

Smoke Extract Rooftop Smoke Extract Fans Data Sheet

2 No. Smoke extract fans arranged run and stand by in series.

Diameter:	630 mm	Hub:	251 mm
Impeller Type:	Axial	Pitch:	18°
Blade Material:	Aluminium	Blades:	6
Speed:	2880 RPM @50 Hz	Form:	B
Power, Abs:	5.43	Peak:	5.46
Efficiency Total:	58.8%	Static:	48.3%
SFP:	1.38		
Fan Weight:	75.0 kg		

Motor Data (at STP)

Motor Type:	F300 (IE2) W		
Electrical Supply:	400V 3ph 50Hz		
Motor Frame:	112M		
Motor Power:	6.05kW (AOM)	(5.50kW IEC)	
FLC/Start (DOL):	11.77A (AOM) / 78.11A	(10.70A FL IEC)	
Motor Speed:	2 pole		
Motor Efficiency:	87.1%		

Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	93	94	98	97	96	90	88	82	103	79
Outlet (dB):	93	94	97	96	94	88	86	81	102	78

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

