Berryman Equipment Company
Your Blower Rebuild Experts
Sales & Service Center
www.berrymanequipment.com
1-800-605-0099 • Fax: (630) 543-9827 129 W. Official Rd.
E-mail: info@berrymanequipment.com Addison, IL 60101

LAMSON 600 SERIES
TECHNICAL DATA SHEET

DESIGN

Air or gas
Number of stages..... 1-9 (60&50 Hz)
Inlet or outlet driven..... Inlet standard
Inlet connection..... 6" flange, matches 125# ANSI
Outlet Connection..... 6" flange, matches 125# ANSI
Operating speed..... 3,550 RPM (60 Hz)
2,960 RPM (50 Hz)
Maximum casing pressure..... 15 PSIG (1.03 bar)
Seals (air) .....Labyrinth type
Seals (gas) ..... Stuffing box type standard;
special seals available
Bearings ..... Ball, life per AFBMA spe. #B-10
Lubrication ..... Grease standard, oil optional
Impeller diameter 22.1 (561.3)
Impeller tip speed ..... 20,539 FPM (6,260m/m)
Direct drive ..... Standard shaft diameter
At coupling . 1.875 (47.63)
Indirect drive ... Non-standard (V-belts and sheaves)
Vibration tolerance ... 1.25 mils measured in vertical
plane at top of bearing housing (.032mm)

STAGE	Weight Machine & Base		WK^2	
1	1,150	(522)		
2	1,425	(646)	12	(.5)
3	1,700	(771)	18	(.8)
4	1,975	(896)	24	(1.0)
5	2,250	(1,021)	30	(1.3)
6	2,525	(1,145)	36	(1.5)
7	2,800	(1,270)	42	(1.8)
8	3,075	(1,395)	48	(2.0)
9	3,350	(1,520)	54	(2.3)

CAPACITIES

Blower ..... 400-2,200 SCFM, 11.4 PSIG max
680-3,740 Sm 3/H, .79 bar
Exhauster ..... 400-2,300 ICFM, 13.1" Hg max
680-3,910 Im3/H, 333mm 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).

Hoffman, Lamson, and Gardner Denver are registered trademarks of Gardner Denver, Inc. There is no association between Berryman Equipment Company and Gardner Denver.