Effectively handles fumes, dust & toxic gases

LAB-K®

Fume Extraction Fans

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Application

The Lab-K centrifugal fan is constructed from corrosion-resistant materials and designed for duct mounting, provide utmost reliability wherever dust, fumes, contaminated air, toxic or corrosive gases are to be handled, have a low noise level and are easily maintained. An integrated extraction system is an essential component of a Fume Cupboard Management System.

Housing

Housing shall be constructed of High Density Polyethlene for corrosion resistance and able to stand UV attack when fan was installed outdoor or exposed to direct sunlight for long period. Housing was one piece moulded to completely avoid leaking. Housing reversible and rotatable to any of the 8 standard discharge position.

Impeller / Wheel / Rotor

The impeller is a forward curved multi-blade one piece injection moulded by Polypropylene incorporating a steel reinforced hub.The design ensures that there is no contact in between corrosive gases and the steel shaft or impeller hub.

Motor

The standard motor fitted is a TEFC foot cum flange B35 motor, class F, IP55, 415/3/50Hz. Motor weather cowl to be provided for outdoor installation. Standard fan is direct drive. The motor rating is matched to airlow requirement, drive speed of 1400 rpm or 2800 rpm.

General Precautions

Do not connect the ductwork directly to the fan inlet. Fan should be connected to ductwork with flexible connector to reduce vibration and noise.

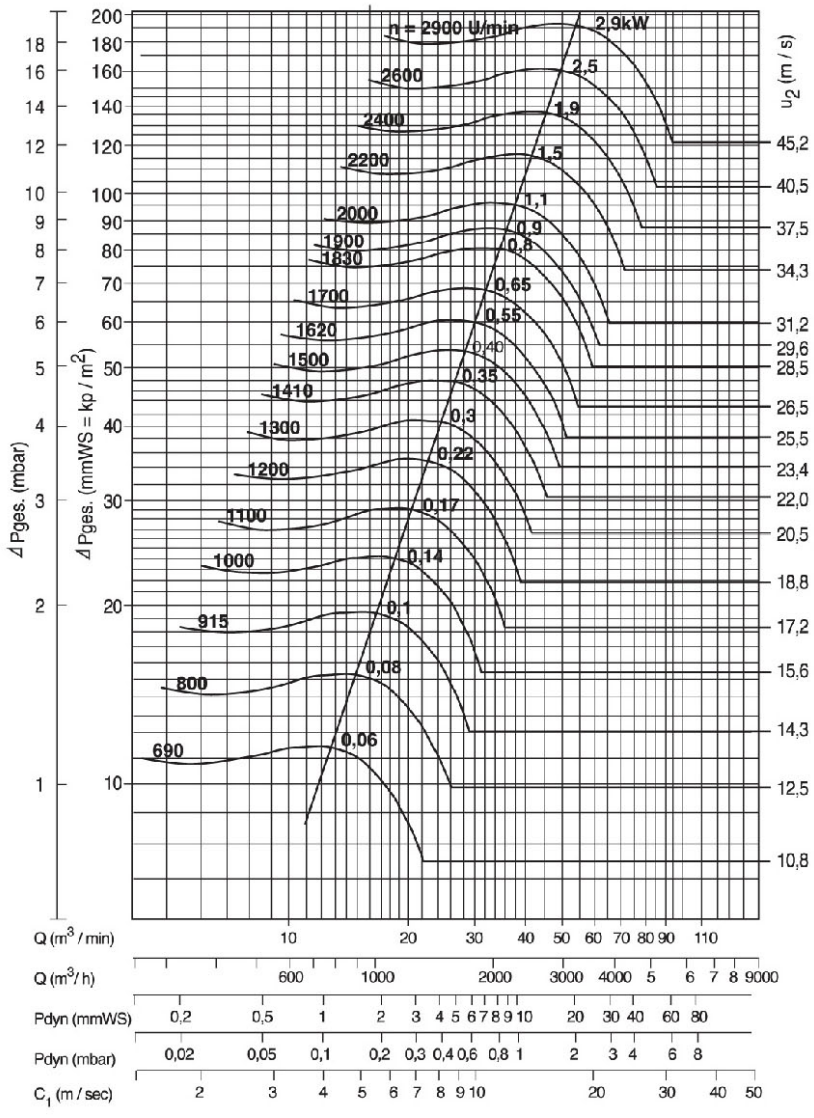
If exhaust stack are mounted on the fan outlet, the weight of the stack must be supported by ductwork bracket.

If rain water can enter the fan housing, a drain hose should be fitted at the lowest point of the housing.

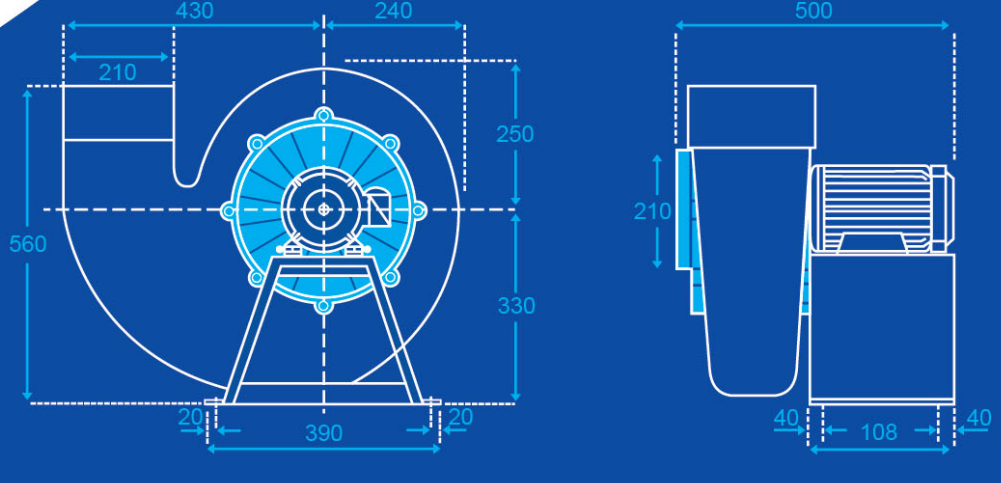
Housing is one piece moulded to completely avoid leaking.

RN250 Low Pressure Centrifugal Fan Characteristic Curves

1 mbar (Millibar) = 100 N/m^2 (Newton-Meter) = 100 Pa(Pascal)
1 mm ws = 0,09807 mbar (Millibar)

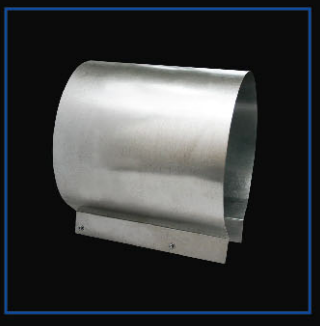


Dimension



Accessories

Fan Bracket



Motor Cowl

PP Impeller

Fan Casing

Fan With Motor Cowl

B35 Foot cum Flange Motor

KL Lab Supplies Sdn Bhd 718086-W
No 11, Jalan Anggerik Mokara 31/61, Kota Kemuning, Seksyen 31, 40460 Shah Alam, Selangor, Malaysia.
Tel: +603 5121 5141 / 5122 5141 Fax: +603 5121 5163 Website: www.kllab.com Email: info@kllab.com