


TECHNICAL DATA SHEET

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| PRODUCT | PU-GBD186-L**/options |  |
| SERIES | Single Stage Double Acting Air operated, high flow gas booster compressors offer a flexible and efficient source for delivering high pressure gases. | |

FEATURES

- Infinitely variable output pressure and flow
- Will hold static pressure without generating heat or consuming power
- Standard models are suitable for various gases
- Well proven and trouble-free operation
- Designed for ease of maintenance
- Low cost servicing
- Robust construction

PERFORMANCE DATA

| | |
|--|--|
| Max Rated Output Pressure | 21,000psi (1,448bar) |
| Displacement Per Cycle | 3.0 in ³ (49.2cc) |
| Max Flow | 16.4 scfm (464 NI/min) |
| Max Air Supply Pressure | 100psi (7bar) |
| Ratio | 15 : 1 |
| Air Consumption | 120 scfm (3,400 NI/min) |
| Supply Pressure to Achieve Max Output Pressure | 2,400psi (165bar) |
| Actual Output Pressure (Stall Condition) | 186 x (Air drive pressure) + (Supply pressure) |

SEAL MATERIAL

| | |
|-------------------|-------|
| Main Seals | MoS2 |
| Check Valve Seals | Viton |

CONSTRUCTION

| | |
|------------------|---|
| Air Motor | Anodised Aluminium / Nitrile (Buna-N) Seals |
| Gas Cylinder | 17-4PH |
| Piston | 17-4PH + Chrome Finish |
| Check Valves | Stainless Steel |
| Pilot Air Valves | Brass / Stainless Steel Internals / Nitrile (Buna-N) Seals / Stainless Steel Silencer |
| L1** (standard) | Copper Air Inlet & Plated Steel Silencer |
| L2** (optional) | Stainless Steel Air Inlet & Silencer |

CONNECTIONS

| | |
|------------------|--------------|
| Gas Inlet | 3/8" NPT(F) |
| Gas Outlet | 1/4" HP(F) |
| Air Inlet | 3/4" NPT(F) |
| Pilot Air Supply | 1/8" BSPP(F) |
| Net Weight | 50kg (110lb) |

COMMON OPTIONS (BUT NOT LIMITED TO)

| | |
|-----|---|
| / A | ATEX - Zone 1 Category II |
| / F | Panel mount digital stroke counter (non ATEX) |
| / G | Panel mount pneumatic stroke counter |

GENERAL LAYOUT DRAWING

Model: PU-GBD186

