Technical Data Sheet

Gas booster DLE 30-75

Technical Data:
- Air drive pressure pL: 1-10 bar / 14.5 - 145psi
- Pressure ratio i: 1.30 / 1.75
- Compression ratio: 1.50
- Stage pressure ratio: 1.2.5
- Minimum suction pressure pA: 15 bar
- Maximum suction pressure pA: 12* air drive pressure pL
- Maximum outlet pressure pB: 1,500 bar
- Displacement volume/double stroke: 60 cm³
- Maximum cycles: 120 / min
- Stall pressure: PB = 75* pL + 75/30*pA

Standard Connections:
- Air drive: 3/4 BSP
- DLE 30-75 (-GG) Inlet/Outlet: 1/4BSP
- Maximum operating temperature: 100°C
- Net weight: 19 kg
- Pressure and flow performances, please see enclosed graph.

Materials of construction hp section DLE 30-75:
- Standard seal package: PTFE, Viton
- Compressor head: 1.4305
- HP cylinder: 1.4542
- HP piston: 1.4305
- Fittings: 1.4305
- Balls: 1.4034
- Springs: 1.4310

Approximate Dimensions:
- Length: 620 mm
- Width: 181 mm
- Height: 233 mm

Available Options:
- Inert gas service (standard) DLE 30-75 (-GG)
- Oxygen service: DLE 30-75-GG-S
- CO₂ service: DLE 30-75-GG-C
- In-/Outlet: 9/16-18UNF DLE 30-75-UU
- In-/Outlet: 1/4NPT DLE 30-75-NN

Available Accessories:
- Air control units with filter pressure regulator, control pressure gauge and shut off valve: DLE 30-75 with C2
- To protect the booster against excessive outlet pressures or to limit the outlet pressure, a safety valve can be fitted to the air control unit in the air drive line: DLE 30-75 with C2/SVair (The required outlet pressure has to be indicated.)

Please consult factory for more information. All technical and dimensional information subject to change. All General Terms and Conditions of sale, including limitations of our liability, apply to all products and services sold.
Performance Graph DLE 30 - 75
Drive Pressure 4 bar
Max. Outlet Pressure 1050 bar

- Outlet Flow at Pv = 15 bar
- Outlet Flow at Pv = 20 bar
- Outlet Flow at Pv = 30 bar
- Outlet Flow at Pv = 40 bar
- Air Consumption at Pv = 15 bar
- Air Consumption at Pv = 20 bar
- Air Consumption at Pv = 30 bar

Outlet Pressure (bar)
Outlet Flow (l/min)
Air Consumption (l/min)

Performance Graph DLE 30 - 75
Drive Pressure 6 bar
Max. Outlet Pressure 1050 bar

- Outlet Flow at Pv = 15 bar
- Outlet Flow at Pv = 20 bar
- Outlet Flow at Pv = 30 bar
- Outlet Flow at Pv = 40 bar
- Air Consumption at Pv = 15 bar
- Air Consumption at Pv = 20 bar
- Air Consumption at Pv = 30 bar

Outlet Pressure (bar)
Outlet Flow (l/min)
Air Consumption (l/min)

Performance Graph DLE 30 - 75
Drive Pressure 8 bar
Max. Outlet Pressure 1050 bar

- Outlet Flow at Pv = 15 bar
- Outlet Flow at Pv = 20 bar
- Outlet Flow at Pv = 30 bar
- Outlet Flow at Pv = 40 bar
- Air Consumption at Pv = 15 bar
- Air Consumption at Pv = 20 bar
- Air Consumption at Pv = 30 bar

Outlet Pressure (bar)
Outlet Flow (l/min)
Air Consumption (l/min)