

# Sullivan Palatek®

40 - 100 UD SERIES  
COMPRESSORS



## 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”*



# *"The Ultimate Performan*



## **Standard Features:**

### **T1 Microprocessor**

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

### **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



### **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



### **Air Intake Filter**

- Heavy duty dry-type
- Easy access replaceable element(s)

# Performance Rotary Screw Air Compressor



## Fluid Filter

Spin-on type element strategically located for ease of maintenance

## Stainless Steel Pipe Option for Water Cooled Compressors

- Keeps water-cooled compressors running cleaner and longer.
- No rust build-up



## 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%

## Specifications

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

Description, Specifications and Pictures represented in this brochure may vary from actual equipment purchased.

# Sullivan Palatek



## 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  
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## Diesel Driven Portable Air Compressors

185 cfm to 1800 cfm  
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Utility Models  
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## Instrument Quality Air

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