

FIXED SPEED PREMIUM DIRECT DRIVE ROTARY SCREW COMPRESSOR

South-Tek compressors are engineered for unmatched performance.

At South-Tek, our mission is to power yours. Experience the pinnacle of efficiency with our most advanced screw compressor yet. Preventing costly downtime, our compressors feature a premium airend profile and industry-leading innovations, the STSP Series delivers superior performance and maximum energy efficiency, giving you the competitive edge you need to stay ahead.

We provide mission-critical complete air and gas solutions through our distribution network, offering a full suite of products from nitrogen generators to compressors, filters, and dryers. As the single-source for on-premise gas generations and air solutions, we provide expertise, control and performance through one vendor, one brand and one superior support team.



Key Features and Benefits

- **IE4 engine offers premium efficiency for maximum energy savings.**
- **User-friendly remote monitoring, control and feedback support to optimize operations.**
- **Low speed radial fan and inverter for increased durability and long service life.**
- **Low speed radial fan**
- **Radial fan inverter**
- **Capacity control valve (optional) to allow for maximum customization to suit your needs.**
- **Ease of service**
- **Ultra quiet to reduce workplace noise.**
- **Lifetime Airend warranty**
- **Heat recovery (optional) offers premium efficiency for maximum energy savings.**
- **Maximum performance in difficult conditions (operating temperature 45°C and above).**
- **Water cooling (optional) offers premium efficiency for maximum energy savings.**

STSP Series



Product Features

At South-Tek Systems, our mission is to power yours with maximum expertise, performance and control. That's why our compressors are built with industry-leading components like AKG coolers, WEG motors, Hoerbiger inlet valves, and CMC controllers, ensuring reliability and efficiency you can depend on.



Weg Motor

- Nonproprietary, off-the-shelf motors reduce costs and simplify servicing.
- Compressors up to 40 HP use Tri-Voltage motors; 50 HP and above are standard 460V.
- Equipped with Class F insulation.



Microprocessor Controller

- Intuitive touch display option
- 'Built-in' phase protection
- Prime and Fan motor current protection
- Durable ABS plastic enclosure
- IP65 fascia protection
- MODBUS ready
- Industry 4.0 / IOT ready
- Factory or Aftermarket IOT Option module



Cooler

- Cutting-edge technology for superior performance.
- Up to 60% more compact than traditional fin-and-tube designs.
- Durable bar-and-plate construction.
- Minimizes airside fouling for optimal efficiency.

Specification Sheet

South-Tek Model #	HP	CFM @ 100 PSI	CFM @ 125 PSI	CFM @ 218 PSI
STSP-30	30	157.86	141.26	91.11
STSP-40	40	195.64	175.16	129.96
STSP-50	50	240.85	215.77	161.39
STSP-60	60	303	276.16	199.53
STSP-75	75	399.06	366.21	240.49
STSP-100	100	529.37	478.16	316.77
STSP-125	125	615.53	554.44	405.06
STSP-150	150	778.34	699.58	492.99
STSP-180	180	904.06	810.47	574.57
STSP-200	200	1042.84	943.61	678.04
STSP-250	250	1266.38	1034.37	743.02
STSP-270	270	1483.57	1307.7	917.48
STSP-335	335	1786.57	1595.16	1121.24
STSP-425	425	2151.72	1933.12	1316.88



Founded in 2003, South-Tek Systems is the industry's leading nitrogen generation manufacturer. Offering both standard product lines and engineered-to-order generation solutions, South-Tek delivers best-in-class nitrogen generators for worldwide distribution..

South-Tek Systems, LLC
3700 U.S. Highway 421 North
Wilmington, NC 28401

Toll-Free: (888) 526-6284
Office: (910) 332-4173
Fax: (910) 332-4178

info@southteksystems.com
www.southteksystems.com

