Berryman Equipment Company
Your Blower Rebuild Experts
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LAMSON 1250 SERIES TECHNICAL DATA SHEET

DESIGN

Air or gas
Number of stages..... 1-6
Inlet or outlet driven..... Inlet standard
Inlet connection.....12" flange, matches 125# ANSI
Outlet Connection..... 12" flange, matches 125# ANSI
Operating speed..... 3,550 RPM (60 Hz)
Maximum casing pressure..... 25 PSIG (1.72 bar)
Seals (air) ..... Labyrinth type
Seals (gas) ..... Stuffing box type standard; special seals available
Bearings ..... Ball, life per AFBMA spec #B-10
Lubrication ..... grease standard, oil optional
Impeller diameter 25.0 (635.0)
Impeller tip speed ..... 23,235 FPM (7,082m/m)
Direct drive ..... Standard shaft diameter at coupling . 1.875 (47.63)
Vibration tolerance .... 1.25 mils measured in vertical plane at top of bearing housings (.032mm)

STAGE	Weight Machine & Base		WK^2	
1	1,940	(880)	18	(.8)
2	2,380	(1,080)	32	(1.3)
3	2,850	(1,293)	46	(1.9)
4	3,295	(1,495)	60	(2.5)
5	3,895	(1,767)	74	(3.1)
6	4,290	(1,946)	88	(3.7)

CAPACITIES

Blower ..... 1,250-7,250 SCFM, 10.3 PSIG max
2,125-12,750 Sm 3/H, .71 bar
Exhauster ..... 1,250-8,000 ICFM, 12.3" Hg max
2,125-13,600 Im3/H, 312mm Hg

MATERIALS OF CONSTRUCTION

Casing ..... Cast iron ASTM A48 grade 25/30
Bearing housings ..... Cast iron with bronze insert
Bearing caps & oil reservoirs ..... Cast iron
Tie rods ..... Steel
Carbon ring seals ..... Carbon-graphite rings with steel housing (stainless steel is optional)
Gas seals ..... Braided packing
Labyrinth seals ..... Cast iron, with Babbitt insert
Joint sealing compound ..... RTV-Silicone rubber
Shaft ..... Hot rolled carbon steel
Impellers ..... Cast aluminum alloy
Base & Pedestal ..... Steel
Base pads ..... Molded synthetic rubber 0.5 (13) thick

Note:
Dimensions given in inches and (mm). Weights given in lbs and (kg). WK^2 given in lb-ft^2 and (kg-m^2).

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