



Technical Data - Fan Model LCS071L2-A6/20

Location: Ø710 Smoke

Designation: 014S-0710-FDS

Performance - Required

Air Flow : 6.00 m³/s
 Static Pressure : 500 Pa
 Selection Pressure: 692 Pa
 Installation Type: TYPE D
 Air Density: 1.204 kg/m³
 • Atmos. Temp: 20 °C
 • Altitude: 0 m
 • Humidity: 0.0 %

Actual

Air Flow: 6.00 m³/s
 Static Pressure: 693 Pa
 Total Pressure: 832 Pa

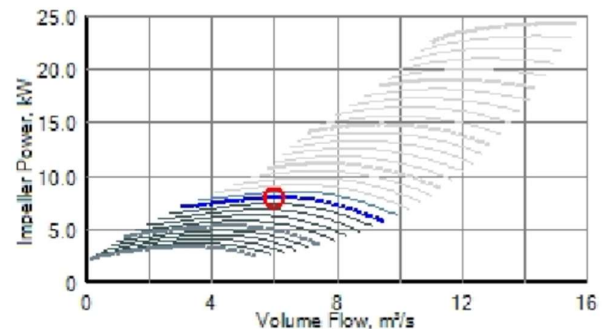
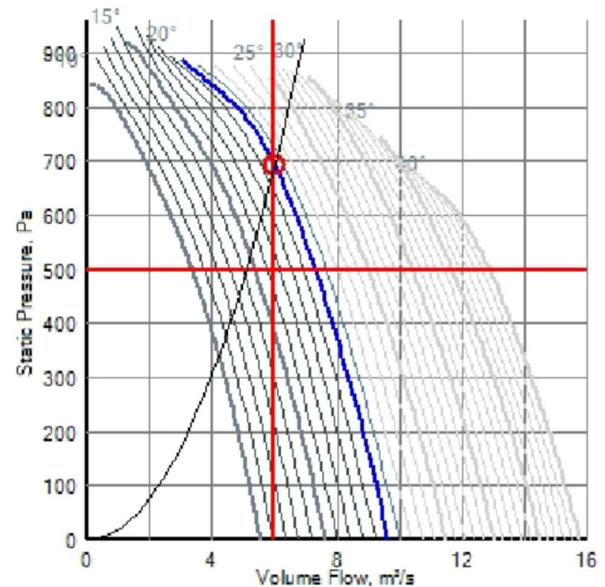
Fan Data

Catalogue Code: LCS071L2-A6/20
 (LCS071-717-IE3-132-7.5-2-181-38-RA6)
 Description: Long-Cased Smoke

Diameter: 710 mm Hub: 181 mm
 Impeller Type: Axial Pitch: 20°
 Blade Material: Aluminum Blades: 6
 Speed: 2880 r/min @50 Hz Form: B
 Power, Abs: 7.95 kW Peak: 7.96 kW
 Input Power: 8.83 kW
 Efficiency Total: 62.8% Static: 52.4%
 SFP: 1.47
 Fan Weight: 113.9 kg

Motor Data (at STP)

Motor Type: F300 (IE3)
 Electrical Supply: 400V 3ph 50Hz
 Motor Frame: 132S
 Motor Power: 9.00kW (AOM) (7.50kW IEC)
 FLC/Start (DOL): 16.68A (AOM) / 119.96A (13.90A FL IEC)
 Motor Speed: 2 pole
 Motor Efficiency: 90.1%



Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	98	100	103	105	105	104	101	98	112	90
Outlet (dB):	101	99	101	104	105	105	101	99	112	90

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

		At Maximum Efficiency Point	
Overall Efficiency:	47.2%	Input Power:	8.81 kW
Measurement Category:	C	Air Flow:	5.84 m³/s
Efficiency Category:	Static	Pressure:	712 Pa
FMEG:	47	Speed:	2880 r/min
Specific Ratio:	1		

Drawing for Fan Model LCS071L2-A6/20

