



# 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

|   |               |
|---|---------------|
| Model   | 185 (iT4)     |
| GENERAL                                       |               |
| Actual Delivery - <i>cfm (m³/min)</i>         | 185 (5.2)     |
| Rated Pressure - <i>psig (bar)</i>            | 100 (7)       |
| Pressure Range, min - <i>psig (bar)</i>       | 80 (5.5)      |
| Pressure Range, max - <i>psig (bar)</i>       | 125 (8.6)     |
| ENGINE  |               |
| Make & Model                                  | CATC2.2 (iT4) |
| Operating Speed - <i>rpm</i>                  | 2800          |
| Available Power - <i>bhp (kW)</i>             | 60 (44.7)     |
| Displacement - <i>in³ (cm³)</i>               | 134 (2196)    |
| Cooling System Capacity - <i>gal (l)</i>      | 2.5 (9.5)     |
| Engine Oil Capacity - <i>qts (l)</i>          | 11.2 (10.6)   |
| Fuel Tank Capacity - <i>gal (l)</i>           | 20 (75.5)     |
| Electrical System Voltage                     | 12            |
| Battery Rating - <i>CCA</i>                   | 760           |
| COMPRESSOR                                    |               |
| Service Valves - <i>No. &amp; (Size)</i>      | 2 (3/4")      |
| Compressor Oil Capacity - <i>gal (l)</i>      | 3 (11.4)      |
| Receiver Tank Volume - <i>ft³ (m³)</i>        | 0.97 (0.03)   |
| DPQ PACKAGE                                   |               |
| Working Weight - <i>lbs (kg)</i>              | 2130 (966)    |
| Dry Weight - <i>lbs (kg)</i>                  | 1990 (903)    |
| Length - <i>in (mm)</i>                       | 130.8 (3322)  |
| Width - <i>in (mm)</i>                        | 59.2 (1504)   |
| Height - <i>in (mm)</i>                       | 53.9 (1369)   |
| Track Width - <i>in (mm)</i>                  | 50.9 (1294)   |
| Max Towing Speed - <i>mph (km/h)</i>          | 55 (89)       |
| Axle Rating - <i>lbs (kg)</i>                 | 3700 (1678)   |
| Tire Size                                     | ST175/80D13   |
| DLQ PACKAGE                                   |               |
| Working Weight - <i>lbs (kg)</i>              | 1885 (855)    |
| Dry Weight - <i>lbs (kg)</i>                  | 1745 (792)    |
| Length - <i>in (mm)</i>                       | 72.5 (1842)   |
| Width - <i>in (mm)</i>                        | 40.7 (1034)   |
| Height - <i>in (mm)</i>                       | 44.5 (1130)   |
| PERFORMANCE                                   |               |
| Fuel Consumption 100% Load - <i>gph (l/h)</i> | 3.4 (12.9)    |
| Max. Operating Altitude - <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)     |
|---|--------------|--------------|--------------|--------------|
| GENERAL                                       |              |              |              |              |
| Actual Delivery - <i>cfm (m³/min)</i>         | 225 (6.4)    | 225 (6.4)    | 260 (7.4)    | 260 (7.4)    |
| Rated Pressure - <i>psig (bar)</i>            | 150 (10)     | 150 (10)     | 100 (7)      | 100 (7)      |
| Pressure Range, min - <i>psig (bar)</i>       | 80 (5.5)     | 80 (5.5)     | 80 (5.5)     | 80 (5.5)     |
| Pressure Range, max - <i>psig (bar)</i>       | 150 (10)     | 150 (10)     | 125 (8.5)    | 125 (8.5)    |
| ENGINE  |              |              |              |              |
| Make & Model                                  | JD5030T (T2) | CA3.4 (T3)   | JD5030T (T2) | CA3.4 (T3)   |
| Cylinders                                     | 5            | 4            | 5            | 4            |
| Operating Speed - <i>rpm</i>                  | 2500         | 2500         | 2500         | 2500         |
| Available Power - <i>bhp (kW)</i>             | 82 (61)      | 83 (62)      | 82 (61)      | 83 (62)      |
| Displacement - <i>in³ (cm³)</i>               | 186 (3048)   | 201 (3294)   | 186 (3048)   | 201 (3294)   |
| Cooling System Capacity - <i>gal (l)</i>      | 4 (15.1)     | 4 (15.1)     | 4 (15.1)     | 4 (15.1)     |
| Engine Oil Capacity - <i>qts (l)</i>          | 11.8 (11.2)  | 9 (8.5)      | 11.8 (11.2)  | 9 (8.5)      |
| Fuel Tank Capacity - <i>gal (l)</i>           | 35 (132.5)   | 35 (132.5)   | 35 (132.5)   | 35 (132.5)   |
| Electrical System Voltage                     | 12           | 12           | 12           | 12           |
| Battery Rating - <i>CCA</i>                   | 760          | 760          | 760          | 760          |
| COMPRESSOR                                    |              |              |              |              |
| Service Valves - <i>No. &amp; (Size)</i>      | 2 (3/4")     | 2 (3/4")     | 2 (3/4")     | 2 (3/4")     |
| Compressor Oil Capacity - <i>gal (l)</i>      | 3 (11.4)     | 3 (11.4)     | 3 (11.4)     | 3 (11.4)     |
| Receiver Tank Volume - <i>ft³ (m³)</i>        | 1.43 (.04)   | 1.43 (.04)   | 1.43 (.04)   | 1.43 (.04)   |
| DPQ PACKAGE                                   |              |              |              |              |
| Working Weight - <i>lbs (kg)</i>              | 2720 (1234)  | 2640 (1197)  | 2840 (1288)  | 2760 (1252)  |
| Dry Weight - <i>lbs (kg)</i>                  | 2475 (1123)  | 2395 (1086)  | 2595 (1177)  | 2515 (1141)  |
| Length - <i>in (mm)</i>                       | 143.3 (3640) | 143.3 (3640) | 143.3 (3640) | 143.3 (3640) |
| Width - <i>in (mm)</i>                        | 65.4 (1661)  | 65.4 (1661)  | 65.4 (1661)  | 65.4 (1661)  |
| Height - <i>in (mm)</i>                       | 64.9 (1649)  | 64.9 (1649)  | 64.9 (1649)  | 64.9 (1649)  |
| Track Width - <i>in (mm)</i>                  | 55 (1397)    | 55 (1397)    | 55 (1397)    | 55 (1397)    |
| Max Towing Speed - <i>mph (km/h)</i>          | 55 (89)      | 55 (89)      | 55 (89)      | 55 (89)      |
| Axle Rating - <i>lbs (kg)</i>                 | 3500 (1588)  | 3500 (1588)  | 3500 (1588)  | 3500 (1588)  |
| Tire Size                                     | 205/75D15    | 205/75D15    | 205/75D15    | 205/75D15    |
| DLQ PACKAGE                                   |              |              |              |              |
| Working Weight - <i>lbs (kg)</i>              | 2465 (1118)  | 2385 (1082)  | 2385 (1173)  | 2505 (1136)  |
| Dry Weight - <i>lbs (kg)</i>                  | 2220 (1007)  | 2140 (971)   | 2340 (1061)  | 2260 (1025)  |
| Length - <i>in (mm)</i>                       | 95.6 (2428)  | 95.6 (2428)  | 95.6 (2428)  | 95.6 (2428)  |
| Width - <i>in (mm)</i>                        | 47.6 (1209)  | 47.6 (1209)  | 47.6 (1209)  | 47.6 (1209)  |
| Height - <i>in (mm)</i>                       | 54 (1372)    | 54 (1372)    | 54 (1372)    | 54 (1372)    |
| PERFORMANCE                                   |              |              |              |              |
| Fuel Consumption 100% Load - <i>gph (l/h)</i> | 4.2 (15.5)   | 3.67 (13.9)  | 4.1 (15.5)   | 3.67 (13.9)  |
| Max. Operating Altitude - <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 m³/min at 14 bar

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



### THE SULLAIR 375

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

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



### THE SULLAIR 375H

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

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

#### Multi-Piece Canopy

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

#### 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
- Simplified routine maintenance, reducing downtime and service cost
- Service doors feature non-rusting hinges and stainless steel T-type door retainers

#### Highway Towable Running Gear

- 3" x 5" square drawbar
- 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)

#### Cooling System:

- Cold box design

#### 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

#### Full Fluid Containment

##### 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

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

**T2** **T3**

Available in

## 375 Family

### Rotary Screw Compressor

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

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# 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

Model details & specifications inside  
Available in T2 T3 \*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
- Simplified routine maintenance, reducing downtime and service cost
- Service doors feature non-rusting hinges and stainless steel T-type door retainers

## Highway Towable Running Gear

- 3" x 5" square drawbar
- 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)

## Cooling System:

- Cold box design

## 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

## Full Fluid Containment

### 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

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

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# 600 Single Axle Family

## Rotary Screw Compressor



### THE SULLAIR 550RH

550 cfm at 250 psig—15.6 m³/min at 17 bar

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



### THE SULLAIR 600HH

600 cfm at 200 psig—  
16.8 m³/min at 14 bar

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



### THE SULLAIR 700HH

700 cfm at 175 psig—  
19.8 m³/min at 12 bar

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



### THE SULLAIR 750H

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

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

Model details & specifications inside

#### 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

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

## Rotary Screw Compressor

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

| Model                                     | 550RH (T2)    | 550RH (T3)    | 600HH (T2)    | 600HH (T3)    | 700HH (T2)    | 700HH (T3)    | 750H (T2)     | 750H (T3)     |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| GENERAL                                   |               |               |               |               |               |               |               |               |
| Actual Delivery - cfm (m³/min)            | 550 (15.6)    | 550 (15.6)    | 600 (17)      | 600 (17)      | 700 (19.8)    | 700 (19.8)    | 750 (21.2)    | 750 (21.2)    |
| Rated Pressure - psig (bar)               | 250 (17.2)    | 250 (17.2)    | 200 (13.8)    | 200 (13.8)    | 175 (12.1)    | 175 (12.1)    | 150 (10.3)    | 150 (10.3)    |
| Pressure Range, min - psig (bar)          | 80 (5.5)      | 80 (5.5)      | 80 (5.5)      | 80 (5.5)      | 80 (5.5)      | 80 (5.5)      | 80 (5.5)      | 80 (5.5)      |
| Pressure Range, max - psig (bar)          | 250 (17.2)    | 250 (17.2)    | 200 (13.8)    | 200 (13.8)    | 175 (12.1)    | 175 (12.1)    | 150 (10.3)    | 150 (10.3)    |
|   |               |               |               |               |               |               |               |               |
| ENGINE                                    |               |               |               |               |               |               |               |               |
| Make & Model                              | JD6068 (T2)   | CAT C7 (T3)   | JD6068 (T2)   | CAT C7 (T3)   | JD6068 (T2)   | CAT C7 (T3)   | JD6068 (T2)   | CAT C7 (T3)   |
| Cylinders                                 | 6             | 6             | 6             | 6             | 6             | 6             | 6             | 6             |
| Operating Speed - rpm                     | 2225          | 1800          | 2225          | 1800          | 2260          | 1825          | 2280          | 1780          |
| Available Power - bhp (kW)                | 275 (205)     | 275 (205)     | 275 (205)     | 275 (205)     | 275 (205)     | 275 (205)     | 275 (205)     | 275 (205)     |
| Displacement - in³ (cm³)                  | 415 (6801)    | 442 (7243)    | 415 (6801)    | 442 (7243)    | 415 (6801)    | 442 (7243)    | 415 (6801)    | 442 (7243)    |
| Cooling System Capacity - gal (l)         | 8.6 (32.6)    | 8.6 (32.6)    | 8.6 (32.6)    | 8.6 (32.6)    | 8.6 (32.6)    | 8.6 (32.6)    | 8.6 (32.6)    | 8.6 (32.6)    |
| Engine Oil Capacity - qts (l)             | 34.4 (32.6)   | 29.6 (28)     | 34.4 (32.6)   | 29.6 (28)     | 34.4 (32.6)   | 29.6 (28)     | 34.4 (32.6)   | 29.6 (28)     |
| Fuel Tank Capacity - gal (l)              | 112 (424)     | 112 (424)     | 112 (424)     | 112 (424)     | 112 (424)     | 112 (424)     | 112 (424)     | 112 (424)     |
| Electrical System Voltage                 | 12            | 12            | 12            | 12            | 12            | 12            | 12            | 12            |
| Battery Rating - CCA                      | 1000          | 1000          | 1000          | 1000          | 1000          | 1000          | 1100          | 1100          |
|   |               |               |               |               |               |               |               |               |
| COMPRESSOR                                |               |               |               |               |               |               |               |               |
| Service Valves - No. & (Size)             | 1 (2")        | 1 (2")        | 1 (2")        | 1 (2")        | 1 (2")        | 1 (2")        | 1 (2")        | 1 (2")        |
| Service Valves - No. & (Size)             | 3 (3/4")      | 3 (3/4")      | 3 (3/4")      | 3 (3/4")      | 3 (3/4")      | 3 (3/4")      | 3 (3/4")      | 3 (3/4")      |
| Compressor Oil Capacity - gal (l)         | 13.2 (50)     | 13.2 (50)     | 13.2 (50)     | 13.2 (50)     | 13.2 (50)     | 13.2 (50)     | 13.2 (50)     | 13.2 (50)     |
| Receiver Tank Volume - ft³ (m³)           | 5.5 (.16)     | 5.5 (.16)     | 5.5 (.16)     | 5.5 (.16)     | 5.5 (.16)     | 5.5 (.16)     | 5.5 (.16)     | 5.5 (.16)     |
|   |               |               |               |               |               |               |               |               |
| DPQ PACKAGE                               |               |               |               |               |               |               |               |               |
| Working Weight - lbs (kg)                 | 7300 (3311)   | 7300 (3311)   | 7300 (3311)   | 7300 (3311)   | 7300 (3311)   | 7300 (3311)   | 7300 (3311)   | 7300 (3311)   |
| Dry Weight - lbs (kg)                     | 6500 (2948)   | 6500 (2948)   | 6500 (2948)   | 6500 (2948)   | 6500 (2948)   | 6500 (2948)   | 6500 (2948)   | 6500 (2948)   |
| Length - in (mm)                          | 178.8 (4540)  | 178.8 (4540)  | 178.8 (4540)  | 178.8 (4540)  | 178.8 (4540)  | 178.8 (4540)  | 178.8 (4540)  | 178.8 (4540)  |
| Width - in (mm)                           | 90.1 (2289)   | 90.1 (2289)   | 90.1 (2289)   | 90.1 (2289)   | 90.1 (2289)   | 90.1 (2289)   | 90.1 (2289)   | 90.1 (2289)   |
| Height - in (mm)                          | 86.1 (2186)   | 86.1 (2186)   | 86.1 (2186)   | 86.1 (2186)   | 86.1 (2186)   | 86.1 (2186)   | 86.1 (2186)   | 86.1 (2186)   |
| Track Width - in (mm)                     | 76.9 (1952)   | 76.9 (1952)   | 76.9 (1952)   | 76.9 (1952)   | 76.9 (1952)   | 76.9 (1952)   | 76.9 (1952)   | 76.9 (1952)   |
| Max Towing Speed - mph (km/h)             | 55 (89)       | 55 (89)       | 55 (89)       | 55 (89)       | 55 (89)       | 55 (89)       | 55 (89)       | 55 (89)       |
| Axle Rating - lbs (kg)                    | 8000 (3629)   | 8000 (3629)   | 8000 (3629)   | 8000 (3629)   | 8000 (3629)   | 8000 (3629)   | 8000 (3629)   | 8000 (3629)   |
| Tire Size                                 | 215/75 R17.5H | 215/75 R17.5H | 215/75 R17.5H | 215/75 R17.5H | 215/75 R17.5H | 215/75 R17.5H | 215/75 R17.5H | 215/75 R17.5H |
|   |               |               |               |               |               |               |               |               |
| DLQ PACKAGE                               |               |               |               |               |               |               |               |               |
| Working Weight - lbs (kg)                 | 6558 (2975)   | 6558 (2975)   | 6558 (2975)   | 6558 (2975)   | 6558 (2975)   | 6558 (2975)   | 6558 (2975)   | 6558 (2975)   |
| Dry Weight - lbs (kg)                     | 5758 (2611)   | 5758 (2611)   | 5758 (2611)   | 5758 (2611)   | 5758 (2611)   | 5758 (2611)   | 5758 (2611)   | 5758 (2611)   |
| Length - in (mm)                          | 135.4 (3439)  | 135.4 (3439)  | 135.4 (3439)  | 135.4 (3439)  | 135.4 (3439)  | 135.4 (3439)  | 135.4 (3439)  | 135.4 (3439)  |
| Width - in (mm)                           | 65.8 (1672)   | 65.8 (1672)   | 65.8 (1672)   | 65.8 (1672)   | 65.8 (1672)   | 65.8 (1672)   | 65.8 (1672)   | 65.8 (1672)   |
| Height - in (mm)                          | 74.8 (1900)   | 74.8 (1900)   | 74.8 (1900)   | 74.8 (1900)   | 74.8 (1900)   | 74.8 (1900)   | 74.8 (1900)   | 74.8 (1900)   |
|   |               |               |               |               |               |               |               |               |
| PERFORMANCE                               |               |               |               |               |               |               |               |               |
| Fuel Consumption<br>100% Load - gph (l/h) | 13.5 (51.1)   | 14.1 (53.4)   | 13.5 (51.1)   | 14.1 (53.4)   | 13.5 (51.1)   | 14.1 (53.4)   | 13.5 (51.1)   | 14.1 (53.4)   |
| Max. Operating Altitude - ft (m)          | 10000 (3048)  | 10000 (3048)  | 10000 (3048)  | 10000 (3048)  | 10000 (3048)  | 10000 (3048)  | 10000 (3048)  | 10000 (3048)  |

# 900 T3 Family

## Rotary Screw Compressor



### THE SULLAIR 600H

600 cfm at 150 psig– 17 m³/min at 10 bar

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



### THE SULLAIR 750

750 cfm at 125 psig–  
21.2 m³/min at 9 bar

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



### THE SULLAIR 750H

750 cfm at 150 psig–  
21.2 m³/min AT 10 bar

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



### THE SULLAIR 750HH

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

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



### THE SULLAIR 825

825 cfm at 125 psig–  
23.4 m³/min at 8.5 bar

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



### THE SULLAIR 900

900 cfm at 100 psig–  
25.5 m³/min at 7 bar

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



### THE SULLAIR 900H

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

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



### THE SULLAIR 1050

1050 cfm at 100 psig–  
29.7 m³/min at 7 bar

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

Model details & specifications inside

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

**T3**

Available in

### 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

### Cooling System:

- Cold box design

### 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

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

★ Model available with optional 350 hp engine for high altitude operation up to 15,500 FASL/4724 MASL

[illegible]

# 1600 T3 Family

## Rotary Screw Compressor



### THE SULLAIR 1300H

1300 cfm at 150 psig–36.8 m³/min at 10 bar

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



### THE SULLAIR 1300HH

1300 cfm at 200 psig–  
36.8 m³/min at 14 bar

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



### THE SULLAIR 1450HH

1450 cfm at 175 psig–  
41.1 m³/min at 12 bar

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



### THE SULLAIR 1600

1600 cfm at 100 psig–  
45.3 m³/min at 7 bar

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



### THE SULLAIR 1600H

1600 cfm at 150 psig–  
45.3 m³/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

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

| Model   | 1300H (T3)        | 1300HH (T3)       | 1450HH (T3)       | 1600 (T3)         | 1600H (T3)        |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| GENERAL                                       |                   |                   |                   |                   |                   |
| Actual Delivery - <i>cfm (m³/min)</i>         | 1300 (36.8)       | 1300 (36.8)       | 1450 (41.1)       | 1600 (45.3)       | 1600 (45.3)       |
| Rated Pressure - <i>psig (bar)</i>            | 150 (10.3)        | 200 (13.8)        | 175 (12.1)        | 100 (6.9)         | 150 (10.3)        |
| Pressure Range, min - <i>psig (bar)</i>       | 80 (5.5)          | 80 (5.5)          | 80 (5.5)          | 80 (5.5)          | 80 (5.5)          |
| Pressure Range, max - <i>psig (bar)</i>       | 150 (10.3)        | 200 (13.8)        | 175 (12.1)        | 100 (6.9)         | 150 (10.3)        |
|   |                   |                   |                   |                   |                   |
| ENGINE  |                   |                   |                   |                   |                   |
| Make & Model                                  | CATC-15ATAAC (T3) | CATC-15ATAAC (T3) | CATC-15ATAAC (T3) | CATC-15ATAAC (T3) | CATC-15ATAAC (T3) |
| Cylinders                                     | 6                 | 6                 | 6                 | 6                 | 6                 |
| Operating Speed - <i>rpm</i>                  | 1800              | 1800              | 1800              | 1800              | 1800              |
| Available Power - <i>bhp (kW)</i>             | 475 (354)         | 540 (403)         | 540 (403)         | 540 (403)         | 540 (403)         |
| Displacement - <i>in³ (cm³)</i>               | 928 (15207)       | 928 (15207)       | 928 (15207)       | 928 (15207)       | 928 (15207)       |
| Cooling System Capacity - <i>gal (l)</i>      | 32 (121)          | 32 (121)          | 32 (121)          | 32 (121)          | 32 (121)          |
| Engine Oil Capacity - <i>qts (l)</i>          | 36 (34)           | 36 (34)           | 36 (34)           | 36 (34)           | 36 (34)           |
| Fuel Tank Capacity - <i>gal (l)</i>           | 190 (719)         | 190 (719)         | 190 (719)         | 190 (719)         | 190 (719)         |
| Electrical System Voltage                     | 24                | 24                | 24                | 24                | 24                |
| Battery Rating - <i>CCA</i>                   | 1375              | 1375              | 1375              | 1375              | 1375              |
|   |                   |                   |                   |                   |                   |
| COMPRESSOR                                    |                   |                   |                   |                   |                   |
| Service Valves - <i>No. &amp; (Size)</i>      | 1 (3" NPT)        | 1 (3" NPT)        | 1 (3" NPT)        | 1 (3" NPT)        | 1 (3" NPT)        |
| Compressor Oil Capacity - <i>gal (l)</i>      | 58 (220)          | 58 (220)          | 58 (220)          | 58 (220)          | 58 (220)          |
| Receiver Tank Volume - <i>ft³ (m³)</i>        | 23 (.65)          | 23 (.65)          | 23 (.65)          | 23 (.65)          | 23 (.65)          |
|   |                   |                   |                   |                   |                   |
| DTQ PACKAGE - TRI-AXLE                        |                   |                   |                   |                   |                   |
| Working Weight - <i>lbs (kg)</i>              | 16670 (7561)      | 16670 (7561)      | 16670 (7561)      | 16670 (7561)      | 16670 (7561)      |
| Dry Weight - <i>lbs (kg)</i>                  | 15020 (6813)      | 15020 (6813)      | 15020 (6813)      | 15020 (6813)      | 15020 (6813)      |
| Length - <i>in (mm)</i>                       | 231 (5867)        | 231 (5867)        | 231 (5867)        | 231 (5867)        | 231 (5867)        |
| Width - <i>in (mm)</i>                        | 88 (2235)         | 88 (2235)         | 88 (2235)         | 88 (2235)         | 88 (2235)         |
| Height - <i>in (mm)</i>                       | 93 (2362)         | 93 (2362)         | 93 (2362)         | 93 (2362)         | 93 (2362)         |
| Track Width - <i>in (mm)</i>                  | 81 (2050)         | 81 (2050)         | 81 (2050)         | 81 (2050)         | 81 (2050)         |
| Max Towing Speed - <i>mph (km/h)</i>          | 55 (89)           | 55 (89)           | 55 (89)           | 55 (89)           | 55 (89)           |
| Axle Rating - <i>lbs (kg)</i>                 | 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     |
|   |                   |                   |                   |                   |                   |
| DWQ PACKAGE - 4 WHEEL                         |                   |                   |                   |                   |                   |
| Working Weight - <i>lbs (kg)</i>              | 16040 (7276)      | 16040 (7276)      | 16040 (7276)      | 16040 (7276)      | 16040 (7276)      |
| Dry Weight - <i>lbs (kg)</i>                  | 15010 (6808)      | 15010 (6808)      | 15010 (6808)      | 15010 (6808)      | 15010 (6808)      |
| Length - <i>in (mm)</i>                       | 234 (5944)        | 234 (5944)        | 234 (5944)        | 234 (5944)        | 234 (5944)        |
| Width - <i>in (mm)</i>                        | 88 (2235)         | 88 (2235)         | 88 (2235)         | 88 (2235)         | 88 (2235)         |
| Height - <i>in (mm)</i>                       | 98 (2489)         | 98 (2489)         | 98 (2489)         | 98 (2489)         | 98 (2489)         |
| Track Width - <i>in (mm)</i>                  | 78 (1981)         | 78 (1981)         | 78 (1981)         | 78 (1981)         | 78 (1981)         |
| Axle Rating - <i>lbs (kg)</i>                 | 12000 (5443)      | 12000 (5443)      | 12000 (5443)      | 12000 (5443)      | 12000 (5443)      |
| Tire Size                                     | 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 |
|   |                   |                   |                   |                   |                   |
| DLQ PACKAGE                                   |                   |                   |                   |                   |                   |
| Working Weight - <i>lbs (kg)</i>              | 15250 (6917)      | 15250 (6917)      | 15250 (6917)      | 15250 (6917)      | 15250 (6917)      |
| Dry Weight - <i>lbs (kg)</i>                  | 13920 (6314)      | 13920 (6314)      | 13920 (6314)      | 13920 (6314)      | 13920 (6314)      |
| Length - <i>in (mm)</i>                       | 189 (4801)        | 189 (4801)        | 189 (4801)        | 189 (4801)        | 189 (4801)        |
| Width - <i>in (mm)</i>                        | 88 (2235)         | 88 (2235)         | 88 (2235)         | 88 (2235)         | 88 (2235)         |
| Height - <i>in (mm)</i>                       | 83 (2108)         | 83 (2108)         | 83 (2108)         | 83 (2108)         | 83 (2108)         |
|   |                   |                   |                   |                   |                   |
| PERFORMANCE                                   |                   |                   |                   |                   |                   |
| Fuel Consumption 100% Load - <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)       |
| Max. Operating Altitude - <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 

\*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 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

# Electric Portable

## Rotary Screw Compressor

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

| Model                             | E900H         | E900H         |
|-----------------------------------|---------------|---------------|
| GENERAL                           |               |               |
| Actual Delivery - cfm (m³/min)    | 900 (25.5)    | 425 (12)      |
| Rated Pressure - psig (bar)       | 150 (10.3)    | 238 (6.74)    |
| Pressure Range, min - psig (bar)  | 80 (5.5)      | 80 (5.5)      |
| Pressure Range, max - psig (bar)  | 150 (10.3)    | 238 (6.74)    |
| MOTOR                             |               |               |
| Make & Model                      | Hebei         | Hebei         |
| Operating Speed - rpm             | 1775          | 1480          |
| Available Power - bhp (kW)        | 214 (160)     | 214 (160)     |
| Electrical System Voltage         | 460/3/60      | 380/3/50      |
| COMPRESSOR                        |               |               |
| Service Valves - No. & (Size)     | 2 (1")        | 2 (1")        |
| Compressor Oil Capacity - gal (l) | 29 (109.8)    | 29 (109.8)    |
| Receiver Tank Volume - ft³ (m³)   | 7.4 (.2)      | 7.4 (.2)      |
| ETQ PACKAGE - TANDEM AXLE         |               |               |
| Working Weight - lbs (kg)         | 11780 (5343)  | 11780 (5343)  |
| Length - in (mm)                  | 194 (4928)    | 194 (4928)    |
| Width - in (mm)                   | 83 (2108)     | 83 (2108)     |
| Height - in (mm)                  | 94 (2388)     | 94 (2388)     |
| Track Width - in (mm)             | 67 (1702)     | 67 (1702)     |
| Max Towing Speed - mph (km/h)     | 55 (89)       | 55 (89)       |
| Axle Rating - lbs (kg)            | 8000 (3629)   | 8000 (3629)   |
| Tire Size                         | ST 235/80 R16 | ST 235/80 R16 |
| ELQ PACKAGE                       |               |               |
| Working Weight - lbs (kg)         | 10030 (4550)  | 10030 (4550)  |
| Length - in (mm)                  | 144 (3658)    | 144 (3658)    |
| Width - in (mm)                   | 79 (2007)     | 79 (2007)     |
| Height - in (mm)                  | 67 (1702)     | 67 (1702)     |

# 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**

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

Available in **T3**

### 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>                                       |                     |                      |
| <b>Actual Delivery</b> - <i>cfm (m³/min)</i>         | 750/900 (21.2/25.5) | 900/1150 (25.5/32.6) |
| <b>Rated Pressure</b> - <i>psig (bar)</i>            | 500/350 (34.5/24.1) | 500/350 (34.5/24.1)  |
| <b>Pressure Range, min</b> - <i>psig (bar)</i>       | 200 (13.8)          | 200 (13.8)           |
| <b>Pressure Range, max</b> - <i>psig (bar)</i>       | 500 (34.5)          | 500 (34.5)           |
| <b>ENGINE</b>  |                     |                      |
| <b>Make &amp; Model</b>                              | CAT C-15ATAAC (T3)  | CAT C-15ATAAC (T3)   |
| <b>Operating Speed</b> - <i>rpm</i>                  | 1800                | 1800                 |
| <b>Available Power</b> - <i>bhp (kW)</i>             | 475 (354)           | 540 (403)            |
| <b>Displacement</b> - <i>in³ (cm³)</i>               | 928 (15207)         | 928 (15207)          |
| <b>Cooling System Capacity</b> - <i>gal (l)</i>      | 32 (121)            | 32 (121)             |
| <b>Engine Oil Capacity</b> - <i>qts (l)</i>          | 36 (34)             | 36 (34)              |
| <b>Fuel Tank Capacity</b> - <i>gal (l)</i>           | 190 (719)           | 190 (719)            |
| <b>Electrical System Voltage</b>                     | 24                  | 24                   |
| <b>Battery Rating</b> - <i>CCA</i>                   | 1375                | 1375                 |
| <b>COMPRESSOR</b>                                    |                     |                      |
| <b>Service Valves</b> - <i>No. &amp; [Size]</i>      | 1 (2")              | 1 (2")               |
| <b>Compressor Oil Capacity</b> - <i>gal (l)</i>      | 58 (220)            | 58 (220)             |
| <b>Receiver Tank Volume</b> - <i>ft³ (m³)</i>        | 13 (.37)            | 13 (.37)             |
| <b>DTQ PACKAGE - TRI-AXLE</b>                        |                     |                      |
| <b>Working Weight</b> - <i>lbs (kg)</i>              | 16040 (7276)        | 16040 (7276)         |
| <b>Dry Weight</b> - <i>lbs (kg)</i>                  | 14710 (6672)        | 14710 (6672)         |
| <b>Length</b> - <i>in (mm)</i>                       | 231 (5867)          | 231 (5867)           |
| <b>Width</b> - <i>in (mm)</i>                        | 88 (2235)           | 88 (2235)            |
| <b>Height</b> - <i>in (mm)</i>                       | 93 (2362)           | 93 (2362)            |
| <b>Track Width</b> - <i>in (mm)</i>                  | 81 (2050)           | 81 (2050)            |
| <b>Max Towing Speed</b> - <i>mph (km/h)</i>          | 55 (89)             | 55 (89)              |
| <b>Axle Rating</b> - <i>lbs (kg)</i>                 | 6000 (2722)         | 6000 (2722)          |
| <b>Tire Size</b>                                     | ST235/80R16 E       | ST235/80R16 E        |
| <b>DWQ PACKAGE - 4 WHEEL</b>                         |                     |                      |
| <b>Working Weight</b> - <i>lbs (kg)</i>              | 15630 (7090)        | 15710 (7126)         |
| <b>Dry Weight</b> - <i>lbs (kg)</i>                  | 14300 (6486)        | 14380 (6523)         |
| <b>Length</b> - <i>in (mm)</i>                       | 244 (6198)          | 244 (6198)           |
| <b>Width</b> - <i>in (mm)</i>                        | 88 (2235)           | 88 (2235)            |
| <b>Height</b> - <i>in (mm)</i>                       | 98 (2489)           | 98 (2489)            |
| <b>Track Width</b> - <i>in (mm)</i>                  | 78 (1981)           | 78 (1981)            |
| <b>Axle Rating</b> - <i>lbs (kg)</i>                 | 12000 (5443)        | 12000 (5443)         |
| <b>Tire Size</b>                                     | 8.25R15R G w/tube   | 8.25R15R G w/tube    |
| <b>DLQ PACKAGE</b>                                   |                     |                      |
| <b>Working Weight</b> - <i>lbs (kg)</i>              | 14850 (6736)        | 14940 (6777)         |
| <b>Dry Weight</b> - <i>lbs (kg)</i>                  | 13520 (6133)        | 13610 (6173)         |
| <b>Length</b> - <i>in (mm)</i>                       | 189 (4801)          | 189 (4801)           |
| <b>Width</b> - <i>in (mm)</i>                        | 88 (2235)           | 88 (2235)            |
| <b>Height</b> - <i>in (mm)</i>                       | 83 (2108)           | 83 (2108)            |
| <b>PERFORMANCE</b>                                   |                     |                      |
| <b>Fuel Consumption 100% Load</b> - <i>gph (l/h)</i> | 21.6 (81.8)         | 27.8 (105.2)         |
| <b>Max. Operating Altitude</b> - <i>ft (m)</i>       | 11000 (3353)        | 12400 (3780)         |

# Open Frame Family

## Rotary Screw Compressor



### THE SULLAIR 750XHH/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

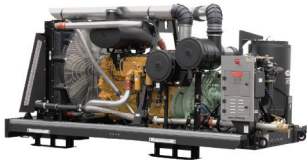
Available in **T3** **AF**



### THE SULLAIR 900XHH/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 1150XHH/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**

Model details & specifications inside

#### 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

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

**T3**

Available in

# Open Frame Family

## Rotary Screw Compressor

**AP** 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)         |
|---|-----------------------|-----------------------|-----------------------|-----------------------|
| GENERAL                                       |                       |                       |                       |                       |
| Actual Delivery - <i>cfm (m³/min)</i>         | 750/900 (21.2/25.5)   | 900/1150 (25.5/32.6)  | 1150/1350 (32.6/38.2) | 1525 (43.2)           |
| Rated Pressure - <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)            |
| Pressure Range, min - <i>psig (bar)</i>       | 200 (2900)            | 200 (2900)            | 200 (2900)            | 200 (2900)            |
| Pressure Range, max - <i>psig (bar)</i>       | 500 (34.5)            | 500 (34.5)            | 500 (34.5)            | 350 (24.1)            |
|   |                       |                       |                       |                       |
| ENGINE  |                       |                       |                       |                       |
| Make & Model                                  | CAT C-15 ATAAC (T3)   | CAT C-15 ATAAC (T3)   | CAT C-18 ATAAC (T3)   | CAT C-18ATAAC(T3)     |
| Operating Speed - <i>rpm</i>                  | 1800                  | 1800                  | 1800                  | 1800                  |
| Electrical System Voltage                     | 24                    | 24                    | 24                    | 24                    |
| Battery Rating - <i>CCA</i>                   | 1375                  | 1375                  | 1375                  | 1375                  |
| Available Power - <i>bhp (kW)</i>             | 475 (354)             | 540 (403)             | 630 (470)             | 700 (522)             |
| Displacement - <i>in³ (cm³)</i>               | 928 (15207)           | 928 (15207)           | 1105 (18108)          | 1105 (18108)          |
| Cooling System Capacity - <i>gal (l)</i>      | 13 (49.2)             | 13 (49.2)             | 13 (49.2)             | 13 (49.2)             |
| Engine Oil Capacity - <i>qts (l)</i>          | 36 (34.1)             | 36 (34.1)             | 36 (34.1)             | 36 (34.1)             |
| Fuel Tank Capacity - <i>gal (l)</i>           | 200 (757.1)           | 200 (757.1)           | 200 (757.1)           | 200 (757.1)           |
| Cylinders                                     | 6                     | 6                     | 6                     | 6                     |
|   |                       |                       |                       |                       |
| COMPRESSOR                                    |                       |                       |                       |                       |
| Service Valves - <i>No. &amp; (Size)</i>      | 1-2 (3")              | 1-2 (3")              | 1-2 (3")              | 1-2 (3")              |
| Compressor Oil Capacity - <i>gal (l)</i>      | 47.85 (180)           | 47.85 (180)           | 47.85 (180)           | 47.85 (180)           |
| Receiver Tank Volume - <i>ft³ (m³)</i>        | 12.5 (0.354)          | 12.5 (0.354)          | 12.5 (0.354)          | 12.5 (0.354)          |
|   |                       |                       |                       |                       |
| DUQ PACKAGE                                   |                       |                       |                       |                       |
| Working Weight - <i>lbs (kg)</i>              | 13050 (5919)          | 13050 (5919)          | 14670 (6654)          | 14940 (6777)          |
| Dry Weight - <i>lbs (kg)</i>                  | TBD                   | TBD                   | TBD                   | TBD                   |
| Length - <i>in (mm)</i>                       | 184 (4684)            | 184 (4684)            | 184 (4684)            | 185 (4699)            |
| Width - <i>in (mm)</i>                        | 84 (2121)             | 84 (2121)             | 84 (2121)             | 84 (2121)             |
| Height - <i>in (mm)</i>                       | 91 (2299)             | 91 (2299)             | 91 (2299)             | 89 (2271)             |
|   |                       |                       |                       |                       |
| PERFORMANCE                                   |                       |                       |                       |                       |
| Max. Operating Altitude - <i>ft (m)</i>       | 8000/9500 (2440/2895) | 8000/9500 (2440/2895) | 8000/9500 (2440/2895) | 8000/9500 (2440/2895) |
| Fuel Consumption 100% Load - <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 draggable 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 draggable skid suited for the rental industry
- Pre- and after-filters with DP gauges to assure instrument quality air
- Timer drain on pre-filter
- NEMA 4 electrics enclosure
- Available as 24v DC or 115v AC
- Options include Cold Weather Package, pneumatic controls, pneumatic motor, aftercooler with moisture separator and demand cycle control

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

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

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

| RDHL DRYER SPECIFICATIONS |                                     |                                     |                                     |                                     |                        |                                      |                   |                  |                   |
|---------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------|--------------------------------------|-------------------|------------------|-------------------|
| Model                     | Flow @ 100<br>psig<br>scfm (m³/min) | Flow @ 125<br>psig<br>scfm (m³/min) | Flow @ 150<br>psig<br>scfm (m³/min) | Flow @ 175<br>psig<br>scfm (m³/min) | Inlet & Outlet<br>Size | Weight with<br>Desiccant<br>lbs (kg) | Length in<br>(mm) | Width in<br>(mm) | Height in<br>(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 |
|---------------------------------------|----------------------------------|---------------------|------|-----|----------|
| PAVING BREAKERS – STANDARD “T” HANDLE |                                  |                     |      |     |          |
| 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 |
|-------|---------------------------------|-----------------|-----|----|---|

## 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 |
|-----------------------------|----------------------------------|-------------------|------|------|----------|
| ROCK DRILLS – DRY BLOW TYPE |                                  |                   |      |      |          |
| 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<br>Feet | Compression<br>Ratio | Correction<br>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 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.

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

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

### Metric 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            |

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

# ABRASIVE BLASTING

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

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

## Abrasive Nozzle Air Consumption

Approximate Air Consumption (cfm) per Blast Nozzle

| Nozzle Size | Nozzle 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    |

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

# 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).

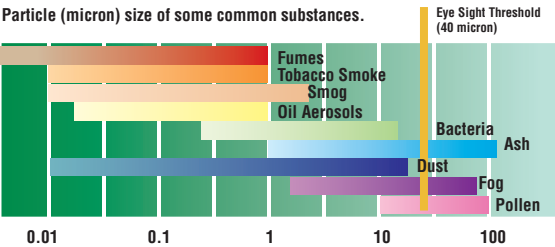
## HPL 1500 High Pressure Portable Compressor Fluid

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

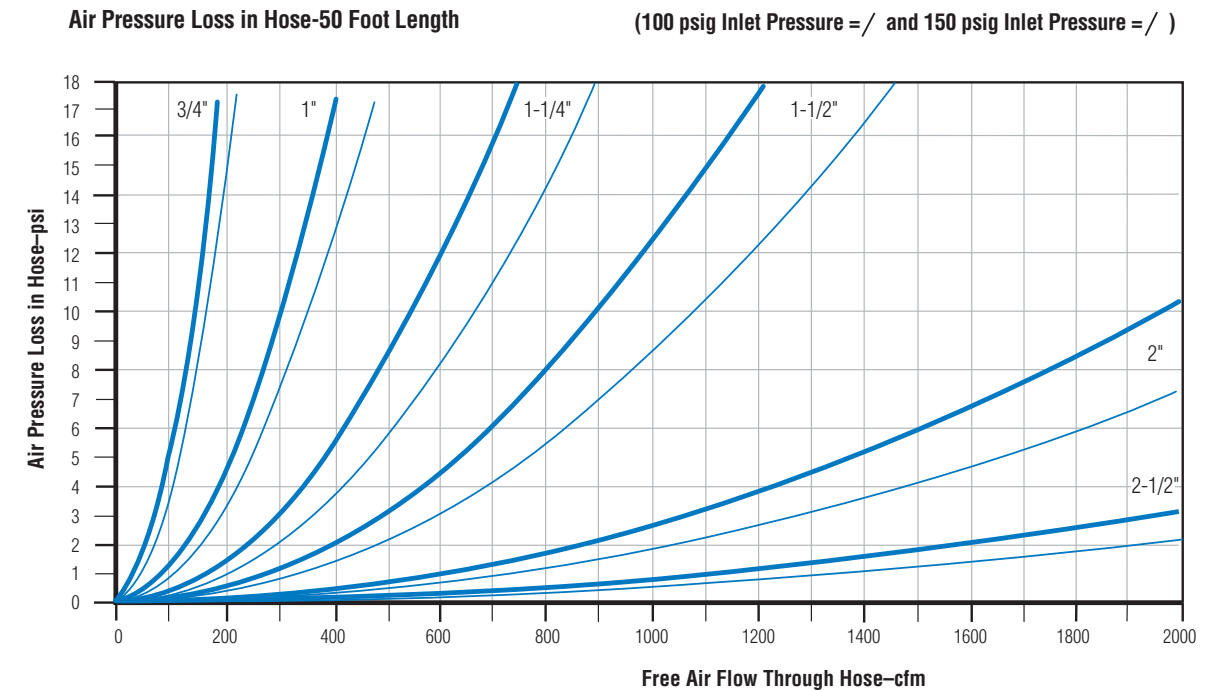
- Aftercooler and moisture separator
- Primary and secondary filters remove particulate to 0.01 micron and aerosols to 0.01 ppm
- Filter warning and shutdown system prevents downstream contamination



# 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.



**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:** An abrasive blasting contractor has 200 feet of 2" air hose to be used from the compressor to the blast pot. With the 1500 cfm he will need to supply his blast pot and nozzles, how much pressure loss can the contractor expect in the 2" hose? And, what would his pressure loss be with a 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).

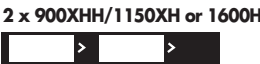
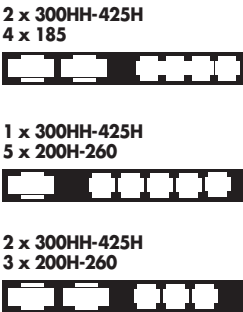
**Answer (part III):** Yes, the Sullair 1600H has sufficient capacity and pressure capability.

**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.

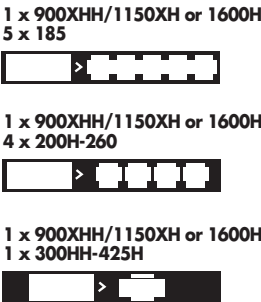
# Portable Compressor Truck Loading Combinations

# Portable Compressor Loading Combinations 20' & 40'

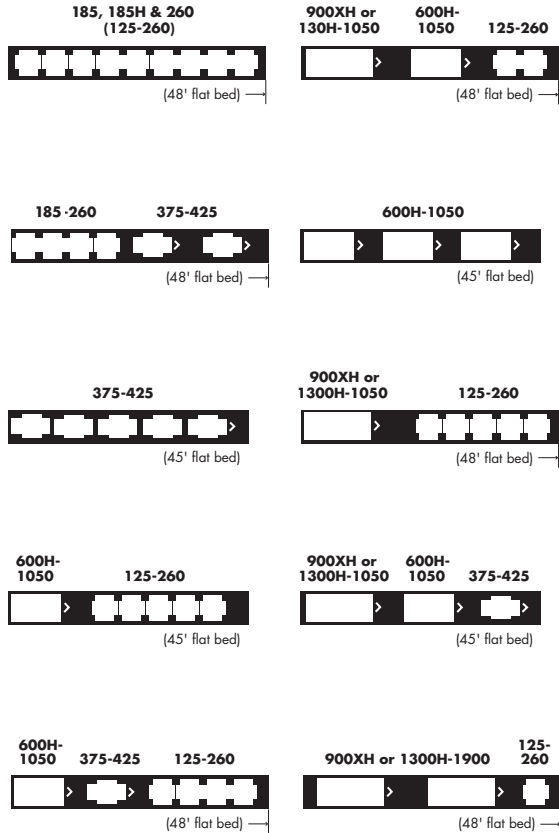
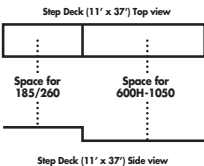
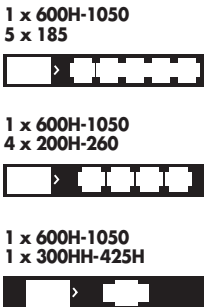
## 48' Flat Bed



## 48' Flat Bed



## 48' Step Deck



- 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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