



## SQUARE INLINE FAN, BELT DRIVEN



### Brief Description

Fan housing is made of galvanized sheet steel with G90. Formed as a square duct, for direct installation into air ducts. The single inlet, backward curved high efficiency impeller made from sea-waterproof aluminum, mounted onto the drive shaft, equipped with airflow optimized inlet cone from aluminum sheet. The wheel is statically and dynamically balanced according to G2.5as per ISO Standard No. 1940. Pre-wired totally enclosed motor class F, IP55 and 50°C ambient. Shaft turned, ground, polished and rust protected, pre-lubricated ball bearings with cast-iron casing are designed for basic rating life (L10) of at least 40,000 hours.

### FAN Technical Data

Model Name	ISQ-500-2.2-B
Air Volume (cfm)	4000
Static/Total Pressure (in Wg)	1.46/1.51
Dynamic Pressure (in Wg)	0.05
Outlet Velocity (m/s)	9.61
Static/Total Efficiency	42/43
Fan Speed (rpm)	1320
Fan Absorbed Power (kW)	1.65



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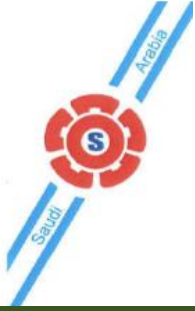
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رقم السجل التجاري : 1010820008

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#### Accessories

Filter Box 1 Inch

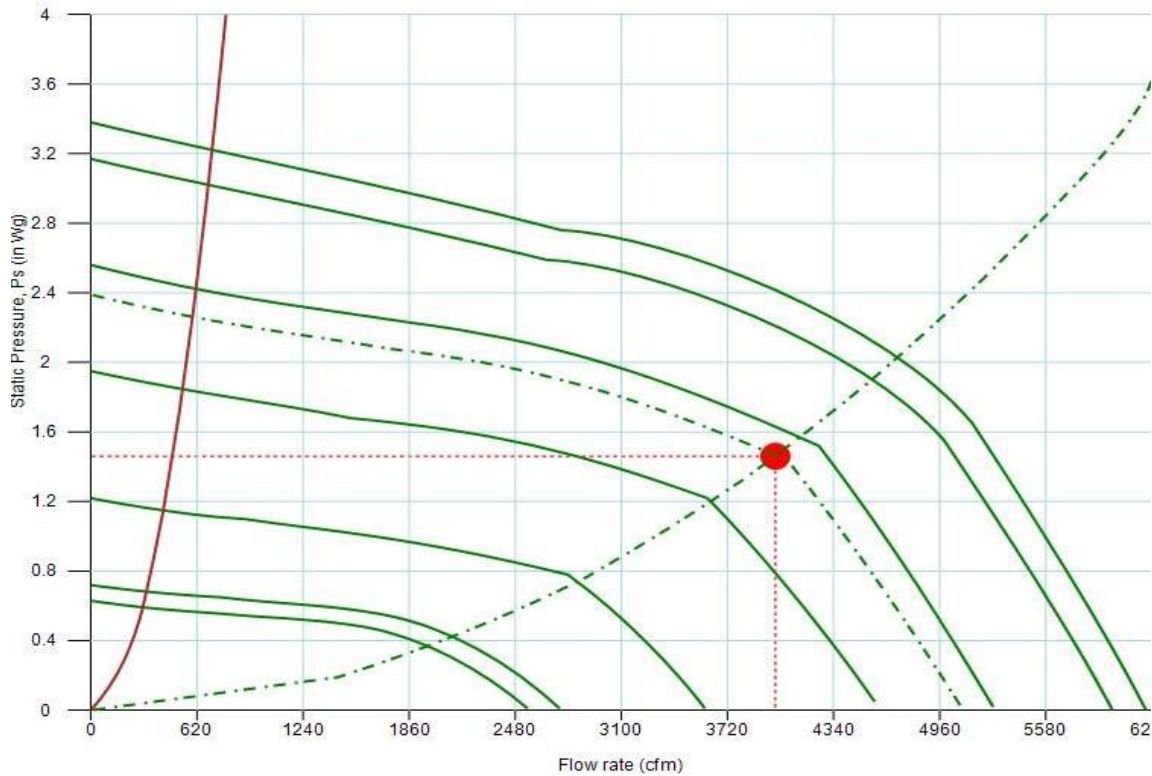
#### Motor Technical Data

Motor Power (kW)	2.2
Motor Speed (rpm)	1725
Power Supply	380V/3/60Hz

#### Sound Data

Hz	63	125	250	500	1000	2000	4000	8000	Total
LwA (dBA)	55	67	74	77	80	80	73	64	85

#### Fan Performance Curve



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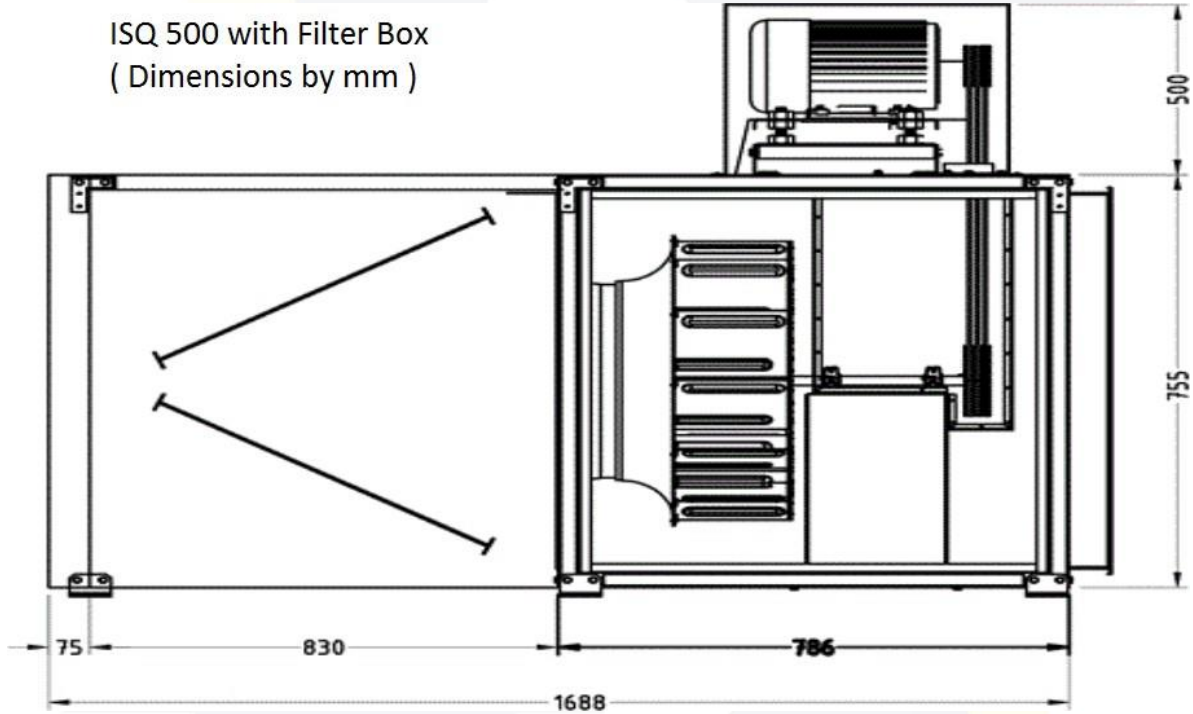
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## Fan Drawing & Dimensions

ISQ 500 with Filter Box  
( Dimensions by mm )



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