

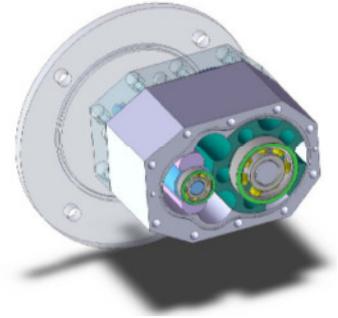
# Armak Gas Pressure Motor GGP16XA as Generator Drive



**Armak Gas Pressure Motors** are designed to drive **electric generators**. GGP Gas Pressure Motors are driven by non corrosive gaseous media at temperatures below 150°C, with pressures up to 15 bar.

Technical details and product advantages:

- **frictionless torque producing motor parts** resulting in **long and maintenance free lifetime**
- **completely enclosed motor casing without leakage**
- **compact design** and **freedom of installation**
- **metric flange + shaft**



The torque is developed by one rotating piston (in the picture the one the left), which is part of the output shaft. The sealing rotor is running without physical contact and with an extremely small gap for high motor efficiency.

This frictionless operation results in a long **maintenance free operation without downtime.**

**The applications for Armak Gas Pressure Motors** are ORC-Systems. Heat sources like for example Solar Technology (collectors / mirrors) or Combined Heating and Power Systems (exhaust of the combustion engines) are fed into a heat exchanger. A suitable fluid is inserted and vaporised. Pressurised gas up to 15 bar can be produced and delivered to an Armak motor which in turn drives a generator to create electric power. Or can supply the ORC key components, the fluid metering pump and the gas pressure motor.

**Armak Gas Pressure Motors** must be adjusted to the pressure fluid (vapour) used as some media attack and destroy bearings and seals.

## Technical Data as Generator Drive

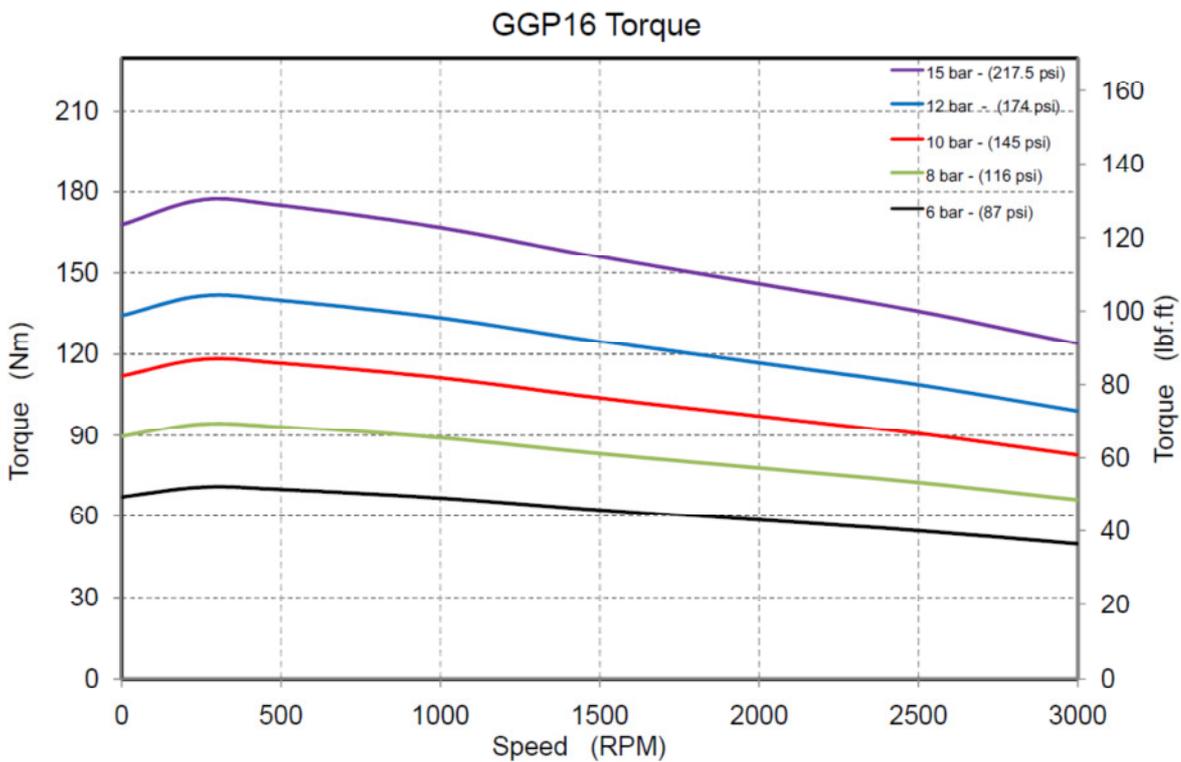
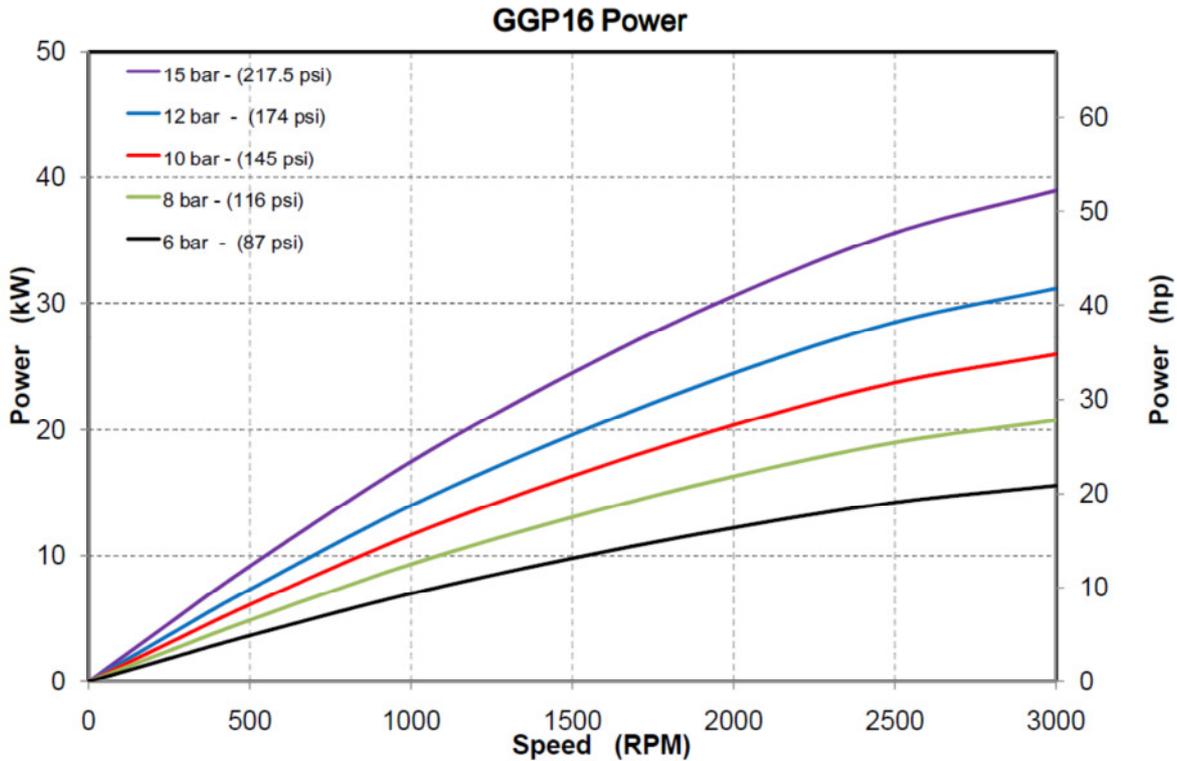
Motor		GGP16
max. power at 15 bar	kW	34
max. power at 6 bar	kW	13
max. operating pressure	bar	15
speed - max. power /15 bar	rpm	3.000
torque - max. power /15 bar	Nm	110
start torque at 15 bar	Nm	140
max. continuous speed	min <sup>-1</sup>	3.500
recommended min. speed	min <sup>-1</sup>	1.000
gas connection		G 2"
temperature range	° C	max +150
radial force - middle of shaft	N	100
axial force on shaft	N	50
weight	kg	82

Gas Pressure Motor GGP16XA

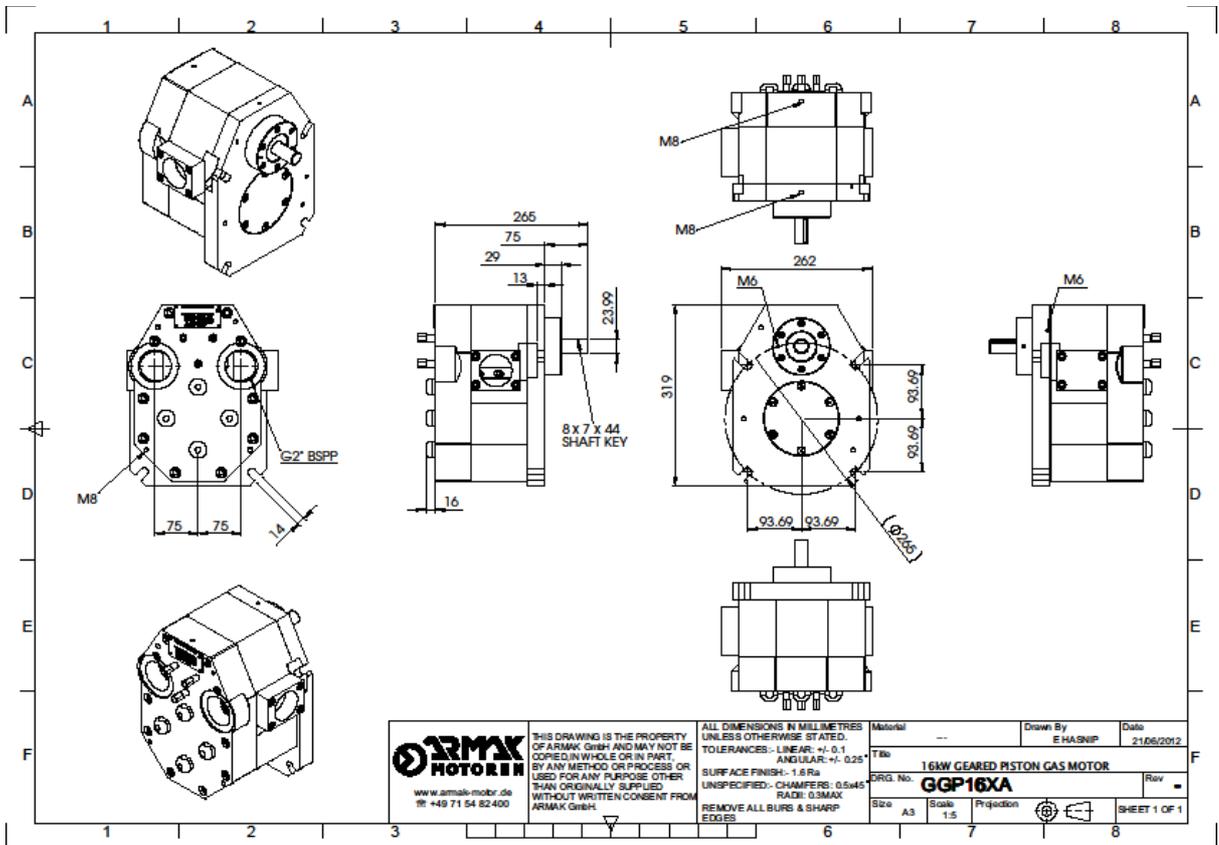
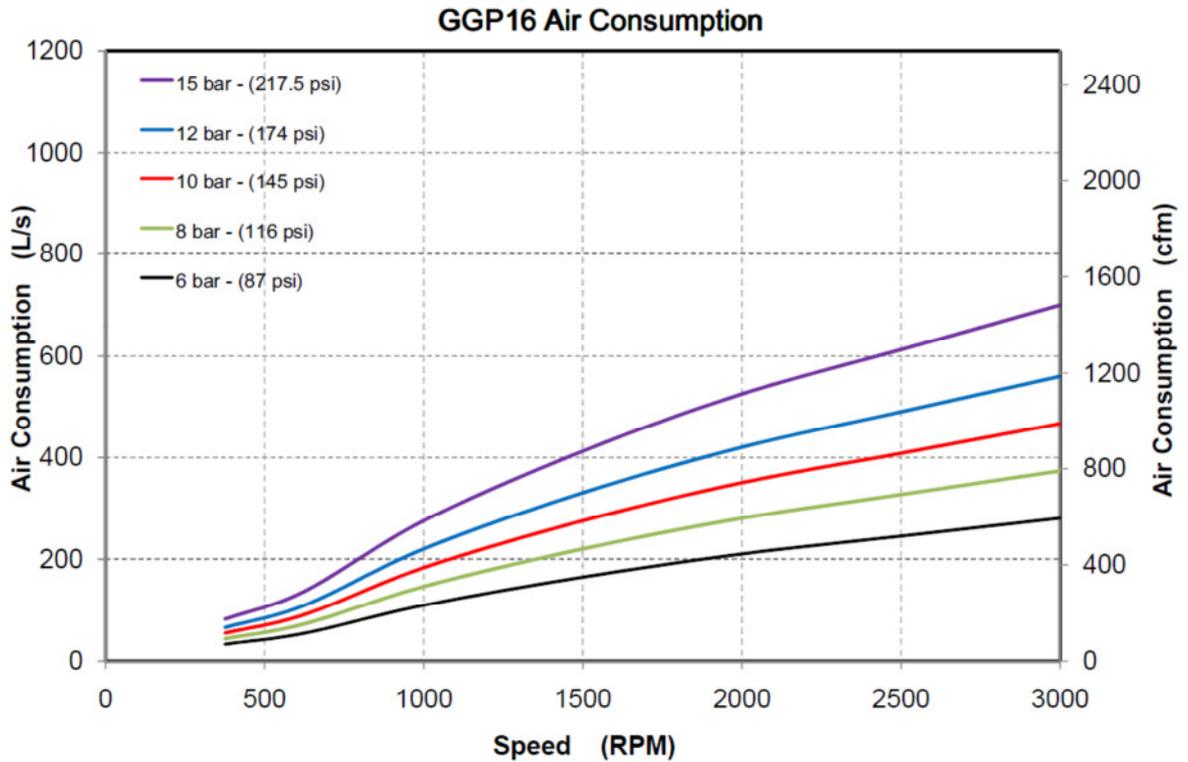


All data are valid for the actual pressure difference across the motor. Speed range for ORC systems between 1.000 and 3.500 rpm.

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Subject to improvements without notice