



Technical & Performance Data LAMSON 550 Series Centrifugal Products

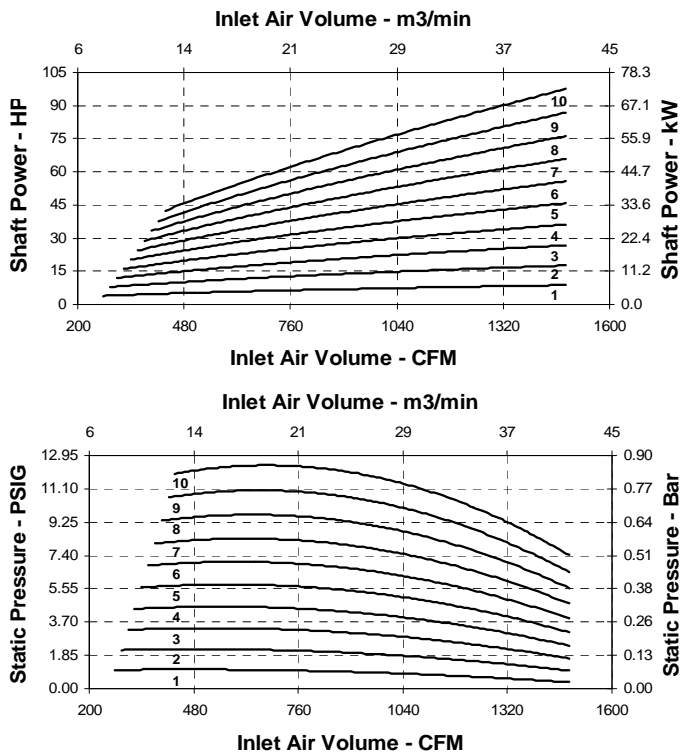
DESIGN STANDARD

Number of Stages.....	1-10 (60 & 50 Hz)
Inlet Connection.....	6" Flange, ANSI 125# Drilling
Outlet Connection.....	5" Flange, ANSI 125# Drilling
Operating Speed.....	3550 RPM (60 Hz), 2925 RPM (50 Hz)
Casing Pressure.....	25 PSIG (1.73 bar)
Air Seals.....	Labyrinth Type - <i>Carbon Ring Optional</i>
Bearings.....	Anti-friction, designed for extended L ₁₀ life
Lubrication.....	AEON [®] CF Grease – <i>Oil Optional</i>
Impeller.....	22.0 inches (559 millimeters) Diameter (statically balanced)
Impeller Tip Speed.....	338 feet/second (103 meters/second)
Drive Type.....	Direct Coupled (Inlet drive is standard)
Drive Shaft.....	1.625 inches (41.28 millimeters) Diameter
Vibration.....	.235 in/sec. (5.97 mm/sec.) Peak Velocity
Rotor.....	Balanced Per ISO 1940, ANSI S2.19

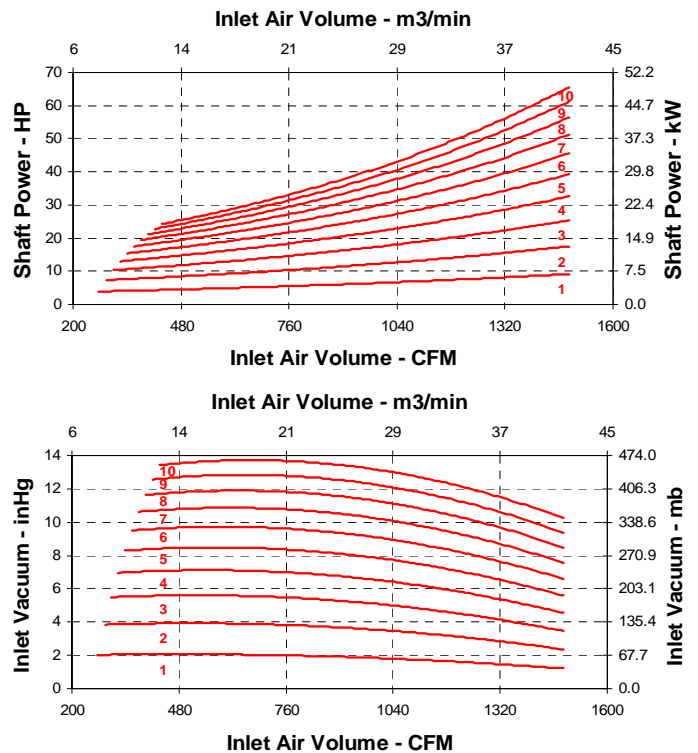
MATERIAL STANDARD

Casing.....	ASTM A48 Class 30 Cast Iron
Bearing Housings.....	ASTM A48 Class 30 Cast Iron
Bearing Cap.....	ASTM A48 Class 30 Cast Iron
Tie Rods.....	ASTM F1554 GR.36 Zinc Plated Thrd. Rod
Labyrinth Seal.....	ASTM B86 Z35631 Alloy Zinc Aluminum 12
<i>Carbon Ring Seal Optional</i>	ASTM C695 Fine Grain Molded Graphite
Joint Sealing.....	RTV Silicone Compound
Baffle Rings.....	ASTM A240 Grade 304 Stainless Steel
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 Top Coat

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

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

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