

The new compact VS compressor

**Gardner
Denver**

eXact[®]
RPM



THE VS 20 VARIABLE SPEED DRIVE – eXact RPM, BIG SAVINGS

The Gardner Denver VS 20 complements Gardner Denver's wide range of variable speed compressors. The VS 20 is a perfect example of Gardner Denver's compact and sophisticated line of VS-compressors. The VS 20 provides gigantic energy savings in 5 - 20 kW applications.

The new VS 20 is based on the technology proven in the ES 15 - 18 series compressor – yet it is still a real Variable Speed Compressor. The integrated frequency converter has many built in features from adjusting the service intervals to providing protection in harsh conditions and much more. The VS 20 has a standard electric motor, unlike the competitive units which use high-speed or other

special motors. An integrated dryer with oil-water separator is available as an option.

Easy installation

The VS 20 has the TEMPEST[®] 6 integrated compressor with ENDURO[®] 6 air end. As all Gardner Denver compressors, the compact VS 20 is easy to install in areas with limited space. The intelligent control system of the VS 20 enables operation with a minimal size (100 liters) receiver tank.

Modern technology

The VS 20 has an advanced and automatic belt-tensioning system which gives long belt life by keeping the belt tension optimal in all conditions. The compressor is easy to use and maintain, thanks to the multi-lingual, full feature, integrated control system.

CUT ENERGY COSTS



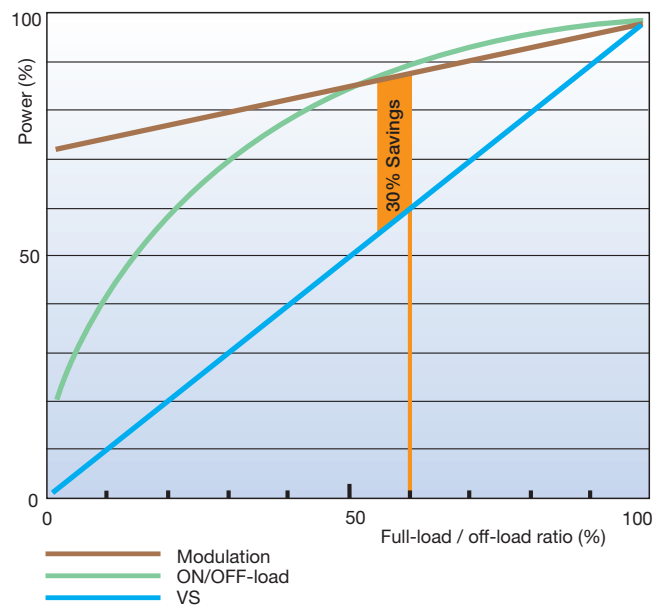
Gardner Denver's VS compressors are based on frequency converter technology to control the capacity precisely to the air demand. This means that the compressor controls system matches the air end rotation speed exactly to air requirements. The result is constant network pressure at all times without need to pump to over pressure, this minimizes the power consumption.

With 23 - 100% capacity range, the Gardner Denver VS 20 features the markets widest and quickest adaptation to air demand changes with good efficiency through the regulation range.

The VS benefits in a nutshell:

- Up to 35 - 40% energy savings
- Up to 20 - 30% savings in Life Cycle Costs during the first 5-year period
- Rapid reaction to pressure changes
- Constant working pressure
- No need for over-compressing
- eXact RPM[®] to real air demand
- Wide regulation range with good efficiency
- High motor power factor
- Smooth start with the inverter technology
- Less off-loading cycles and fewer starts
- Sized to operate at full capacity for unlimited time
- Easy plug and play installation

Gardner Denver Variable Speed



Maximum pressure*		Capacity at nominal pressure**		Power		Net weight	Noise level***
bar	psig	m ³ /min	cfm	kW	hp	kg	dB(A) max
7,5	110	0.7 - 3.0	25 - 106	19	25.5	470	70
10	145	1.0 - 2.5	35 - 89				
13	190	1.0 - 2.1	35 - 75				

* Max pressure -0.25 bar with integrated dryer

** Capacity measured in accordance with Cagi Pneurop PN2CPTC2 using the following working pressures: 7.5 bar models at 7 bar, 10 bar models at 9 bar and 13 bar models at 12 bar.

*** Noise pressure level Lp measured in accordance with Cagi Pneurop PN8NTC2.2 +- 3 dB(A).

Gardner Denver

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