



MICROMOTORS SWITZERLAND

Motor Type AC CENTRIFUGAL FORWARD CURVED FAN 133 x 190 36B**Code:** 30.97331**Project code:** P5019

Supply			Poles	Speed	Stator	Impeller Type
230 V	50/60 Hz	~ 1	2	1	M35	Centrifugal Forward Curved Blade double inlet + scroll

Nominal Data

Note: 3D image provided for information purposes only.

Nominal voltage	[V]	230
Frequency	[Hz]	50/60
Speed	[rpm]	2420
Power input	[W]	170
Current draw	[A]	0.81
cos φ	[-]	0.91
Max Efficiency (stat A)	[%]	32.8
Efficiency Grade (N)	[-]	44.0
Capacitor	[μF]	8
	[V]	400

**Technical Features**

	50 Hz	60 Hz	Temperature Rise		
Max. operating temperature [°C]	70	50	Test Setup @ 244 V		
[°F]	158	122	50 Hz	60 Hz	
Min. operating temperature [°C]	-30		Working Point @ 700m³/h		
[°F]	-22		ΔT Main [K]	53	82
Air flow @ 0 Pa [m³/h]	980		ΔT Aux [K]	63	86
Thermal protector	Automatic Reset		Working Point		
Insulation class	F		ΔT Main [K]	47	56
Motor bearing	Ball bearing		ΔT Aux [K]	62	80
Protection level	IP33				
Product compliant to	CE; EN 60335-1				
Approval	CSA on request				
	VDE on request				
Rotation (seen on rotor side)	Clockwise				
Impeller size (Ø x h) [mm]	133 x 190 36B				
Impeller material	Metal				
Weight [kg]	4.22				
Cable lenght [mm]	400				
Condensate discharge holes (on rotor side)	NO				
ERP compliant	ERP 2015				

This document may be subject to change without prior notice. Pictures for information only.

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CEBI MICROMOTORS SWITZERLAND S.A.

VIA CANTONALE 5, CH-6855 STABIO, SWITZERLAND

TEL. +41 (0)91 641 5111 FAX +41 (0)91 641 5298 EMAIL: info.ch@cebi.com WEBSITE: www.cebi.com

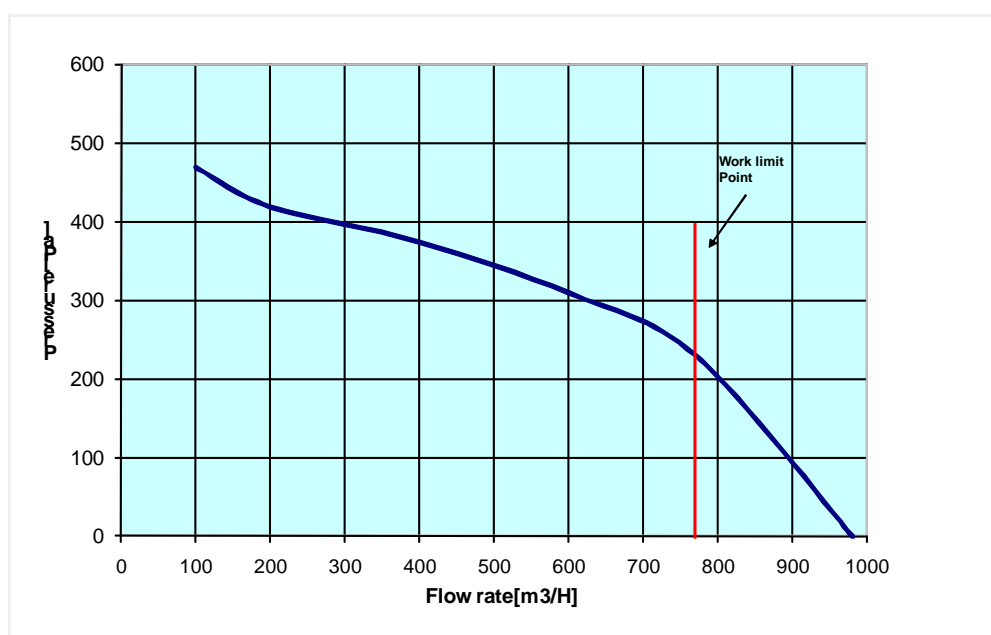
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Air flow performance at 230V 50Hz

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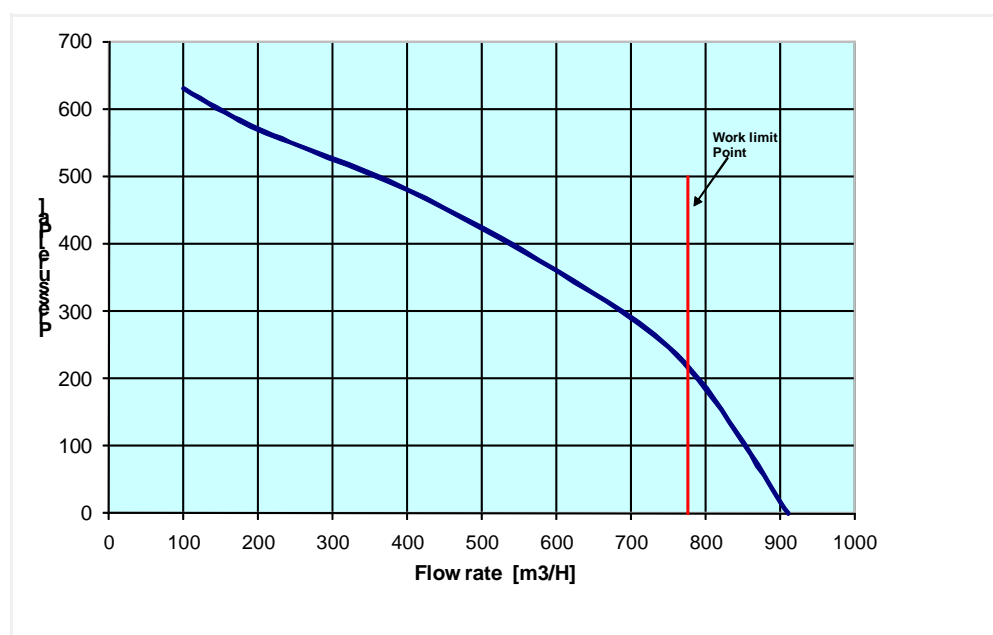
TEST SETUP:
Scroll CEBI 133x190

Supply		Speed	Power	Current	Efficiency	Flow rate	Pressure	Flow rate	Pressure
[V]	[Hz]	[rpm]	[W]	[A]	[%]	[m³/h]	[Pa]	[cfm]	[in_H₂O]
230	50	2740	125	0.65	10.4	100	470	59	1.887
230	50	2600	148	0.73	28.2	400	375	235	1.506
230	50	2420	170	0.81	30.4	600	310	353	1.245
230	50	1450	232	1.00	0.0	980	0	577	0.000
230	50	0	251	1.09	Locked rotor test				



Air flow performance at 230V 60Hz

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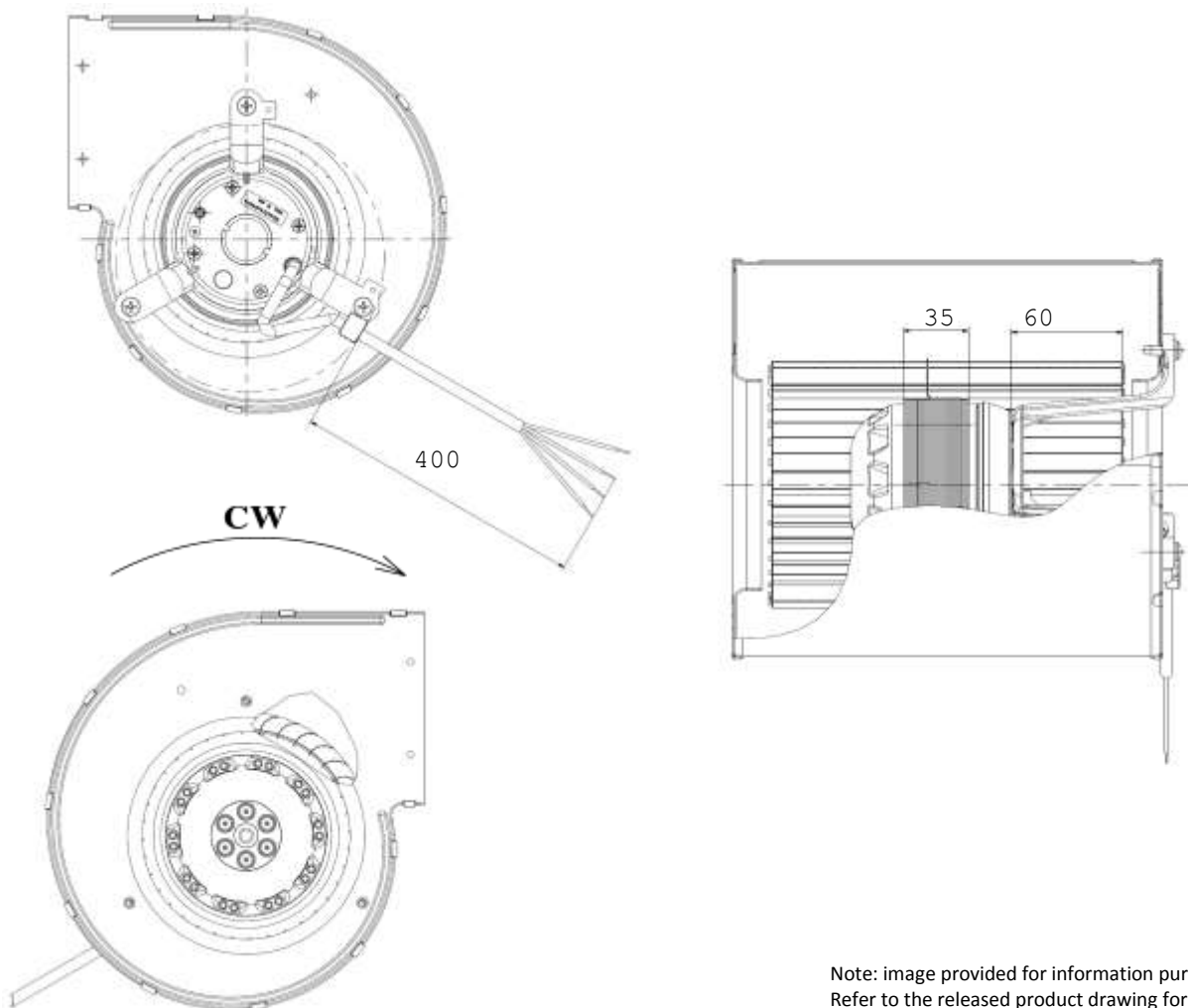


TEST SETUP:
Scroll CEBI 133x190

Supply		Speed	Power	Current	Efficiency	Flow rate	Pressure	Flow rate	Pressure
[V]	[Hz]	[rpm]	[W]	[A]	[%]	[m³/h]	[Pa]	[cfm]	[in_H₂O]
230	60	3135	188	1.00	9.3	100	630	59	2.529
230	60	2940	208	1.04	25.6	400	480	235	1.927
230	60	2615	226	1.06	26.5	600	360	353	1.445
230	60	1350	250	1.10	0.0	910	0	536	0.000
230	60	0	257	1.13	Locked rotor test				

Overall Dimensions

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Note: image provided for information purposes only.
Refer to the released product drawing for all the
dimensions and components not specified in this
technical datasheet.

Wiring Diagram

