**Product Features**

**Technical Data**
- Number of stages: 2-8
- Operating speed: 3550 rpm
- Casing design pressure: 25 psig
- Inlet connection: 12” (305mm) flange 125lb/150lb ANSI drilled and tapped
- Outlet connection: 10” (254mm) flange 125lb/150lb ANSI drilled and tapped
- Seals: labyrinth (single and double carbon ring available)
- Bearings: 6310/7310 ball, minimum L10 bearing life of ten years per AFBMA
- Lubrication: oil (standard) or grease (option)
- Drains: 3/8 NPT with plugs
- Impeller diameter: 24” (610mm)
- Impeller tip speed: 372 ft/sec (113 m/sec)
- First critical speed: 4266 rpm for maximum stages
- Vibration: 0.23 in/sec

**Accessories**
- Full line of standard and custom electrical control panels for packaged systems – UL and CUL Listed available
- Dissolved oxygen control system
- Flexible sleeve connectors and expansion joints
- Filters and silencers
- Butterfly valves and check valves

**Note:** Specifications may vary and change without notice.

**Materials of Construction**
- Casing and heads: cast iron Class 30
- Tie rods: AISI 1035 carbon steel
- Interstage sealing: silicone rubber
- Shaft: AISI 1144 carbon steel
- Impellers: ASTM A356.0 cast aluminum
- Base: A36 structural steel
- Finish: epoxy primer with urethane topcoat
- Isolation pads: synthetic rubber and cork

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**Rugged, energy efficient multistage blowers and exhausters**

The Power Mizer® Series 4000 employs proven Spencer technology to meet heavy-duty air and gas handling requirements at peak energy efficiency.

Spencer’s multistage centrifugal blowers and exhausters have a long track record of performance. The product line can be paired with Spencer’s variable frequency drives (VFD), operator interface, a variety of control system options, and blower protection devices for optimum energy efficiency. It is ideal for maximum uptime in demanding environments.

Applications include petrochemical refineries/sulfur recovery; mining/flotation; chemical/combustion air or process air; and municipal and industrial wastewater treatment/aeration.

Spencer’s specially engineered aerodynamic components mean smoother, more efficient airflow from blower inlet to discharge. The Power Mizer Series 4000 is a cost-effective solution providing long-term power savings.
**Power Mizer® Series 4000**

**Dimensions:** Shown in inches / (mm)

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**Outlet Position** (As viewed from outlet end)

**Inlet Position** (As viewed from inlet end)

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**Model Number** | **No. of Stages** | **Dimensions** | **Average Weight**
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C42 | 2 | 20.88 (530) | 2083 (11.45) | 291 | 2630 | 1194
C43 | 3 | 25.13 (638) | 82 | 2083 | 7.20 | 183 | 3058 | 1389
C44 | 4 | 29.38 (746) | 82 | 2083 | 2.95 | 75 | 3487 | 1584
C45 | 5 | 33.63 (854) | 99 | 2514 | 7.20 | 183 | 4115 | 1868
C46 | 6 | 37.88 (962) | 99 | 2514 | 2.95 | 75 | 4544 | 2063
C47 | 7 | 42.13 (1070) | 108 | 2743 | 7.20 | 183 | 4997 | 2269
C48 | 8 | 46.38 (1178) | 108 | 2743 | 2.95 | 75 | 5425 | 2463

**Direction of Rotation**

> Spencer may make improvements and dimensional changes to equipment designs based on market trends and requirements.

For product selection assistance, please email marketing@spencer-air.com or visit our website at www.spencerturbine.com to locate the Spencer representative in your area.