



Technical Data - Fan Model LCS063P2-A3/21

Location: Ø630 Smoke

Designation: 014S-0630-FDS

Performance - Required

Air Flow : 5.00 m³/s
 Static Pressure : 410 Pa
 Selection Pressure: 533 Pa
 Installation Type: TYPE D
 Air Density: 1.204 kg/m³
 • Atmos. Temp: 20 °C
 • Altitude: 0 m
 • Humidity: 0.0 %

Actual

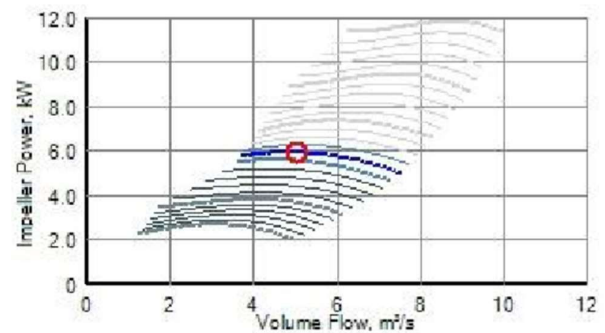
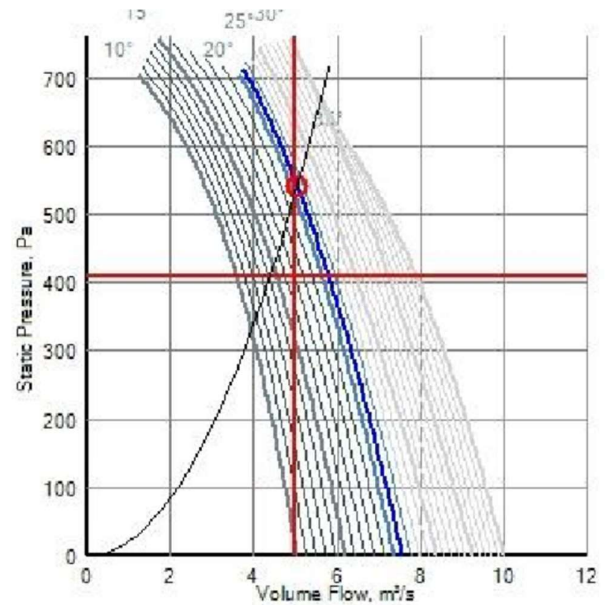
Air Flow: 5.04 m³/s
 Static Pressure: 542 Pa
 Total Pressure: 699 Pa

Fan Data

Catalogue Code: LCS063P2-A3/21
 (LCS063-717-IE3-132-5.5-2-255-38-RA3)
 Description: LCS - Long-Cased Smokevent Axial Fan
 Diameter: 630 mm Hub: 255 mm
 Impeller Type: Axial Pitch: 21°
 Blade Material: Aluminium Blades: 3
 Speed: 2880 r/min @50 Hz Form: B
 Power, Abs: 5.94 kW Peak: 5.95 kW
 Input Power: 6.60 kW
 Efficiency Total: 59.4% Static: 46.0%
 SFP: 1.32
 Fan Weight: 104.9 kg

Motor Data (at STP)

Motor Type: F300 (IE3)
 Electrical Supply: 400V 3ph 50Hz
 Motor Frame: 132S
 Motor Power: 6.60kW (AOM) (5.50kW IEC)
 FLC/Start (DOL): 12.24A (AOM) / 89.15A (10.20A FL IEC)
 Motor Speed: 2 pole
 Motor Efficiency: 90.0%



Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	99	100	100	99	97	94	90	90	107	81
Outlet (dB):	97	106	94	94	93	93	87	85	107	78

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

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Energy Related Product Data

Overall Efficiency: 42.5%
 Measurement Category: C
 Efficiency Category: Static
 FMEG: 43
 Specific Ratio: 1

At Maximum Efficiency Point

Input Power: 6.59 kW
 Air Flow: 4.42 m³/s
 Pressure: 633 Pa
 Speed: 2880 r/min

Drawing for Fan Model LCS063P2-A3/21

