

## VARIABLE SPEED PREMIUM MEDIUM PRESSURE DIRECT DRIVE ROTARY

### South-Tek compressors are engineered for unmatched performance.

At South-Tek, our mission is to power yours. Preventing costly downtime, our STS-T and STSH-VSD compressors deliver whisper-quiet operation, and stand as the leaders in their class. Delivering ultra-high efficiency across all industrial applications, it ensures reliable, 24/7 operation to meet your air demands without compromise.

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 efficient engine for maximum energy savings.**
- **Low speed radial fan and inverter for increased durability and long service life.**
- **User-friendly remote monitoring, control and feedback support to optimize operations.**
- **Frequency controlled (inverter) to allow for maximum customization to suit your needs.**
- **Ultra quiet to reduce workplace noise.**
- **Highest performance in its class.**
- **Service program and 3 year airend warranty.**
- **Maximum performance in difficult conditions (operating temperature 45°C and above).**
- **Heat recovery (optional) offers premium efficiency for maximum energy savings.**

# STSH-VSD 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

- Non proprietary, off-the-shelf motors reduce costs and simplify servicing.
- Fixed Speed Compressors up to 40 HP use Tri-Voltage motors; All Variable speed units and 50 HP and above Fixed speed are standard 460V.
- Equipped with Class F insulation.



### Microprocessor

- 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



### AKG 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 @ 290 PSI
STSH-25VSD	25	35.67
STSH-30VSD	30	44.85
STSH-40VSD	40	74.16
STSH-50VSD	50	93.23
STSH-60VSD	60	119.01
STSH-75VSD	75	149.73
STSH-100VSD	100	190.35



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

