INDUSTRIAL AIR COMPRESSOR
40 - 100 HP UPDRAFT MODELS

• **T1 Microprocessor** - Program daily schedule to suit plant requirements
• **Electric Motor** - 460/575/3/60 standard (208/230/3/60 and 380/415/50 optional on most models)
• **Motor Starter** - Full voltage magnetic starter with 120 volt controls, NEMA 1
• **Protective Devices** - Class 20 Solid State overload relay, anti reverse, high temperature and high pressure shutdown switches (40-60HP).
• **Lube Fill & Level Elbow** - One piece fluid fill elbow and level indication sight glass
• **Separator Tank** - ASME coded 200PSIG tank, relief valve, minimum pressure/check valve
• **Cooling System** - Cooling system with dedicated fan motor, large side by side lube cooler and aftercooler
• **Air Intake Filter** - Heavy duty dry type with easily replaceable elements
• **Inlet/check valve** - One piece housing for dependable performance and complete modulation
• **Coupling & Drive** - Compressor is flange mounted to motor C-face for positive alignment and direct driven
• **Controls** - 0-100% modulation, solenoid controlled for smooth lowest possible no load power

“The Ultimate Performance Rotary Screw Air Compressor”
**Standard Features:**

**T1 Microprocessor**
- Pressure schedule
- Dedicated pressure display always shown
- Unload pressure
- Digital load and unload settings
- RS485 communication
- Programmable features
- Digital settings

**Protective Devices**
- Class 20 solid state overload relay
- High discharge temperature switch
- High pressure shutdown switch
- Anti-start pressure switch (prevent starting while air compressor is pressurized)
- Anti-reversing control (protect against reverse rotation operation)

**Separator Tank**
- ASME coded 200PSIG separator tank
- Soft seat relief valve
- Minimum pressure/check valve
- High efficient single stage air/fluid separator element

**Electric Motor**
- 208/230/460/575 (380/415/50) volt
- NEMA T-frame with C-face Flange
- Open drip proof squirrel cage induction type
- Premium efficient design
- Optional TEFC available on all models

**Motor Starter**
- Magnetic full voltage starter with 120 volt controls
- UL, ETL listed NEMA 1 enclosure
- Three-phase overload with reset button
- Cooling fan motor protected by solid-state overload relay
Soft start and VFD available on all models

**Lube Fill & Level Elbow**
- One piece lube fill and sight glass
- SAE o-ring sight glass
- Large SAE port for ease of fill on larger sizes
- Vented fill cap for pressure release assurance

**Air Intake Filter**
- Heavy duty dry-type
- Easy access replaceable element(s)
**Fluid Filter**  
Spin-on type element strategically located for ease of maintenance

**Self-Alignment Coupling Assembly**  
- Adapter mounts to compressor and motor flange  
- Positive alignment feature  
- Direct drive zero maintenance coupling assembly

**Cooling Systems**  
- Dedicated fan motor  
- Side by side lube cooler and air cooled aftercooler  
- Easy cleaning  
- Updraft design allows hot air to be recovered or exhausted thru top of the machine

**Acoustical Enclosure (optional)**  
- Noise reduction insulated acoustical enclosure  
- Easy removable access panels for maintenance inspection  
- Enclosure filters (replaceable) for fresh incoming air filtration (optional)

**Inlet/Check Valve**  
- One piece housing for dependable performance  
- Complete range of modulated inlet control 0-100%

**Stainless Steel Pipe Option for Water Cooled Compressors**  
- Keeps water-cooled compressors running cleaner and longer.  
- No rust build-up

**Specifications**

<table>
<thead>
<tr>
<th>Model Drive Motor HP</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>75</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAPACITY (CFM)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>125 psi</td>
<td>166</td>
<td>210</td>
<td>280</td>
<td>356</td>
<td>440</td>
</tr>
<tr>
<td>150 psi</td>
<td>115</td>
<td>200</td>
<td>225</td>
<td>280</td>
<td>345</td>
</tr>
<tr>
<td>175 psi</td>
<td>105</td>
<td>125</td>
<td>160</td>
<td>200</td>
<td>313</td>
</tr>
<tr>
<td><strong>Fan Motor HP</strong></td>
<td>1</td>
<td>1</td>
<td>1.5</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td><strong>Sump Capacity (gal)</strong></td>
<td>3.5</td>
<td>3.5</td>
<td>6</td>
<td>10</td>
<td>10-12</td>
</tr>
<tr>
<td><strong>Discharge NPT (in)</strong></td>
<td>1.25</td>
<td>1.25</td>
<td>1.25</td>
<td>1.5</td>
<td>2</td>
</tr>
<tr>
<td><strong>Length (in)</strong></td>
<td>66</td>
<td>66</td>
<td>66</td>
<td>80</td>
<td>80</td>
</tr>
<tr>
<td><strong>Width (in)</strong></td>
<td>34</td>
<td>34</td>
<td>34</td>
<td>45</td>
<td>45</td>
</tr>
<tr>
<td><strong>Height (in)</strong></td>
<td>48</td>
<td>49</td>
<td>49</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td><strong>Weight (lbs)</strong></td>
<td>1050</td>
<td>1215</td>
<td>1460</td>
<td>2100</td>
<td>2250</td>
</tr>
<tr>
<td><strong>Weight/Enclosed (lbs)</strong></td>
<td>1350</td>
<td>1515</td>
<td>1760</td>
<td>2500</td>
<td>2650</td>
</tr>
</tbody>
</table>

Description, Specifications and Pictures represented in this brochure may vary from actual equipment purchased.
Electric Driven Industrial Air Compressors
- 5-10 HP Belt Driven
- 15-40 HP Direct Drive
- 40-100 HP Updraft
- 125-300 HP SP20
- 300-400 HP SP32
- High and Low Pressure
- Variable Frequency Drive Designs
- Specialty Packaged Systems

Piston Air Compressors
- Splash Lube
- Pressure Lube
- Gas Driven

Compressed Air Accessories
- Refrigerated Air Dryers
- Desiccant Air Dryers
- Air Filters
- Oil Free Systems
- Air System Analysis
- System Management Solutions
- Condensate Management Systems

Diesel Driven Portable Air Compressors
- 185 cfm to 1800 cfm
- John Deere, Cat and Cummins Engines
- 3 year Air End Warranty
- Utility Models
- Offshore Models

High Pressure Portable and Skid
- 950-1150/350

Instrument Quality Air
- D375 to D1600

NEW Gas Powered, Dual Fuel, 185 cfm Units
- Skid Mount Aftercoolers
- Skid Mount Dryers and Aftercoolers
- Construction Electric Rentals 50-450HP
- Electronic Parts Orders Through SmartEquip™
- Full Line of Pneumatic Tools
- Hoses and Accessories

Sullivan-Palatek
1201 W US Hwy 20
Michigan City, IN 46360
PH: 800-438-6203
FX: 800-725-6203
info@palatek.com
www.sullivanpalatek.com

Distributed By: