

GAS COMPRESSOR GVD

Gas compressors are used as pressure boosting fan for biogas, natural gas and various special gases. The gas compressors are suitable for use inside and outside in zones 1 and 2 through the ATEX-compliant design. The simple and maintenance-free design stands for long durability.

Areas of application

- ✓ Biogas
- ✓ Natural gas
- ✓ Various special gases

Execution

Guarantees are:

- ✓ Constant output pressure
- ✓ permanent technical consistent design
- ✓ insensibility against wet gases

Features include:

- ✓ fine weighed heavy aluminum impeller
- ✓ corrosion-resistant stainless steel shaft
- ✓ shaft seal via a double-acting lip seal
- ✓ automatic lubricators
- ✓ speed control via frequency converter



Technical specifications

- ✓ Housing: Stainless steel (316ss)
- ✓ Wheel: Aluminium for biogas, natural gas and special gases
- ✓ Volume flow: 50 - 6000 Nm³/h (depending on speed)
- ✓ Pressure increase: max 160 mbar or 210 mbar with 87 Hz technology
- ✓ Engine: 3 x 400 V | 1,5 - 30 kW | Eex de II t3 (Atex certified)
- ✓ Useable frequency: 15 - 75 Hz (900 U/min to 4500 U/min)
- ✓ Connection: DN 80 - DN 250, PN 10

Main features

- ✓ Wide volume stream range with a const. output pressure
- ✓ Ignition-free sources and techn. high design implementation
- ✓ Insensitive to wet gases

Optional

- ✓ Connection flange according to customer wish
- ✓ Automatic drainage
- ✓ Case position and rotation direction specifically to customer wish
- ✓ 87 Hz technology for higher outlet pressure

Type	Volume Nm ³ /h	dp 75Hz mbar	dp 87 Hz mbar	Motor kW	Connection DN
GVD 520-1,5kW	50-500	40 (50Hz)	40 (50Hz)	1,5	80/100/125
GVD 520-1,5kW-FU	50-500	90	130	1,5	80/100/125
GVD 520-2,2kW-FU	50-750	90	130	2,2	80/100/125
GVD 520-3kW-FU	50-750	90	130	3	80/100/125
GVD 651-3,0kW-FU	100-1000	160	200	3	100/125/150
GVD 651-4kW-FU	100-1000	160	200	4	100/125/150
GVD 651-5,5kW-FU	100-1500	160	200	5,5	100/125/150
GVD 651-7,5kW-FU	100-1500	160	200	7,5	100/125/150
GVD 651-11kW-FU	100-1500	160	200	11	100/125/150
GVD 652-7,5kW-FU	200-2500	160	210	7,5	200/250
GVD 652-11kW-FU	200-2500	160	210	11	200/250
GVD 652-15kW-FU	200-3000	160	210	15	200/250
GVD 652-18,5kW-FU	200-4000	160	210	18,5	200/250
GVD 652-22kW-FU	200-5000	160	210	22	200/250
GVD 652-30kW-FU	200-6000	160	210	30	200/250

