

FIXED 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 Series compressors provides maximum efficiency in design and performance, with each component designed for ease of maintenance and reducing operating costs. Model range 30hp - 600hp (22kw-450kw).

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

- **Delivers premium efficiency.**
- **User-friendly remote monitoring, control and feedback support to optimize operations.**
- **Low speed for increased durability and long service life.**
- **IE3 efficient engine for maximum energy savings.**
- **Ultra quiet to reduce workplace noise.**
- **Service program and 10 year airend warranty.**
- **Maximum performance in difficult conditions (operating temperature 45°C and above).**
- **Our performance measurement values are measured according to ISO 1217:2009 Annex C.**

STSD 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-30	30	134.55	110.53	76.28
STSD-40	40	175.16	156.44	113.71
STSD-50	50	216.13	193.52	137.37
STSD-60	60	265.21	238.37	169.51
STSD-75	75	330.9	290.99	197.06
STSD-100	100	434.02	405.77	280.4
STSD-125	125	518.42	473.57	330.55
STSD-150	150	688.28	614.12	425.19
STSD-180	180	829.54	719.36	515.59

South-Tek Model #	HP	CFM @ 100 PSI	CFM @ 125 PSI	CFM @ 218 PSI
STSD-200	200	952.79	861.68	619.07
STSD-250	250	1092.99	989.52	709.47
STSD-270	270	1266.38	1035.78	743.02
STSD-300	300	1543.96	1412.94	995.17
STSD-400	400	1738.89	1730.07	1266.03
STSD-475	475	1880	1854	N/A
STSD-545	545	2357.96	2105.11	N/A
STSD-600	600	2584.33	2334.65	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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