



Technical & Performance Data

LAMSON 310 Series

Centrifugal Products

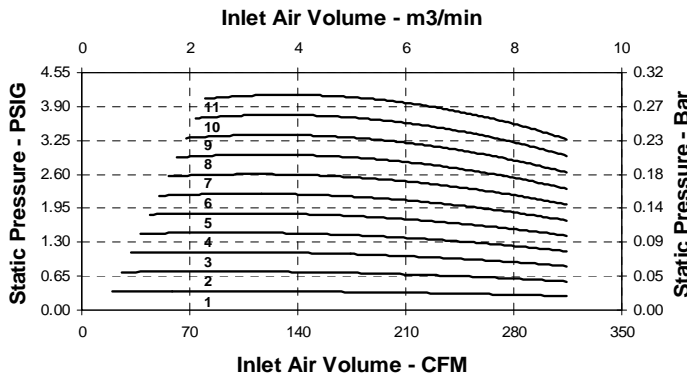
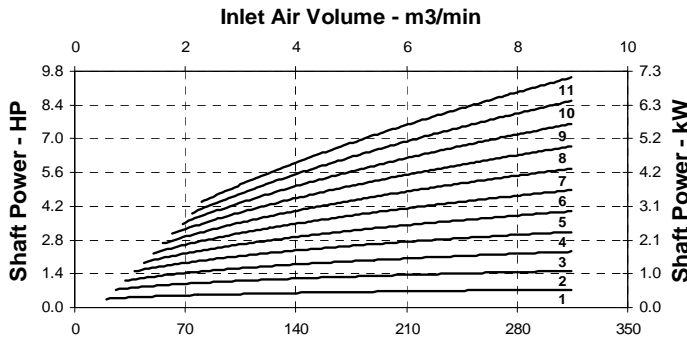
DESIGN STANDARD

Number of Stages	1-11 (60 & 50 Hz)
Inlet Connection	3" Flange, ANSI 125# Drilling
Outlet Connection	3" Flange, ANSI 125# Drilling
Operating Speed	3550 RPM (60 Hz), 2925 RPM (50 Hz)
Casing Pressure	20 PSIG (1.38 bar)
Air Seals	Labyrinth Type
Bearings	Anti-friction, designed for extended L ₁₀ life
Lubrication	AEON [®] CF Grease
Impellers	14.5 inches (368 millimeters) Diameter (statically balanced)
Impeller Tip Speed	221 feet/second (67 meters/second)
Drive Type	Direct Coupled (Inlet drive is standard)
Drive Shaft	1.125 inches (29 millimeters) Diameter
Vibration	.235 in/sec. (5.97 mm/sec.) Peak Velocity
Rotor	Balanced Per ISO 1940, ANSI S2.19

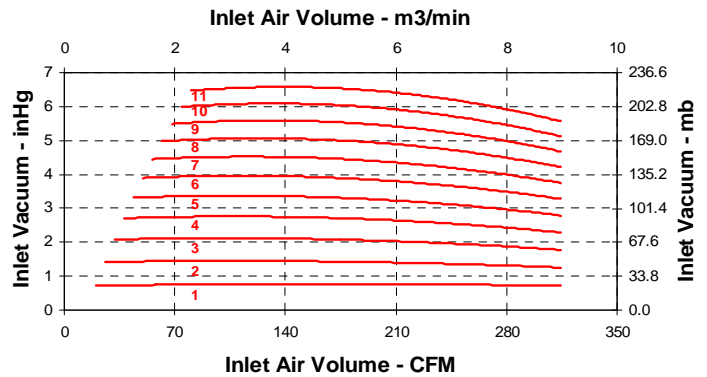
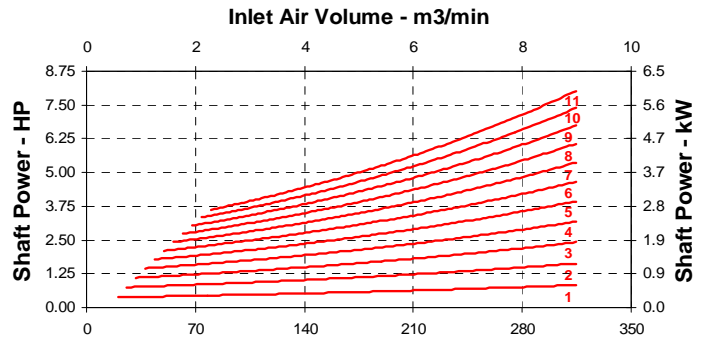
MATERIAL STANDARD

Casing	ASTM A48 Class 30 Gray Cast Iron
Bearing Housings	ASTM A48 Class 30 Gray Cast Iron
Bearing Housing Inserts	ASTM B505 Bearing Grade Bronze
Bearing Cap	ASTM A48 Class 30 Gray Cast Iron
Tie Rods	ASTM F1554 GR.36 Zinc Plated Thrd. Rod
Labyrinth Seal	ASTM B86 Z35631 Alloy Zinc Aluminum 12
Joint Sealing	RTV Silicone Compound
Shaft	ASTM A322 Grade 4140CT Hot Rolled Steel - <i>Stainless Steel Optional</i>
Impeller	ASTM SC64C Sr-319 Cast Aluminum
Blower Base	ASTM A36 Hot Rolled Structural Steel
Motor Pedestal	ASTM A36 Hot Rolled Structural Steel
Isolation Base Pads	Suitable Resilient Material
Finish	Universal Primer - Acrylic Topcoat

PRESSURE PERFORMANCE 14.7 PSIA [1 Bar], 68°F [20°C], 36% RH, Speed: 3550 RPM



VACUUM PERFORMANCE 29.9 inHg [1 Bar], 68°F [20°C], 36% RH, Speed: 3550 RPM



PRODUCT NOTES

- Information is approximate and subject to change without notice
- Performances noted above are typical and not job specific
- Consult authorized Hoffman/Lamson sales representative for job specific blower or exhauster performance sizing
- Factory ASME PTC-10 test offered for performance verification

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