

Technical Data Sheet

LCS071L2-A6/20



Certification

- ⊗ ISO 5801:2007 (Airside Performance)
- ⊗ BS 848 Part 2:1985 (Sound Performance)
- ⊗ BS ISO 13347-2:2004 (Reverberation Room Method)

- ⊗ BSEN 12101-3:2015 – Legislation outlining test procedure to ensure fans are suitable to be used in the event of an emergency, in this instance 300°C for 2 hours
- ⊗ ISO 5801:2007 (Airside Performance)
- ⊗ BS 848 Part 2:1985 (Sound Performance)
- ⊗ BS ISO 13347-2:2004 (Reverberation Room Method)

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Technical Data

Performance - Required		Actual	
Air Flow	6.00 m ³ /s	Air Flow	6.01 m ³ /s
Static Pressure	500 Pa	Static Pressure	693 Pa
Selection Pressure	692 Pa	Total Pressure	832 Pa
Installation Type	TYPE D		
Air Density	1.204 kg/m ³		
Atmos. Temp.	20 °C		
Altitude	0 m		
Humidity	0.0 %		

Fan Data

Catalogue Code	LCS071L2-A6/20 (LCS071L-A6_717-IE2-132-7.5-2)		
Description	LCS – Long-Cased Smoke		
Diameter	710 mm	Hub	181 mm
Impeller Type	Axial	Pitch	20°
Blade Material	Aluminium	Blades	6
Speed	2880 RPM @ 50 Hz	Form	B
Power, Abs:	7.95	Peak	7.93
Efficiency Total	62.9%	Static	52.4%
SFP	1.51		
Fan Weight	103.9 kg		

Motor Data (at STP)

Motor Type	F300 (IE2) W	
Electrical Supply	400V 3ph 50Hz	
Motor Frame	132S	
Motor Power	9.00kW (AOM)	(7.50kW IEC)
FLC/Start (DOL)	17.04A (AOM) /80.09.A	(14.20A FL IEC)
Motor Speed	2 Pole	
Motor Efficiency	87.8%	

Sound Data

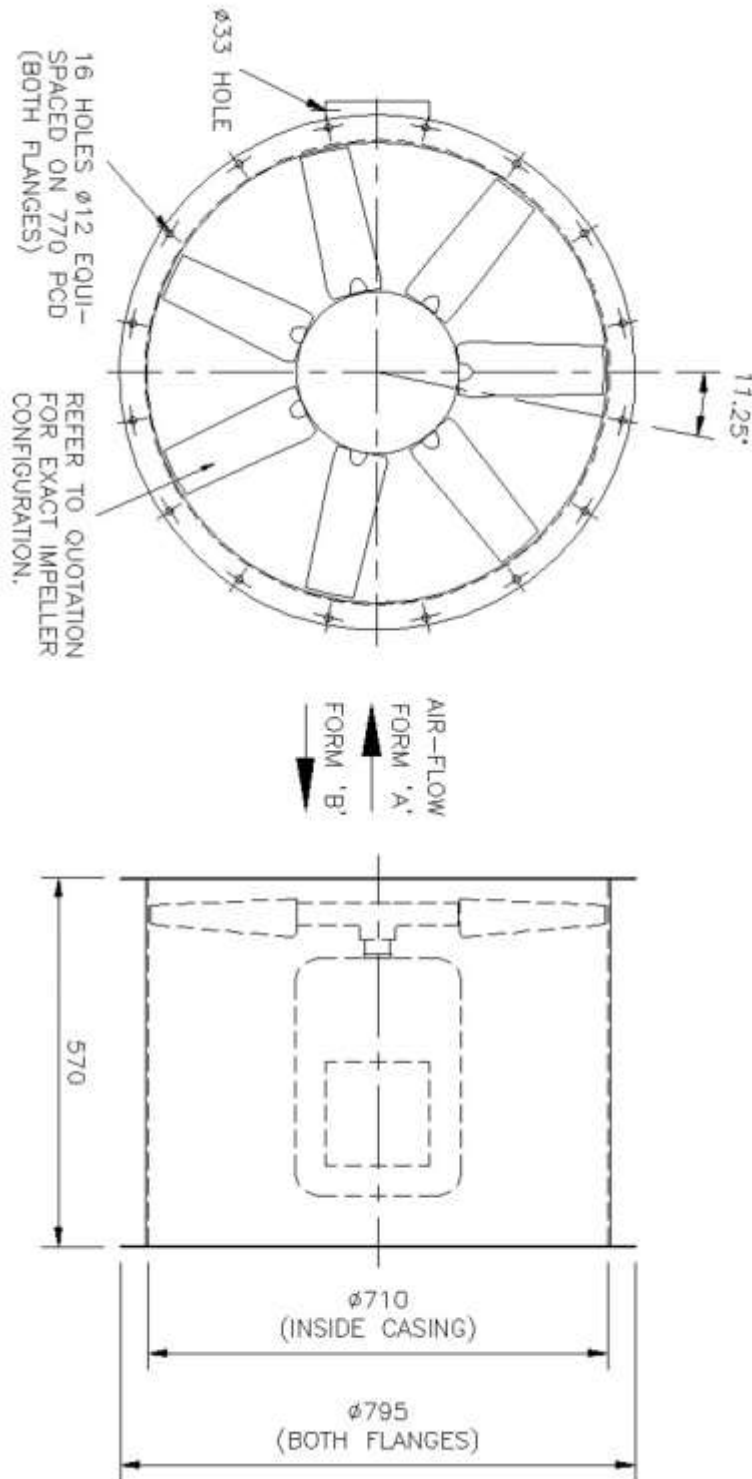
Spectrum (Hz)	63	125	250	500	1k	2k	4k	8k	dBW	dB(A) @ 3m
Inlet (dB)	98	100	103	105	105	104	101	98	112	90
Outlet (dB)	101	99	101	104	105	105	101	99	112	90

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

Technical Data

Energy Related Product Data		At Maximum Efficiency Point	
Overall Efficiency	46.0%	Input Power	9.03 kW
Measurement Category	C	Airflow	5.80 m ³ /s
Efficiency Category	Static	Pressure	716 Pa
FMEG	46	Speed	2880 r/min
Specific Ratio	1		

Drawing for Fan model LCS071L2-A6/20



Technical Graphs

