81 (2050)
<b>Max Towing Speed</b> - <i>mph (km/h)</i>	55 (89)	55 (89)	55 (89)	55 (89)	55 (89)
<b>Axle Rating</b> - <i>lbs (kg)</i>	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)	6000 (2722)
<b>Tire Size</b>	ST235/80R16 E	ST235/80R16 E	ST235/80R16 E	ST235/80R16 E	ST235/80R16 E
<b>DWQ PACKAGE - 4 WHEEL</b>					
<b>Working Weight</b> - <i>lbs (kg)</i>	16040 (7276)	16040 (7276)	16040 (7276)	16040 (7276)	16040 (7276)
<b>Dry Weight</b> - <i>lbs (kg)</i>	15010 (6808)	15010 (6808)	15010 (6808)	15010 (6808)	15010 (6808)
<b>Length</b> - <i>in (mm)</i>	234 (5944)	234 (5944)	234 (5944)	234 (5944)	234 (5944)
<b>Width</b> - <i>in (mm)</i>	88 (2235)	88 (2235)	88 (2235)	88 (2235)	88 (2235)
<b>Height</b> - <i>in (mm)</i>	98 (2489)	98 (2489)	98 (2489)	98 (2489)	98 (2489)
<b>Track Width</b> - <i>in (mm)</i>	78 (1981)	78 (1981)	78 (1981)	78 (1981)	78 (1981)
<b>Axle Rating</b> - <i>lbs (kg)</i>	12000 (5443)	12000 (5443)	12000 (5443)	12000 (5443)	12000 (5443)
<b>Tire Size</b>	8.25R15R G w/tube	8.25R15R G w/tube	8.25R15R G w/tube	8.25R15R G w/tube	8.25R15R G w/tube
<b>DLQ PACKAGE</b>					
<b>Working Weight</b> - <i>lbs (kg)</i>	15250 (6917)	15250 (6917)	15250 (6917)	15250 (6917)	15250 (6917)
<b>Dry Weight</b> - <i>lbs (kg)</i>	13920 (6314)	13920 (6314)	13920 (6314)	13920 (6314)	13920 (6314)
<b>Length</b> - <i>in (mm)</i>	189 (4801)	189 (4801)	189 (4801)	189 (4801)	189 (4801)
<b>Width</b> - <i>in (mm)</i>	88 (2235)	88 (2235)	88 (2235)	88 (2235)	88 (2235)
<b>Height</b> - <i>in (mm)</i>	83 (2108)	83 (2108)	83 (2108)	83 (2108)	83 (2108)
<b>PERFORMANCE</b>					
<b>Fuel Consumption 100% Load</b> - <i>gph (l/h)</i>	21.3 (80.6)	24.9 (94.3)	25.8 (97.7)	21.7 (82.1)	26.3 (99.6)
<b>Max. Operating Altitude</b> - <i>ft (m)</i>	11000 (3353)	9000 (2743)	9000 (2743)	12000 (3658)	9000 (2743)



# Electric Portable Rotary Screw Compressor

Model details & specifications inside



## The Sullair E900H

900 cfm at 150 psig–25.5 m<sup>3</sup>/min at 10 bar

Available in 

### Ample 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® 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

### Quiet Operation

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

\*Not all models may be available in your region. Contact your Sullair sales representative for more details.

# Electric Portable Rotary Screw Compressor

 See pg 57 for additional information on  
Aftercooled or Aftercooled & Filtered models available

Model	E900H	E900H
<b>GENERAL</b>		
<b>Actual Delivery</b> - <i>cfm (m<sup>3</sup>/min)</i>	900 (25.5)	900 (25.5)
<b>Rated Pressure</b> - <i>psig (bar)</i>	150 (10.3)	150 (10.3)
<b>Pressure Range, min</b> - <i>psig (bar)</i>	80 (5.5)	80 (5.5)
<b>Pressure Range, max</b> - <i>psig (bar)</i>	150 (10.3)	150 (10.3)
<b>ENGINE</b>		
<b>Make &amp; Model</b>	Hebei	Hebei
<b>Operating Speed</b> - <i>rpm</i>	1775	1480
<b>Available Power</b> - <i>bhp (kW)</i>	214 (160)	214 (160)
<b>Electrical System Voltage</b>	460/3/60	380/3/50
<b>COMPRESSOR</b>		
<b>Service Valves</b> - <i>No. &amp; (Size)</i>	2 (1")	2 (1")
<b>Compressor Oil Capacity</b> - <i>gal (l)</i>	29 (109.8)	29 (109.8)
<b>Receiver Tank Volume</b> - <i>ft<sup>3</sup> (m<sup>3</sup>)</i>	7.4 (.2)	7.4 (.2)
<b>ETQ PACKAGE - TANDEM AXLE</b>		
<b>Working Weight</b> - <i>lbs (kg)</i>	11780 (5343)	11780 (5343)
<b>Length</b> - <i>in (mm)</i>	194 (4928)	194 (4928)
<b>Width</b> - <i>in (mm)</i>	83 (2108)	83 (2108)
<b>Height</b> - <i>in (mm)</i>	94 (2388)	94 (2388)
<b>Track Width</b> - <i>in (mm)</i>	67 (1702)	67 (1702)
<b>Max Towing Speed</b> - <i>mph (km/h)</i>	55 (89)	55 (89)
<b>Axle Rating</b> - <i>lbs (kg)</i>	8000 (3629)	8000 (3629)
<b>Tire Size</b>	ST 235/80 R16	ST 235/80 R16
<b>ELQ PACKAGE</b>		
<b>Working Weight</b> - <i>lbs (kg)</i>	10030 (4550)	10030 (4550)
<b>Length</b> - <i>in (mm)</i>	144 (3658)	144 (3658)
<b>Width</b> - <i>in (mm)</i>	79 (2007)	79 (2007)
<b>Height</b> - <i>in (mm)</i>	67 (1702)	67 (1702)

# High Pressure Family Rotary Screw Compressor

Model details & specifications inside



## THE SULLAIR 750XHH/900XH

750 cfm at 500 psig—21.2 m<sup>3</sup>/min at 34.5 bar  
900 cfm at 350 psig—25.5 m<sup>3</sup>/min at 24 bar

Available in **T3** **AF**



## THE SULLAIR 900XHH/1150XH

900 cfm at 500 psig—25.5 m<sup>3</sup>/min at 35 bar  
1150 cfm at 350 psig—32.6 m<sup>3</sup>/min at 24 bar

Available in **T3** **AF**

Available in **T3** \*Not all models may be available in your region. Contact your Sullair sales representative for more details.

### 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 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

### 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

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

### Quiet Operation

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

# High Pressure Family

## Rotary Screw Compressor

**AF** See pg 57 for additional information on Aftercooled or Aftercooled & Filtered models available

Model	750XHH/900XH (T3)	900XHH/1150XH (T3)
<b>GENERAL</b>		
Actual Delivery - <i>cfm (m<sup>3</sup>/min)</i>	750/900 (21.2/25.5)	900/1150 (25.5/32.6)
Rated Pressure - <i>psig (bar)</i>	500/350 (34.5/24.1)	500/350 (34.5/24.1)
Pressure Range, min - <i>psig (bar)</i>	200 (13.8)	200 (13.8)
Pressure Range, max - <i>psig (bar)</i>	500 (34.5)	500 (34.5)
<b>ENGINE</b>		
Make & Model	CAT C-15ATAAC (T3)	CAT C-15ATAAC (T3)
Operating Speed - <i>rpm</i>	1800	1800
Available Power - <i>bhp (kW)</i>	475 (354)	540 (403)
Displacement - <i>in<sup>3</sup>(cm<sup>3</sup>)</i>	928 (15207)	928 (15207)
Cooling System Capacity - <i>gal (l)</i>	32 (121)	32 (121)
Engine Oil Capacity - <i>qts (l)</i>	36 (34)	36 (34)
Fuel Tank Capacity - <i>gal (l)</i>	190 (719)	190 (719)
Electrical System Voltage	24	24
Battery Rating - <i>CCA</i>	1375	1375
<b>COMPRESSOR</b>		
Service Valves - <i>No. &amp; [Size]</i>	1 (2")	1 (2")
Compressor Oil Capacity - <i>gal (l)</i>	58 (220)	58 (220)
Receiver Tank Volume - <i>ft<sup>3</sup> (m<sup>3</sup>)</i>	13 (.37)	13 (.37)
<b>DTQ PACKAGE - TRI-AXLE</b>		
Working Weight - <i>lbs (kg)</i>	16040 (7276)	16040 (7276)
Dry Weight - <i>lbs (kg)</i>	14710 (6672)	14710 (6672)
Length - <i>in (mm)</i>	231 (5867)	231 (5867)
Width - <i>in (mm)</i>	88 (2235)	88 (2235)
Height - <i>in (mm)</i>	93 (2362)	93 (2362)
Track Width - <i>in (mm)</i>	81 (2050)	81 (2050)
Max Towing Speed - <i>mph (km/h)</i>	55 (89)	55 (89)
Axle Rating - <i>lbs (kg)</i>	6000 (2722)	6000 (2722)
Tire Size	ST235/80R16 E	ST235/80R16 E
<b>DWQ PACKAGE - 4 WHEEL</b>		
Working Weight - <i>lbs (kg)</i>	15630 (7090)	15710 (7126)
Dry Weight - <i>lbs (kg)</i>	14300 (6486)	14380 (6523)
Length - <i>in (mm)</i>	244 (6198)	244 (6198)
Width - <i>in (mm)</i>	88 (2235)	88 (2235)
Height - <i>in (mm)</i>	98 (2489)	98 (2489)
Track Width - <i>in (mm)</i>	78 (1981)	78 (1981)
Axle Rating - <i>lbs (kg)</i>	12000 (5443)	12000 (5443)
Tire Size	8.25R15R G w/tube	8.25R15R G w/tube
<b>DLQ PACKAGE</b>		
Working Weight - <i>lbs (kg)</i>	14850 (6736)	14940 (6777)
Dry Weight - <i>lbs (kg)</i>	13520 (6133)	13610 (6173)
Length - <i>in (mm)</i>	189 (4801)	189 (4801)
Width - <i>in (mm)</i>	88 (2235)	88 (2235)
Height - <i>in (mm)</i>	83 (2108)	83 (2108)
<b>PERFORMANCE</b>		
Fuel Consumption 100% Load - <i>gph (l/h)</i>	21.6 (81.8)	27.8 (105.2)
Max. Operating Altitude - <i>ft (m)</i>	11000 (3353)	12400 (3780)

# Open Frame Family

## Rotary Screw Compressor

Model details & specifications inside



### THE SULLAIR 750XH/900XHDL

750 cfm at 500 psig—21.2 m<sup>3</sup>/min at 35 bar  
900 cfm at 350 psig—25.5 m<sup>3</sup>/min at 24 bar

Available in **T3** **AF**



### THE SULLAIR 900XH/1150XHDL

900 cfm at 500 psig—25.5 m<sup>3</sup>/min at 35 bar  
1150 cfm at 350 psig—32.6 m<sup>3</sup>/min at 24 bar

Available in **T3** **AF**



### THE SULLAIR 1150XH/1350XHDL

1150 cfm at 500 psig—32.6 m<sup>3</sup>/min at 35 bar  
1350 cfm at 350 psig—38.2 m<sup>3</sup>/min at 24 bar

Available in **T3** **AF**



### THE SULLAIR 1525XHDL

1525 cfm at 350 psig—43.2 m<sup>3</sup>/min at 24 bar

Available in **T3** **AF**

Available in **T3** \*Not all models may be available in your region. Contact your Sullair sales representative for more details.

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

### Quiet Operation

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

# Open Frame Family

## Rotary Screw Compressor

 See pg 57 for additional information on Aftercooled or Aftercooled & Filtered models available

Model	750XHH/900XHDL (T3)	900XHH/1150XHDL (T3)	1150XHH/1350XHDL (T3)	1525XHDL (T3)
<b>GENERAL</b>				
<b>Actual Delivery</b> - <i>cfm (m<sup>3</sup>/min)</i>	750/900 (21.2/25.5)	900/1150(25.5/32.6)	1150/1350 (32.6/38.2)	1525 (43.2)
<b>Rated Pressure</b> - <i>psig (bar)</i>	500/350 (34.5/24.1)	500/350 (34.5/24.1)	500/350 (34.5/24.1)	350 (24.1)
<b>Pressure Range, min</b> - <i>psig (bar)</i>	200 (2900)	200 (2900)	200 (2900)	200 (2900)
<b>Pressure Range, max</b> - <i>psig (bar)</i>	500 (34.5)	500 (34.5)	500 (34.5)	350 (24.1)
<b>ENGINE</b>				
<b>Make &amp; Model</b>	CAT C-15 ATAAC (T3)	CAT C-15 ATAAC (T3)	CAT C-18 ATAAC (T3)	CAT C-18ATAAC(T3)
<b>Operating Speed</b> - <i>rpm</i>	1800	1800	1800	1800
<b>Electrical System Voltage</b>	24	24	24	24
<b>Battery Rating</b> - <i>CCA</i>	1375	1375	1375	1375
<b>Available Power</b> - <i>bhp (kW)</i>	475 (354)	540 (403)	630 (470)	700 (522)
<b>Displacement</b> - <i>in<sup>3</sup> (cm<sup>3</sup>)</i>	928 (15207)	928 (15207)	1105 (18108)	1105 (18108)
<b>Cooling System Capacity</b> - <i>gal (l)</i>	13 (49.2)	13 (49.2)	13 (49.2)	13 (49.2)
<b>Engine Oil Capacity</b> - <i>qts (l)</i>	36 (34.1)	36 (34.1)	36 (34.1)	36 (34.1)
<b>Fuel Tank Capacity</b> - <i>gal (l)</i>	200 (757.1)	200 (757.1)	200 (757.1)	200 (757.1)
<b>Cylinders</b>	6	6	6	6
<b>COMPRESSOR</b>				
<b>Service Valves</b> - <i>No. &amp; (Size)</i>	1-2 (3")	1-2 (3")	1-2 (3")	1-2 (3")
<b>Compressor Oil Capacity</b> - <i>gal (l)</i>	47.85 (180)	47.85 (180)	47.85 (180)	47.85 (180)
<b>Receiver Tank Volume</b> - <i>ft<sup>3</sup> (m<sup>3</sup>)</i>	12.5 (0.354)	12.5 (0.354)	12.5 (0.354)	12.5 (0.354)
<b>DUQ PACKAGE</b>				
<b>Working Weight</b> - <i>lbs (kg)</i>	13050 (5919)	13050 (5919)	14670 (6654)	14940 (6777)
<b>Dry Weight</b> - <i>lbs (kg)</i>	TBD	TBD	TBD	TBD
<b>Length</b> - <i>in (mm)</i>	184 (4684)	184 (4684)	184 (4684)	185 (4699)
<b>Width</b> - <i>in (mm)</i>	84 (2121)	84 (2121)	84 (2121)	84 (2121)
<b>Height</b> - <i>in (mm)</i>	91 (2299)	91 (2299)	91 (2299)	89 (2271)
<b>PERFORMANCE</b>				
<b>Max. Operating Altitude</b> - <i>ft (m)</i>	8000/9500 (2440/2895)	8000/9500 (2440/2895)	8000/9500 (2440/2895)	8000/9500 (2440/2895)
<b>Fuel Consumption 100% Load</b> - <i>gph (l/h)</i>	21.6 (81.8)	27.8 (105.2)	30 (113.4)	32.1 (121.5)

# Rental Packages for your fleet

Model details & specifications inside



## THE SULLAIR TSR-20

380-970 cfm at 100-175 psig –  
10.8-27.5 m<sup>3</sup>/min at 7-12 bar



## THE SULLAIR TSR-32

784-1600 cfm at 100-175 psig –  
22-44.8 m<sup>3</sup>/min at 7-12 bar



## THE SULLAIR DR-13

428-785 cfm at 100-150 psig –  
12.2-21.9 m<sup>3</sup>/min at 8.5 bar



## THE SULLAIR RDHL CONSTRUCTION DRYERS

600-1600 scfm  
-40 pressure dew point

## 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 tandem air end with Sullair spiral valve.

### Rugged Package Design

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

**User Friendly** – Built-in disconnect switch, lockable tamper proof controls, easy access controls, heavy-duty quiet enclosure and druggable skid.

### TSR plus RDHL Dryer for Oil-Free Air. Sullair guarantees it.

System consists of an TSR-20 or TSR-32 and a RDHL 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 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 druggable 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

*\*Not all models may be available in your region. Contact your Sullair sales representative for more details.*

# Rental Packages

## for your fleet

### COMPRESSOR PERFORMANCE

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

### COMPRESSOR PERFORMANCE

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

### COMPRESSOR PERFORMANCE

DR-13 Model	100	125	150	200
Capacity -acfm (m <sup>3</sup> /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 (m <sup>3</sup> /min)	Flow @ 125 psig scfm (m <sup>3</sup> /min)	Flow @ 150 psig scfm (m <sup>3</sup> /min)	Flow @ 175 psig scfm (m <sup>3</sup> /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)



# Sullair Air Tools

Model details & specifications inside

## 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



## 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 for 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



## RIVET BUSTERS

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



## 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; or screw on universal ball retainer (oval collar only on MLC-10)



## ROCK DRILLS

- Throttle safety lever
- 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 on parts
- Swivel air inlet



## MRD-55 ROCK DRILL

- Rubber handle grips reduce vibration
- Adjustable throttle control allows for variable speed
- Reversible rotation pawls lengthen life
- Replaceable bushings
- Front exhaust and 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-9 ROCK DRILL

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



## 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.

# Sullair Air Tools

Model No.	Description	Bore & Stroke	BPM	cfm	Warranty
<b>PAVING BREAKERS – STANDARD “T” HANDLE</b>					
MPB-90A	92 lb 1-1/8" HX x 6" Chuck	2-7/16" x 5-9/32"	1380	62	B
MPB-90A	92 lb 1-1/4" HX x 6" Chuck	2-7/16" x 5-9/32"	1380	62	B
MPB-60A	69-1/2 lb 1-1/8" HX x 6" Chuck	2-5/32" x 5-5/32"	1360	48	B
MPB60A	69-1/2 lb 1-1/4" HX x 6" Chuck	2-5/32" x 5-5/32"	1360	48	B
MPB-35C	39 lb 1" HX x 4-1/4" Chuck	1-3/4" x 5-5/16"	1200	49	B
MPB-30A	35-1/2 lb 7/8" HX x 3-1/4" Chuck	12-5/32" x 32-5/32"	1850	37	B
MPB-30A	35-1/2 lb 1" HX x 4-1/4" Chuck	12-5/32" x 32-5/32"	1850	37	B

## PAVING BREAKERS – ANTI-VIBRATION OPTION WITH GUARD

MPB-90AF	99-1/2 lb 1-1/8" HX x 6" Chuck	2-7/16" x 5-9/32"	1380	62	B
MPB-90AF	99-1/2 lb 1-1/4" HX x 6" Chuck	2-7/16" x 5-9/32"	1380	62	B
MPB-60AF	77 lb 1-1/8" HX x 6" Chuck	2-5/32" x 5-5/32"	1360	48	B
MPB-60AF	77 lb 1-1/4" HX x 6" Chuck	2-5/32" x 5-5/32"	1360	48	B

## PAVING BREAKERS – SUPER SILENT OPTION

MPB-90AS	94 lb 1-1/8" HX x 6" Chuck	2-7/16" x 5-9/32"	1380	62	B
MPB-90AS	94 lb 1-1/4" HX x 6" Chuck	2-7/16" x 5-9/32"	1380	62	B
MPB-60AS	71-1/2 lb 1-1/8" HX x 6" Chuck	2-5/32" x 5-5/32"	1360	48	B
MPB-60AS	71-1/2 lb 1-1/4" HX x 6" Chuck	2-5/32" x 5-5/32"	1360	48	B

## PAVING BREAKERS – ANTI-VIBRATION – SILENT OPTION WITH GUARD

MPB-90AFS	101 lb 1-1/8" HX x 6" Chuck	2-7/16" x 5-9/32"	1380	62	B
MPB-90AFS	101 lb 1-1/4" HX x 6" Chuck	2-7/16" x 5-9/32"	1380	62	B
MPB-60AFS	78-1/2 lb 1-1/8" HX x 6" Chuck	2-5/32" x 5-5/32"	1360	48	B
MPB-60AFS	78-1/2 lb 1-1/4" HX x 6" Chuck	2-5/32" x 5-5/32"	1360	48	B

## CLAY DIGGERS AND DEMOLITION TOOLS

MCD-30A	33-3/4 lb "D" Handle 7/8" HX x 3-1/4" Chuck	12-5/32" x 3-25/32"	1850	37	B
MCD-30A	33-3/4 lb "D" Handle 1" HX x 4-1/4" Chuck	12-5/32" x 3-25/32"	1850	37	B
MDT-22	24.7 lb "D" Handle 7/8" HX x 3-1/4" Chuck	12-5/32" x 3-25/32"	1850	37	C
MDT-30	33 lb "D" Handle 1 1/2" Jumbo Shank	1.4" x 7.4"	1000	37	C

## BACKFILL TAMPERS

MBT-6	40-1/2 lb with 6" Diagonal Butt	1-1/2" x 5-1/2"	500	32	C
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## RIVET BUSTERS

MRB-11	33 lb 11 x Jumbo	1-3/16" x 11"	850	50	D
MRB-11-OH	32 lb 11 x Jumbo	1-3/16" x 11-5/16"	680	33	C
MRB-9-OH	31 lb 11 x Jumbo	1-3/16" x 8-5/16"	700	36	C
MRB-8	30 lb 11 x Jumbo	1-3/16" x 8"	1140	44	D
MRB-6	29 lb 11 x Jumbo	1-3/16" x 6"	900	35	C

## SCALERS

SANS	Needle Scaler (19)	1" x 1-1/8"	4600	7	D
SCWF	Weld Flux Scaler (19)	1" x 1-1/8"	4600	7	D

Model No.	Description	Bore & Stroke	BPM	cfm	Warranty
<b>ROCK DRILLS – DRY BLOW TYPE</b>					
MRD-60	60 lb 7/8" HX x 4-1/4" Chuck	2-5/8" x 2-3/5"	1800	91	D
MRD-60	60 lb 1" HX x 4-1/4" Chuck	2-5/8" x 2-3/5"	1800	91	D
MRD-55	56 lb 7/8" HX x 4-1/4" Chuck	2-5/8" x 21-1/16"	1650	95	D
MRD-55	56 lb 1" HX x 4-1/4" Chuck	2-5/8" x 21-1/16"	1650	95	D
MRD-50	48-1/2 lb 7/8" HX x 3-1/4" Chuck	3" x 2-5/8"	1800	123	C
MRD-50	48-1/2 lb 7/8" HX x 4-1/4" Chuck	3" x 2-5/8"	1800	123	C
MRD-50	48-1/2 lb 1" HX x 4-1/4" Chuck	3" x 2-5/8"	1800	123	C
MRD-40	45-1/2 lb 7/8" HX x 3-1/4" Chuck	21-1/16" x 2-3/8"	1800	82	C
MRD-40	45-1/2 lb 7/8" HX x 4-1/4" Chuck	21-1/16" x 2-3/8"	1800	82	C
MRD-40	45-1/2 lb 1" HX x 4-1/4" Chuck	21-1/16" x 2-3/8"	1800	82	C
MRD-30	34 lb 7/8" HX x 3-1/4" Chuck	2-9/32" x 1-3/4"	2300	55	C
MRD-30	34 lb 7/8" HX x 3-1/4" Chuck	2-9/32" x 1-3/4"	2300	55	C
MRD-12	12 lb 7/8" HX x 4-1/4" Chuck	1-1/2" x 1-7/32"	3200	28.5	C
MRD-9	9 lb. "D" Handle 9/16" Hex Chuck	11-1/32" x 1-3/8"	2800	21	C

## CHIPPING HAMMERS – 4 BOLT HANDLE – SOLID RETAINER FOR OVAL COLLAR STEEL (OPTIONAL RETAINERS AVAILABLE)

MCH-2	2" Stroke .680 Round Chuck	1-1/8" x 3"	3600	26	E
MCH-3	3" Stroke .680 Round Chuck	1-1/8" x 3-3/4"	2280	29	E
MCH-4	4" Stroke .680 Round Chuck	1-1/8" x 4-1/4"	1800	33	E
MCH-2	2" Stroke .580 Hex Chuck	1-1/8" x 3"	3600	26	E
MCH-3	3" Stroke .580 Hex Chuck	1-1/8" x 3-3/4"	2280	29	E
MCH-3S	3" Stroke .580 Hex Chuck	1-1/8" x 3-3/4"	2280	29	E
MCH-4	4" Stroke .580 Hex Chuck	1-1/8" x 4-1/4"	1800	33	E

## CHIPPING HAMMERS – LIGHT WEIGHT WITH SOLID RETAINER FOR OVAL COLLAR STEEL

MLC-10	12 lb with .680 Round Chuck	1-7/64" x 11-3/16"	2940	17	E
MLC-10	12 lb with .580 Hex Chuck	1-7/16" x 11-3/16"	2940	17	E

## CONCRETE VIBRATORS

MCV-300	5.3 lbs	13/16" 18K	Hertz	16	A
MCV-400	9.0 lbs	1-5/8" 17K	Hertz	17	A
MCV-580	18.0 lbs	2-1/4" 16K	Hertz	35	A
MCV-780	33.0 lbs	3-1/16" 13K	Hertz	51	A

## SPIKE DRIVERS

SSD-60	64 lbs	2.25" x 4.1"	1400	59	D
SSD-90	89 lbs	2.65" x 6.06"	1250	75	D

Warranty:

A = 6 Months

B = 2 Years

C = 1 Year

D = 90 Days

E = 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 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
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, various sizes of guns, types of drive mechanisms and the experience of different nozzle men, 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	
<b>Model</b>	<b>Number of Tools/Compressor</b>					
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.

Number of Tools	1	2	3	4	5	6	7	8
<b>Factor</b>	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 Conversion Factors

To Convert From	To	Multiply By
bar	lbs/sq in (psi)	14.5033
Kilopascal-kPa	lbs/sq in (psi)	0.1450
m <sup>3</sup> /min	cfm	35.3107
liter per minute- l/min	gallons per minute-gph	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 <sup>3</sup>	cubic inches-in <sup>3</sup>	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 @ 90 psig
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 demo 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 3	9 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

# SANDBLASTING

Sandblasting equipment manufacturers recommend air pressures of 90 to 100 psig be used to ensure 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
18"	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 Air Consumption (cfm) per Blast Nozzle

Nozzle Size	Nozzle Pressure						
	60 psi	70 psi	80 psi	90 psi	100 psi	120 psi	140 psi
18"	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

# FLUIDS

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 psi compressor).

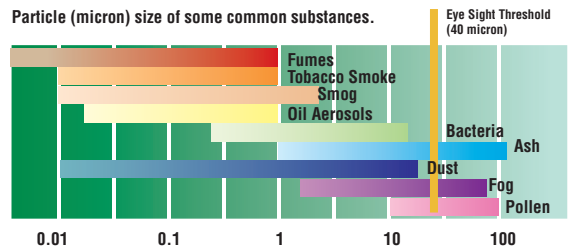
## HPL 1500 High Pressure Portable Compressor Fluid

Combines these features for more cost-effective productivity:

- Best-in-Class 1500-hour change interval
- Resists sludge and varnish
- Extends maintenance intervals
- Starts faster
- Runs cooler
- Advanced anti-wear and corrosion protection
- 350 psi and above

## AF Sullair's "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 0.01 ppm
- Filter warning and shutdown system prevents downstream contamination



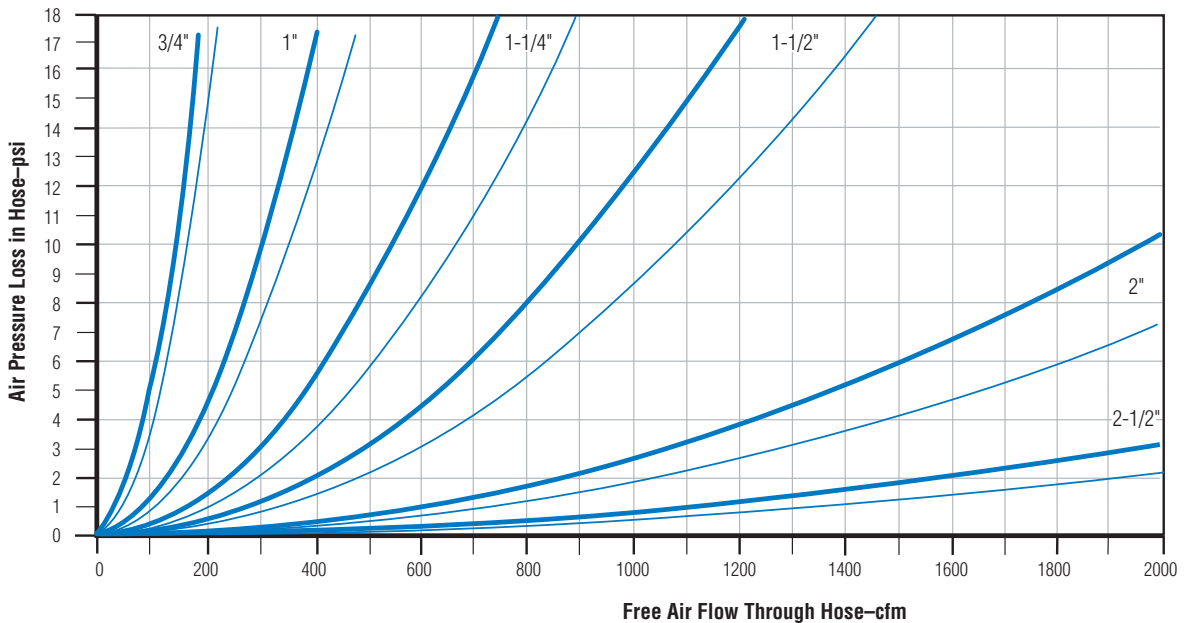
# Pressure Loss in Air Hoses

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 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? Which hose would be more efficient and yield lower fuel costs?

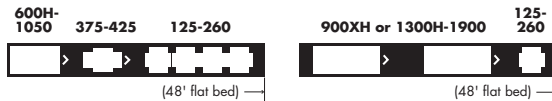
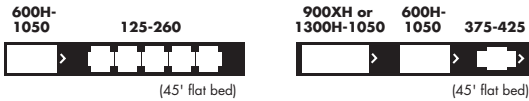
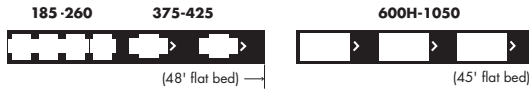
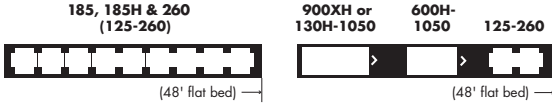
**Answer (part I):** From the chart at 1500 cfm, a 50' hose length of 2" hose will have approximately 6 psi pressure loss. 200' of hose is equivalent to four 50' lengths. Therefore, 4 x 6 psi equals 24 psi (approximate) pressure drop.

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

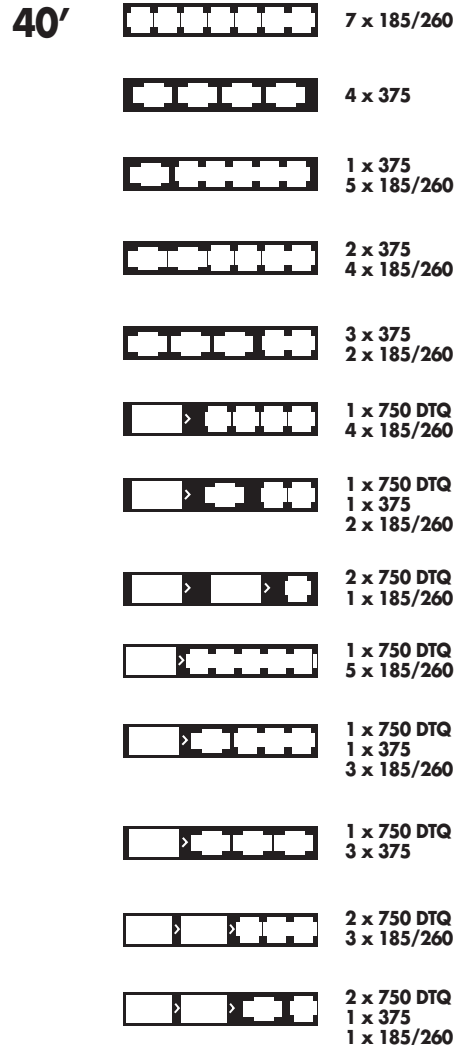
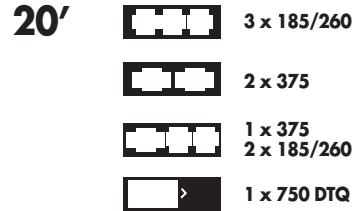
**Answer (part III):** Yes, the Sullair 1600H has sufficient capacity and pressure capability.

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

# Portable Compressor Truck Loading Combinations



# Portable Compressor Loading Combinations 20' & 40'



- 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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