



Technical Data - Fan Model LC045J2-A6/24

Location: Ø450 Enviro

Designation: 012S-0450-FDS

Performance - Required

Air Flow : 2.00 m³/s
 Static Pressure : 500 Pa
 Selection Pressure: 500 Pa
 Installation Type: TYPE D
 Air Density: 1.204 kg/m³
 • Atmos. Temp: 20 °C
 • Altitude: 0 m
 • Humidity: 0.0 %

Actual

Air Flow: 2.02 m³/s
 Static Pressure: 510 Pa
 Total Pressure: 608 Pa

Fan Data

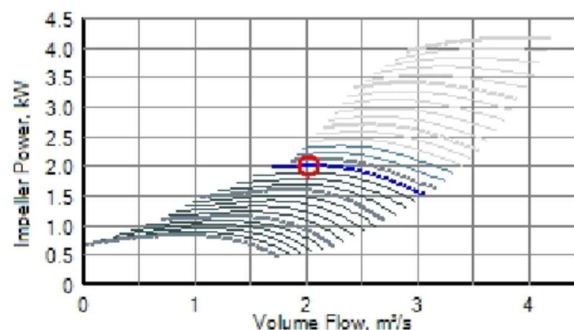
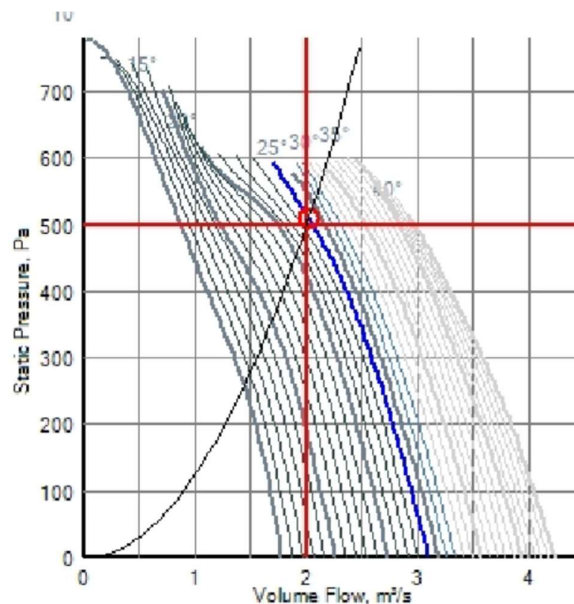
Catalogue Code: LC045J2-A6/24
 (LC045-M-IE3-3-090-2.2-2-131-24-RA6)
 Description: Long-Cased Axial

Diameter: 450 mm Hub: 131 mm
 Impeller Type: Axial Pitch: 24°
 Blade Material: Aluminium Blades: 6

 Speed: 2880 r/min @50 Hz Form: B
 Power, Abs: 2.00 kW Peak: 2.00 kW
 Input Power: 2.31 kW
 Efficiency Total: 61.4% Static: 51.6%
 SFP: 1.15
 Fan Weight: 45.1 kg

Motor Data (at STP)

Motor Type: Standard (IE3)
 Electrical Supply: 400V 3ph 50Hz
 Motor Frame: 90L
 Motor Power: 2.20kW
 FLC/Start (DOL): 4.43A / 33.23A
 Motor Speed: 2 pole
 Motor Efficiency: 86.5%



Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	94	87	91	91	90	88	85	82	99	74
Outlet (dB):	94	86	90	87	88	87	84	84	98	73

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.



Technical Data - Fan Model LC045J2-A6/24

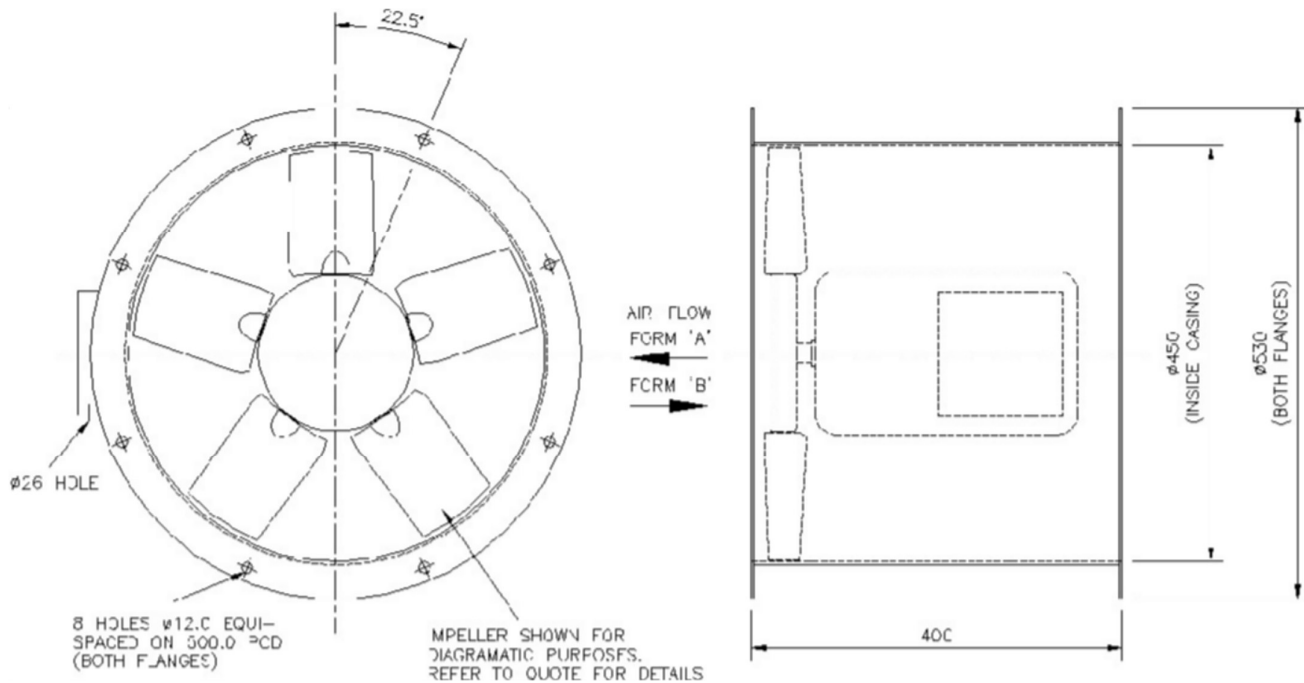
Location: Ø450 Enviro

Designation: 012S-0450-FDS

Energy Related Product Data

		At Maximum Efficiency Point	
Overall Efficiency:	44.8%	Input Power:	2.30 kW
Measurement Category:	C	Air Flow:	1.89 m³/s
Efficiency Category:	Static	Pressure:	544 Pa
FMEG:	48	Speed:	2880 r/min
Specific Ratio:	1		

Drawing for Fan Model LC045J2-A6/24



Version 6.21.28.21.28

Copyright © 2010-2010-19 Elta Group