

Project

26-Sep-22

Aerzen pos. displacement blower		GM 35 S	
Medium		Air	
Volume handled at intake condition	m ³ /min	30.6	
Volume handled at intake condition	m ³ /h	1835.4	
Volume handled at normal condition	Nm ³ /h	1320.0	
Intake pressure (abs.)	bar	0.85	
Intake temperature	°C	35.0	
Density at intake conditions	kg/m ³	0.949	
Pressure difference	mbar	500	rel. humidity 50 %
Discharge pressure (abs.)	bar	1.35	
Discharge temperature	°C	95	
Blower speed	rpm	3060	
Motor speed	rpm	2965	
Required power at blower shaft	kW	34.0	
Motor rating	kW	45.0	
Sound pressure level of machine noise			
without hood	dB(A)	9□	
with hood	dB(A)	8□	



Tolerances on flow and power at blower shaft
± 5%

measured in free field at 1 m distance from the
outline of the unit (tol. ± 2dB(A) in accordance
with DIN 45 635

Scope of supply

- 2 Aerzen positive displacement blower GM 35 S, LU 43.01
Generation 5
drawing: ZG-00766
Nominal pipe size discharge side: DN 150
weight: 690 kg
- 2 Driving motor as per IEC-standard, design IM B3, IP55,
45.0 kW, 2965 rpm, 50 c/s, 0 V, size: 225 M
weight: 411 kg
- 2 Motor installation
- 2 Pressure gauge 63 mm ø with connection pieces
- 2 Maintenance indicator for filter control
- 2 Oil filling (3.5 litre), included in the service kit

Aerzen pos. displacement blower		GM 25 S	
Medium		Air	
Volume handled at intake condition	m ³ /min	16.7	
Volume handled at intake condition	m ³ /h	1001.1	
Volume handled at normal condition	Nm ³ /h	720.0	
Intake pressure (abs.)	bar	0.85	
Intake temperature	°C	35.0	
Density at intake conditions	kg/m ³	0.949	
Pressure difference	mbar	600	rel. humidity 50 %
Discharge pressure (abs.)	bar	1.45	
Discharge temperature	°C	110	
Blower speed	rpm	3510	
Motor speed	rpm	2965	
Required power at blower shaft	kW	22.0	
Motor rating	kW	30.0	
Sound pressure level of machine noise			
without hood	dB(A)	9□	
with hood	dB(A)	8□	



Tolerances on flow and power at blower shaft
± 5%

measured in free field at 1 m distance from the
outline of the unit (tol. ± 2dB(A) in accordance
with DIN 45 635

Scope of supply

- 2 Aerzen positive displacement blower GM 25 S, LU 43.01
Generation 5
drawing: ZG-00808
Nominal pipe size discharge side: DN 125
weight: 420 kg
- 2 Driving motor as per IEC-standard, design IM B3, IP55,
30.0 kW, 2965 rpm, 50 c/s, 0 V, size: 200 L
weight: 239 kg
- 2 Motor installation
- 2 Pressure gauge 63 mm ø with connection pieces
- 2 Maintenance indicator for filter control
- 2 Oil filling (1.5 litre), included in the service kit

Aerzen pos. displacement blower		GM 7 L	
Medium		Air	
Volume handled at intake condition	m ³ /min	5.8	
Volume handled at intake condition	m ³ /h	347.6	
Volume handled at normal condition	Nm ³ /h	250.0	
Intake pressure (abs.)	bar	0.85	
Intake temperature	°C	35.0	
Density at intake conditions	kg/m ³	0.949	
Pressure difference	mbar	500	rel. humidity 50 %
Discharge pressure (abs.)	bar	1.35	
Discharge temperature	°C	105	
Blower speed	rpm	3740	
Motor speed	rpm	2945	
Required power at blower shaft	kW	7.21	
Motor rating	kW	11.0	
Sound pressure level of machine noise			
without hood	dB(A)	9□	
with hood	dB(A)	80	



Tolerances on flow and power at blower shaft
± 5%

measured in free field at 1 m distance from the
outline of the unit (tol. ± 2dB(A) in accordance
with DIN 45 635

Scope of supply

- 2 Aerzen positive displacement blower GM 7 L, LU 43.01
Generation 5
drawing: ZG-00824
Nominal pipe size discharge side: DN 80
weight: 250 kg
- 2 Driving motor as per IEC-standard, design IM B3, IP55,
11.0 kW, 2945 rpm, 50 c/s, 0 V, size: 160 M
weight: 104 kg
- 2 Motor installation
- 2 Pressure gauge 63 mm ø with connection pieces
- 2 Maintenance indicator for filter control
- 2 Oil filling (1.0 litre), included in the service kit