



Jet Fan

DUCTLESS VENTILATION SYSTEM

Car parks and large sheltered passageways require sufficient ventilation to discharge harmful air pollution or to move stagnant hot air, and it is these ventilation criteria that created the conventional ductwork systems seen today. Conventional ventilation ductwork systems comprise of long lengths of ducts that distribute fresh air, and/or extract polluted air. Using the already proven tunnel ventilation system technology, Jet Fan ventilation systems is an innovative new approach to do away with cumbersome ducts that branch and snake across the ceiling. Jet Fan ventilation employs the principle of adding momentum to the air thereby thrusting it towards a pre-designated extraction point.

The benefits of ductless ventilation systems

- Air flow direction can be controlled thru a control unit
- Easy installation and maintenance
- Eliminates stagnant air pockets
- Increases headroom
- Reduces ducting design time and costs

FEATURES

The primary criteria of a Jet Fan, is to attain maximum efficiency at optimum thrust. Using OST innovation and superior manufacturing techniques, and applying them to advanced German technology, we emphasize efficiency over large power consuming motors in thrusting OST Jet Fan. As a result, OST in-house Design and Research & Development teams have specifically designed the OST Jet Fan to cater for such applications. When coupled in series with multiple OST Jet Fan units, it's versatility offers an enhanced performance by working in tandem, even in most demanding of ventilation applications.

A special blade profile was selected for use in the OST Jet Fan, which is an essential part of optimising a fan's performance with low noise. The selected blade profile can achieve high thrust levels over extended use at high speeds, without sacrificing any integrity.

WE ARE:

DESIGNERS with form and function in mind, and excel in efficiency

MANUFACTURERS offering a high standard of quality, utilising economical premium materials

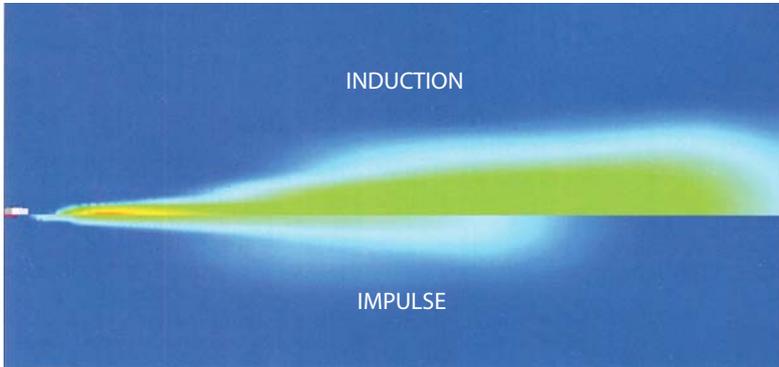
TESTERS with fully accredited superior in-house facilities to attain high levels of accuracy and an aptitude for investigative knowledge

With 20 years of experience behind us, we pride ourselves in technology with service and support

IMPULSE AND INDUCTION JET FAN

OST offers both Impulse and Induction Jet Fans to cater for all Jet Fan requirements. Induction Jet Fans offer a newer generation of Jet Fan technology, which provide more advantages over Impulse Jet Fans.

- Lower built-in height
- Higher achievable thrust, which reduces the number of Jet Fans required
- Easier installation



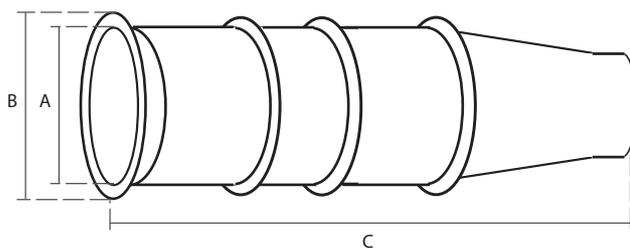
CFD displaying the thrust produced by Induction Jet Fan is greater, compared to Impulse Jet Fan.

FAN SPECIFICATIONS

MODEL	IMPULSE JETFAN		INDUCTION JETFAN	
	IPJ30	IPJ40	IDJ35	IDJ50
THRUST (Newton)	13 / 4	38 / 12	23 / 8	55 / 16
MOTOR POWER (kW)	0.55 / 0.18	1.5 / 0.55	0.25 / 0.18	1.15 / 0.79
VOLTAGE (Volts/Phases/Hz)	415 / 3 / 50	415 / 3 / 50	415 / 3 / 50	415 / 3 / 50
FULL LOAD CURRENT (Amp)	1.32 / 0.65	3.35 / 1.32	1.45 / 0.84	8.6 / 2.9
FAN SPEED (RPM)	2880 / 1440	2880 / 1440	1330 / 1030	1330 / 1040
SOUND LEVEL (dBA@3.0m)	47 / 41	55 / 50	62 / 48	70 / 54
DISCHARGE VELOCITY (m/s)	12 / 4	16 / 6	27 / 11	35 / 16
WEIGHT (kg)	43	62	43	76

* available in single phase at extra cost

IMPULSE JETFAN

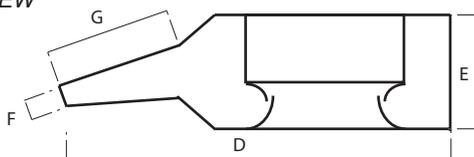


	A	B	C
IPJ30	315	550	1050
IPJ40	400	700	1350

* All dimensions are in mm

INDUCTION JETFAN

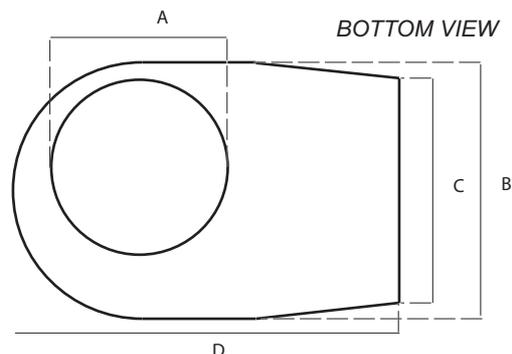
SIDE VIEW



	A	B	C	D	E	F	G
IDJ35	350	560	500	850	260	50	266
IDJ50	500	780	700	1180	380	70	520

* All dimensions are in mm

BOTTOM VIEW



* OST reserves the right to alter any fan specifications without prior notice.