

## VARIABLE SPEED DIRECT DRIVE ROTARY SCREW COMPRESSOR

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

At South-Tek, our mission is to power yours. Preventing costly downtime, our STSD-VSD Series 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

- **IE3 efficient engine for maximum energy savings.**
- **Low speed for increased durability and long service life.**
- **User-friendly remote monitoring, control and feedback support to optimize operations.**
- **Ultra quiet to reduce workplace noise.**
- **Frequency controlled (inverter) to allow for maximum customization to suit your needs.**
- **Highest performance in its class.**
- **Service program and 10 year airend warranty.**
- **Maximum performance in difficult conditions (operating temperature 45°C and above).**

# STSD-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

- 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
STSD-15VSD	15	62.86	55.09	37.79
STSD-20VSD	20	85.11	74.16	49.09
STSD-25VSD	25	105.24	93.94	63.21
STSD-30VSD	30	134.55	110.53	76.28
STSD-40VSD	40	182.22	162.8	113.71
STSD-50VSD	50	222.48	199.17	141.26
STSD-60VSD	60	265.21	238.37	171.98
STSD-75VSD	75	334.43	300.88	204.47
STSD-100VSD	100	434.02	410.71	286.05

South-Tek Model #	HP	CFM @ 100 PSI	CFM @ 125 PSI	CFM @ 218 PSI
STSD-125VSD	125	518.42	473.57	332.66
STSD-150VSD	150	688.28	621.54	440.37
STSD-180VSD	180	829.54	719.36	515.59
STSD-220VSD	220	952.79	861.68	619.07
STSD-250VSD	250	1092.99	989.52	709.47
STSD-270VSD	270	1295.7	1035.78	743.02
STSD-335VSD	335	1584.22	1427.07	1013.88
STSD-425VSD	425	1783.74	1756.2	1266.03
STSD-475VSD	475	2159.49	1819.76	N/A



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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