

Car Park Fans Induction Thrust Fan (60Hz)



ITF 100 64-8

Induction Thrust Fan



Introduction

The induction thrust car park fan from Woods, features a high efficiency centrifugal impeller driven directly by a specially designed compact two speed induction motor, which makes this product especially suitable for low height car parks. The induction fan can be used for a general ventilation duty/pollution control and hot smoke extraction for temperatures up to 300°C (572°F) for a duration of 2 hours. This product is tested and certified to ISO 13350:2015 (Air Performance), and EN12101-3:2015 (High Temperature).

Construction Details

The Induction Thrust Fan features a two speed, AC, IP55 motor, of the totally enclosed type, manufactured from cast iron, which allows our product to provide day-to-day pollution control (at the low-speed duty) and a rapid hot smoke extraction duty during an emergency condition. The fan casing and ceiling mount bracket are both manufactured from galvanised steel to provide product longevity and reliability. There is an externally mounted terminal box (or electrical isolator) which is pre-wired to the drive motor and offers a quick and hassle-free installation process. To provide enhanced safety, the unit is also fitted with an inlet protection guard. The impeller is fabricated from steel and is balanced to grade G6.3 (in accordance with ISO 14694:2003, Category BV-3) to minimise vibration.



Fläkt Woods Limited, trading as Woods Air Movement, certifies that our 100N ITF product shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.



Scan the QR Code to view our AMCA certification.

Technical Parameters

Model	ITF 100 64-8
Fan Description	Uni Directional, Induction Thrust
Flow Rate*	2.4 / 1.17 m ³ /s
Thrust	96 / 23 N
Fan Speed	1735 / 855 rpm
Shaft Power	3.15 / 0.38 kW
Air Density	1.2 kg/m ³
Emergency Rating	300°C / 2 hours

* The AMCA Certified ratings Seal applies to airflow rate at free delivery only.

Motor Details

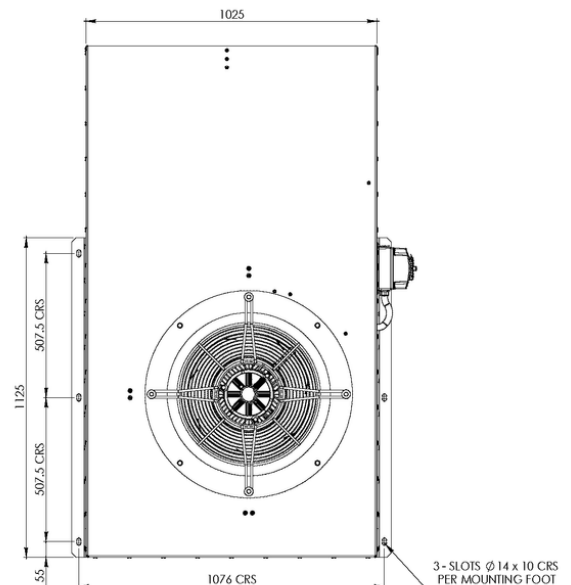
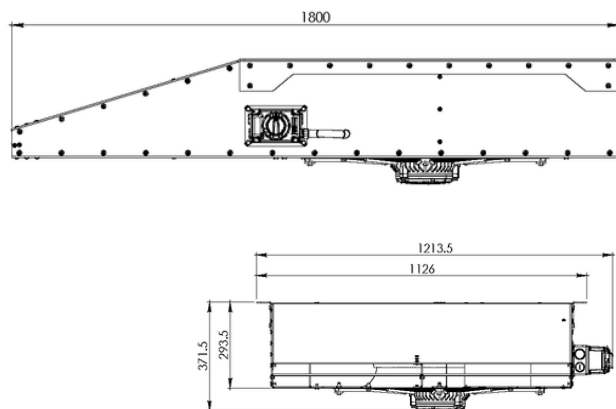
Frame Size	100L
Motor Rating	3.2 / 0.8 kW
Full Load Current	7.0 / 3.0 A
Starting Current	49.4 / 12.6 A
Electrical Supply	400 V / 60 Hz / 3 ph
Start Type	Direct
Control	Two Speed
Efficiency	83.0 / 71%



Sound Data for Combined Inlet and Outlet levels Details

									Sound Power	Sound Pressure
Acoustic Spectrum									Overall Levels	Overall Levels
Octave Centre Frequency (Hz)	63	125	250	500	1K	2K	4K	8K	L _{wA}	L _{pA}
Half Speed	: 107	101	92	83	80	75	73	71	89	68
Full Speed	: 99	111	103	97	96	94	89	88	102	81

Dimensional Details



All dimensions are in mm.

Approximate Fan Weight: 165 KG

Notes:

Induction Fans are fitted with terminal boxes or isolators.

Sound Power Level, L_w = dB re 10⁻¹² W

Sound pressure level, L_{pA} = dB re 2 x 10⁻⁵ Pa, provided for comparative purposes at a distance of 3m, based on spherical propagation in free field conditions.

Please note that sound is not AMCA certified.

Woods Air Movement delivers smart and energy efficient Air Movement and Fire Safety solutions to support every application area. We offer our customers innovative technologies, high quality and outstanding performance. The widest range of Air Movement and Ventilation products in the market, and strong market presence with over 100 years of experience and manufacturing of products, guarantees that we are always by your side, ready to deliver Excellence in Solutions.

**Contact our friendly sales team today
for more information**

Call: +44 (0) 1206 222 555

**Email: quotations.woods@flaktgroup.com
www.woodsairmovement.com**

August 2023

