Description

The AC Direct Drive Fans from Torin-Sifan comprise a range of impeller sizes from 241 mm to 381 mm.

All of the metal components that make up the Direct Drive fan are produced within our press shop, including side housings, wraps and impellers, prior to arriving at the assembly process where the impellers are balanced and the products are engineered together.

A key feature of the services that Torin-Sifan offers is our ability to design non-standard and application-specific fans. This means that we optimise our products to suit your application, rather than you having to compromise your application to suit our product.

The types of applications that these high-flow fans are typically suited to include: ventilation units, air handling units, air curtains, commercial heating units and heat recovery.

Fan cases and impellers are manufactured from corrosion resistant galvanised steel.

Typical Specifications & Features

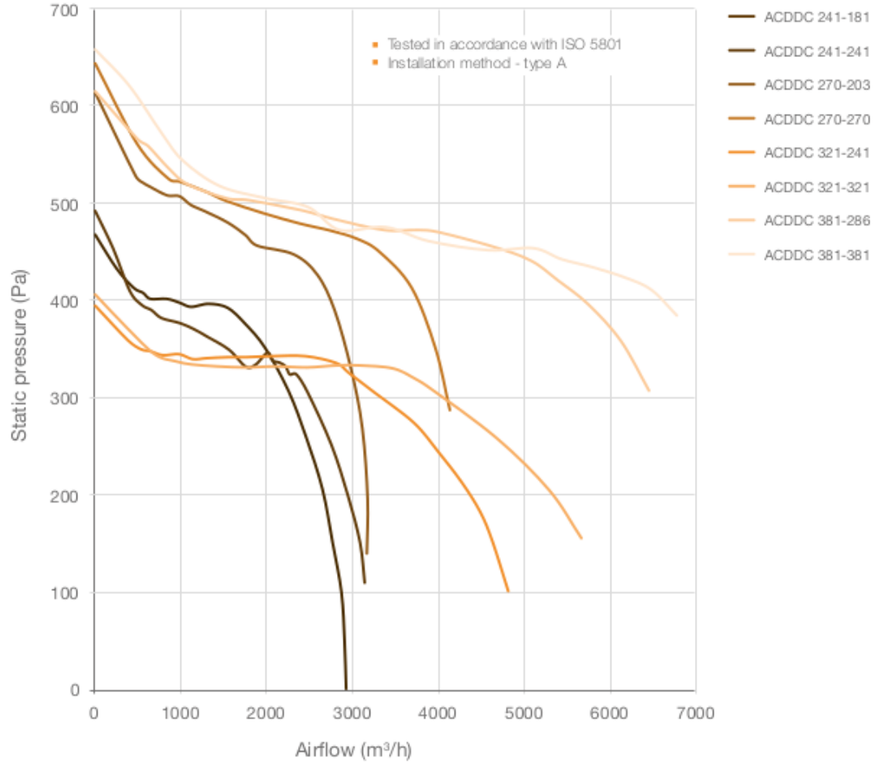
Technical Data	
Mode of Operation	Continuous
Supply Voltage	230 V (single-phase models) 400 V (three-phase models)
Supply Frequency	50 Hz
Flash Test	1800 V for 3 seconds
Protection	Thermal protector 160 °C ± 10 °C
Motor Protection	IP10 through to IP31
Motor Insulation Class	F
Operational Temperature	-20 °C to +40 °C
Material - Housing - Impeller - Motor	Galvanised steel Galvanised steel Cast/extruded aluminium
Mounting - Motor	In airstream
Bearings	Sealed for life ball
Balance Grade	G6.3 or better
Standards - LVD	EN 60335-1 EN60335-2-80

torin-sifan
The Partner of Choice

ACDDC Single-Phase range summary

	ACDDC 241-181 (9/7)	ACDDC 241-241 (9/9)	ACDDC 270-203 (10/8)	ACDDC 270-270 (10/10)	ACDDC 321-241 (12/9)	ACDDC 321-321 (12/12)	ACDDC 381-286 (15/11)	ACDDC 381-381 (15/15)
Technical Data								
Supply (V/Ph/Hz)	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max Airflow (m^3/h)	2933	3148	3175	4133	4816	5667	6390	6782
Max Current (A)	5.0	4.7	6.4	8.8	6.8	8.0	9.8	10.0
Max Input Power (W)	1060	970	1268	1754	1420	1610	2070	2200
Max Speed (rpm)	1472	1475	1464	1481	991	992	986	986
ErP Efficiency Rating (FMEG)	45	44	44	44	45	44	44	44
IP Rating	31	10	30	10	10	10	10	10
Motor Insulation Class	F	F	F	F	F	F	F	F
Temperature Range (°C)	-20 to +40	-20 to +40	-20 to +40	-20 to +40	-20 to +40	-20 to +40	-20 to +40	-20 to +40

ACDDC Single-Phase Consolidated Graph – Test Power Supply: 230V 50Hz



Innovate360©