

# Convenient and secure

Our screw air compressors have few moving parts and are designed with everything in one complete cabinet. Ensuring a safer work environment, reduced risk of oil leakage and easy maintenance.

Cooling.

Internal air-circulation ensures efficient cooling of heat-affected components.

VFD – Saving energy and cost.

Our Variable Frequency Drive model changes the motor speed in accordance with the airflow demand, saving both energy and cost.

Lower power consumption.

Our screw compressors ensure high output and lower power consumption.



Easy installation  
and operation

Sperre compressors can be installed without the use of special tools. A removable fully enclosed cabin protects both compressor and crew and reduces noise levels.

Drive system

Belt drive technology is employed for our screw compressors in the S05–S45 range. For the larger models in the S55–S90 range, coupling with gearbox is used.



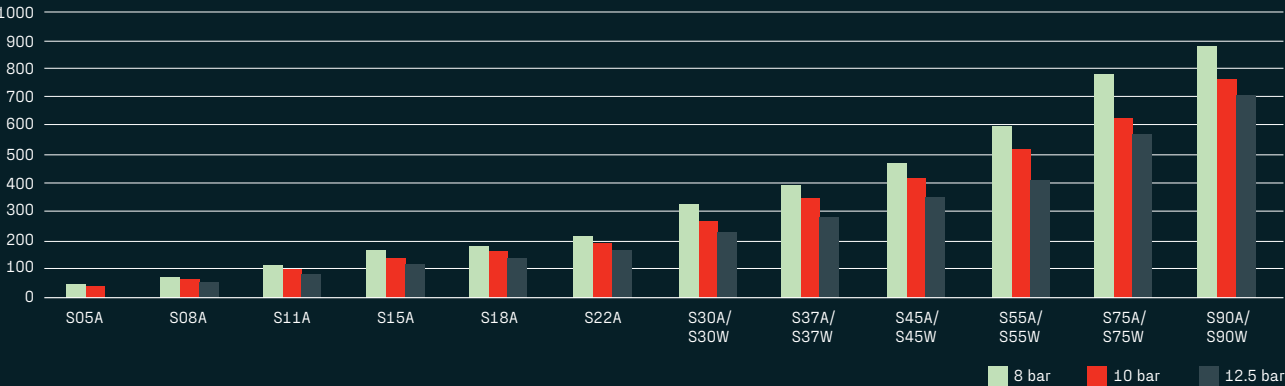
Built-in oil separator

With a user friendly design made for easy maintenance and Sperre's renowned service concept, maintaining our screw compressors are convenient. We provide maintenance schedule with service kits according to running hours to give you peace of mind regarding maintenance of the screw compressors at your installation.



Specifications

## Compare charging capacity for each model



Fixed speed				
Air-cooled	Water-cooled	8 bar	10 bar	12.5 bar
S05A		61	41	
S08A		72	63	51
S11A		113	99	77
S15A		162	138	114
S18A		174	162	132
S22A		210	192	162
S30A	S30W	324	270	222
S37A	S37W	390	348	276
S45A	S45W	468	420	348
S55A	S55W	600	522	408
S75A	S75W	780	630	570
S90A	S90W	882	768	708

VFD				
Air-cooled	Water-cooled	8 bar	10 bar	12.5 bar
S11A-VFD		68-113	59-99	46-77
S15A-VFD		97-162	83-138	68-114
S18A-VFD		104-174	97-162	79-132
S22A-VFD		126-210	115-192	97-162
S30A-VFD	S30W-VFD	194-324	162-270	133-222
S37A-VFD	S37W-VFD	234-390	209-348	165-276
S45A-VFD	S45W-VFD	280-468	252-420	209-348
S55A-VFD	S55W-VFD	254-600	209-522	162-408
S75A-VFD	S75W-VFD	312-780	252-630	228-570
S90A-VFD	S90W-VFD	354-882	306-768	282-684

The air flow (FAD) is tested as per the requirement in ISO1217 standard (GB/T3853) under the load condition of the unit. The model can be ordered either as a 380V/50Hz version or as a 440V/60Hz version. All capacities in m³/h.