

## FIXED SPEED BELT 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 S 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

- **Premium efficiency for maximum energy savings.**
- **User-friendly remote monitoring, control and feedback support to optimize operations.**
- **Low speed for increased durability and long service life.**
- **Compact design screw compressor offers economical use of space, small footprint.**
- **IE3 engine offers premium efficiency for maximum energy savings.**
- **Ease of service**
- **Quiet operation to reduce workplace noise.**
- **6 year airend warranty.**
- **Maximum performance in difficult conditions (operating temperature 45°C and above).**

# STS 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
STS-5	5	23.66	20.13	N/A
STS-7.5	7.5	32.14	28.25	N/A
STS-10	10	43.08	37.79	21.54
STS-15	15	64.27	57.21	39.55
STS-20	20	87.93	77.69	51.56
STS-25	25	106.3	95.7	66.04
STS-30	30	135.96	121.13	81.93
STS-40	40	182.93	163.86	115.48
STS-50	50	222.48	200.23	141.61
STS-60	60	268.39	242.26	174.45
STS-75	75	337.26	301.59	204.47
STS-100	100	441.43	401.53	287.11



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.

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