

D-SERIES

15-40 HP \ DIRECT DRIVE \ INDUSTRIAL ELECTRIC COMPRESSORS



D-15 \ D-20 \ D-25 \ D4-25 \ D-30 \ D-40

Advantages of Having a Sullivan-Palatek Rotary Screw Compressor

Sullivan-Palatek manufactures one of the most reliable, high performance, low maintenance air ends in the industry.*



Our advanced rotor design features oversized radial thrust bearings and precision working rotary screws that provide virtually no wear. With less friction and less heat, compressors run cool and the circulating fluid lasts longer.

Standard Features:

Electric Motor

208/230/460/575 volt (15-25 HP) 230/460/575 volt (30-40 H.P.) Nema T-frame, C-face, open drip proof squirrel cage induction type, energy efficient.

Motor Starter

208/230/460/575 volt (15-25 HP) 460/575 volt (30-40 HP), *Optional 208/230 volt for 30-40HP.* Full voltage magnetic starter with 110 volt controls, Nema-1 enclosure, ETL listed, UL certified, solid state control circuit breaker protection and three phase overload with reset button and phase protection. Other voltages available.

Protective Devices

Class 20 solid state overload relay, high temperature and over pressure shut-down switches, and an anti-restart pressure switch preventing starting while air compressor is pressurized. ASME safety relief valve.

*Air End Warranty, 2 years. Extended 5-year Superior Platinum Warranty or NEW Platinum-PLUS Warranty available with purchase of genuine Sullivan-Palatek parts and fluids.

Controls

Full modulation, solenoid controlled for smooth transition to lowest possible no load power. Automatic start/stop or constant speed selector switch. Timed dual control.

Microprocessor

Easy to read output, English is standard, French and Spanish languages available.



Gauges (optional)

Line pressure gauge, discharge pressure gauge, hour meter, temperature gauge, lube filter and separator element differential gauges.



Coupling & Drive

Compressor is flange mounted to motor C-face for positive alignment and direct drive. The coupling element has a 1 year warranty.*



Air Intake Filter

Oversized dry type. Primary and secondary element. Easily replaced.

Inlet/Check Valve

One piece housing for dependable performance and complete modulation control.

Separator Tank

ASME coded 200PSIG tank, safety relief valve, minimum pressure/check valve, high efficiency replaceable air/lube separator element and oil return flow sight glass.



Lube Fill & Level Elbow

One piece lube fill elbow and level sight glass. Vented cap for pressure release when removing.



Shown with optional tank mount >>

SPECIFICATIONS

Model		D-15	D-20	D-25	D4-25	D-30	D-40
Capacity @ 125 PSI 150 PSI (H) 175 PSI (HH)	CFM	49.5	78	105	95	115	166
		46.5	78	92	90	110	115
		N/A	53	80	78	105	110
Motor	hp (kW)	15 (11.2)	20 (14.9)	25 (18.6)	25 (18.6)	30 (22.4)	40 (29.8)
Motor Speed	RPM	1,750	1,750	3,550	1,750	3,550	3,550
Sump Capacity	gallons (liters)	3 (11)	3 (11)	3 (11)	3 (11)	3 (11)	3.5 (13)
Discharge NPT	inches	1"	1"	1"	1"	1"	1 1/4"
Length	inches (mm)	56 (1,422)	58 (1,422)	58 (1,498)	61 (1,549)	58 (1,473)	62 (1,574)
Length (Tank Mounted)	inches (mm)	72 (1,828)	72 (1,828)	72 (1,828)	72 (1,828)	72 (1,828)	73 (1,854)*
Width	inches (mm)	26 (660)	26 (660)	26 (660)	26 (660)	26 (660)	30 (762)
Width (Tank Mounted)	inches (mm)	29 (736)	29 (736)	29 (736)	29 (736)	29 (736)	33 (863)*
Height	inches (mm)	34 (863)	34 (863)	34 (863)	34 (863)	34 (863)	37 (939)
Height (Tank Mounted)	inches (mm)	64 (1,625)	64 (1,625)	64 (1,625)	64 (1,625)	64 (1,625)	71 (1,803)*
Weight	pounds (kg)	580 (263)	625 (283)	625 (283)	790 (358)	770 (349)	925 (419)
Weight (Tank Mounted)	pounds (kg)	905 (410)	950 (430)	950 (430)	1,115 (505)	1,095 (496)	1,400 (635)*

Note: Rated capacity in ACFM is based on standard conditions.
Capacity will vary with ambient conditions;

i.e. temperature and barometric pressure, and compressor output pressure.

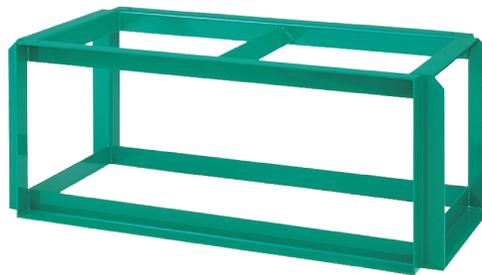
* Dimensions and weights shown for units mounted on 200 gallon tank, all others being shown with 120 gallon tank

Water Cooled
Option Available



Tank Mounted (optional)

ASME coded 120, 200 and 240 gallon air receivers are readily available.



Elevated Platform (optional)

19" High, to keep your unit off the ground and for easy maintenance.



Acoustical Enclosure (optional)

Easy removable panels for faster maintenance and accessibility. Inlet cooling air filter replaceable element for clean quiet performance.

Sullivan-Palatek, Inc.

1201 West US Highway 20
Michigan City, IN 46360

219.874.2497 sullivan-palatek.com info@palatek.com