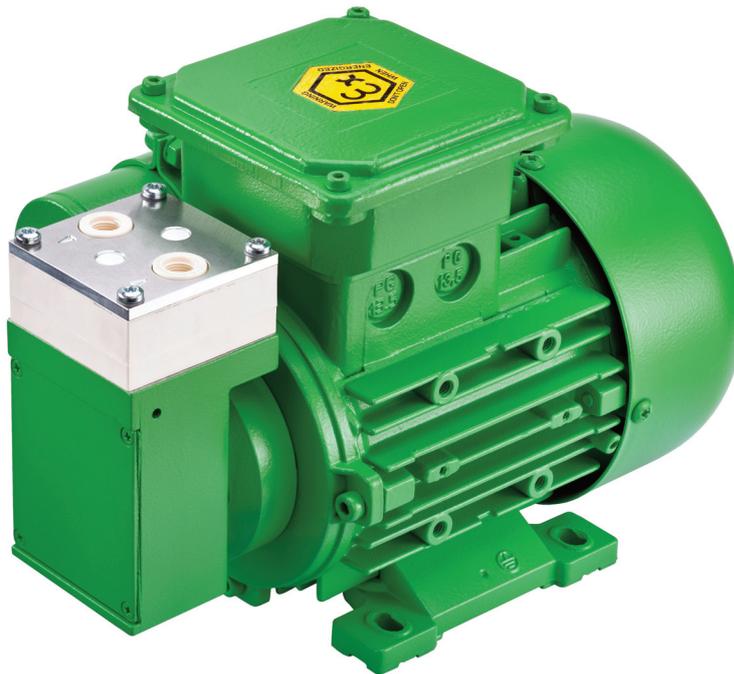




JSP-87 Ex

Compact Sample Gas Pumps



APPLICATION

- For extractive gas analysis
- For emission and process monitoring
- For continuous pumping of explosive sample gas
- Certified for gases of group II B +H2 and up to temperature class T3
- For installation in Ex zone 1 or 2
- Applicable for long tube and hose distances

BENEFITS

- Reliable continuous sample gas delivery
- No change of sample gas
- High pneumatic power
- Easy mounting and integration in gas analysis systems
- Low noise and vibration operation
- Long life time
- Maintenance free construction
- Corrosion resistant
- Gas tight

FEATURES

- For continuous operation
- Robust construction
- Small size
- Membrane pump with pump capacity 7.5 NI/min
- Corrosion resistant materials: PVDF, PTFE, FFPM
- Oil free gas path
- Operation in any installation position



TECHNICAL DATA

MODEL

JSP-87 Ex

Description	continuously working explosion proofed membrane sample gas pump
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OPERATION

Pump capacity at atm. pressure	7.5 NI/min
Max. media temperature	50 °C (122 °F)
Ambient temperature	5°...50°C (41°...122 °F)
Operating pressure max.	2.5 bara
End vacuum max.	0.14 bara

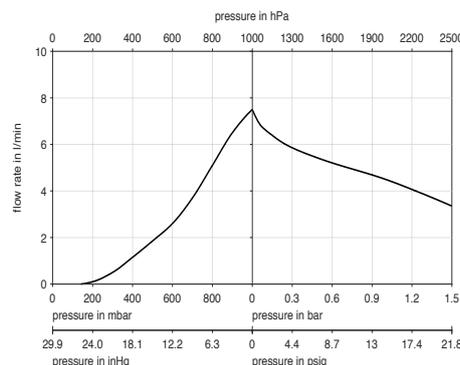
CONSTRUCTION

Dimensions all over (W x H x D)	169 x 241 x 175 mm (6.65 x 9.49 x 6.89 in)
Weight (without accessories)	6.7 kg (14.77 lbs)
Connections inlet/outlet	G1/8" f
Gas wetted materials	PVDF, PTFE, FFPM
Pump head material	PVDF, SS
Valve / Membrane material	FFPM, PTFE
Mounting	mounting base
Protection class pump / motor	IP55 / IP66
Type of protection pump / motor	⚠ II 2/2G Ex h IIB+H2 T3 Gb / ⚠ II 2G Ex db eb IIC T4 Gb
Approvals / Signs	115 V: engine IECEx 230 V: CE, ATEX

ELECTRICS

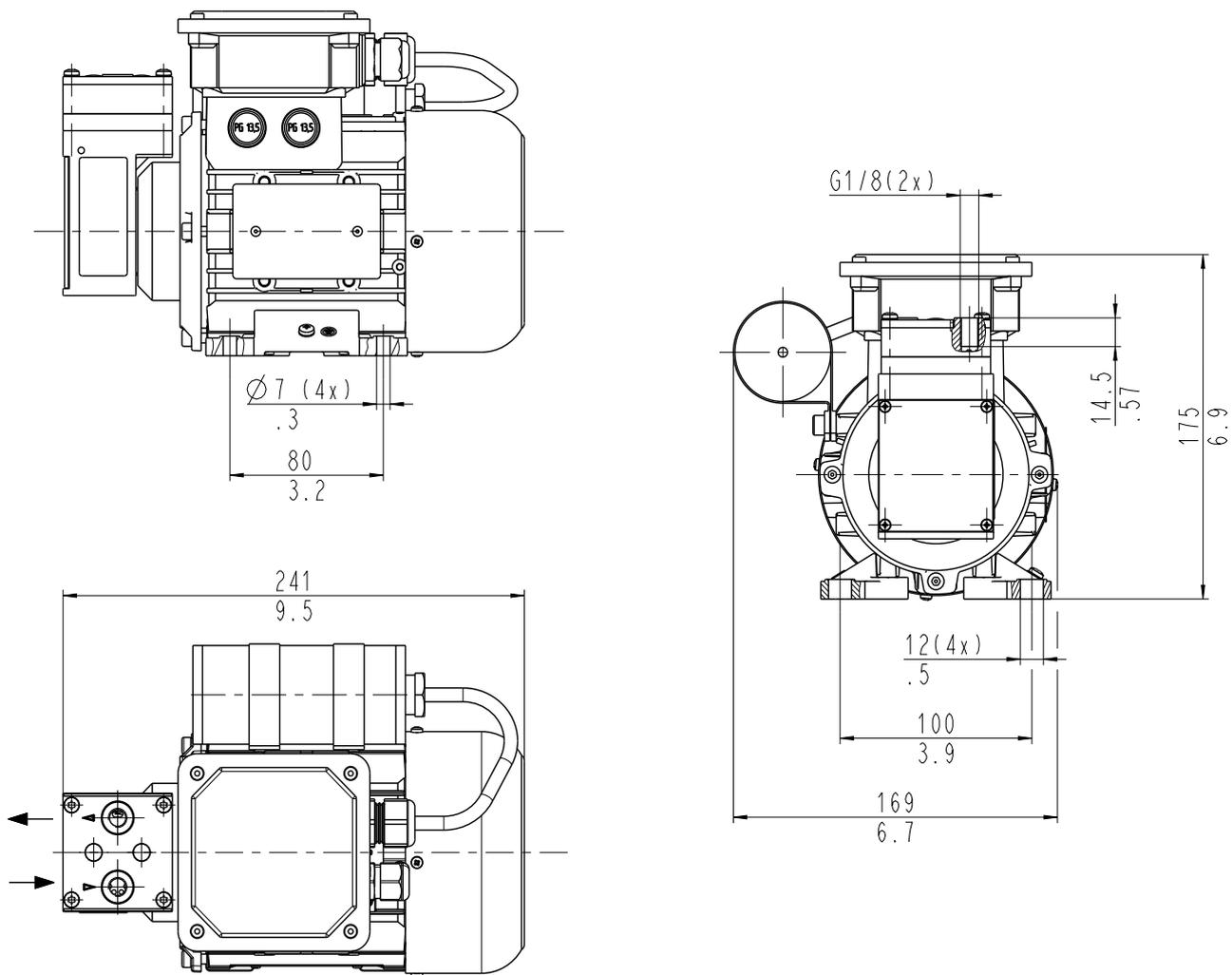
Power supply	115 VAC 50...60 Hz ±5 % or 230 VAC 50...60 Hz ±5 %
Power consumption	115 V: max. 138 VA 230 V: max. 244 VA
On time	100 %
Electrical connection	engine terminal board with bolts M4, cable gland M20 x 1.5 clamping range 7 – 12 mm (0.28 – 0.47 in)
Ground connection / Potential equalization	stator and bracket min. 4 mm² (12 AWG)
Fusing	115 V: on-site overtemperature protection required 230 V: suitable ex motor-protective circuit breaker required on site 0.4....0.63 A

FEED CURVE



DIMENSIONS

dimensions in mm



ORDER CODES

Part No.	Description
K8533127	JSP-87 Ex explosion proofed sample gas membrane pump, 7.5 NI/min, 115 VAC 50...60 Hz ±5 %
K8533128	JSP-87 Ex explosion proofed sample gas membrane pump, 7.5 NI/min, 230 VAC 50...60 Hz ±5 %
K1906715	Ex motor-protective circuit breaker 0.4...0.63 A