

**Motor Type** AC CENTRIFUGAL FORWARD CURVED FAN 146 x 194

**Code:** 20-580258

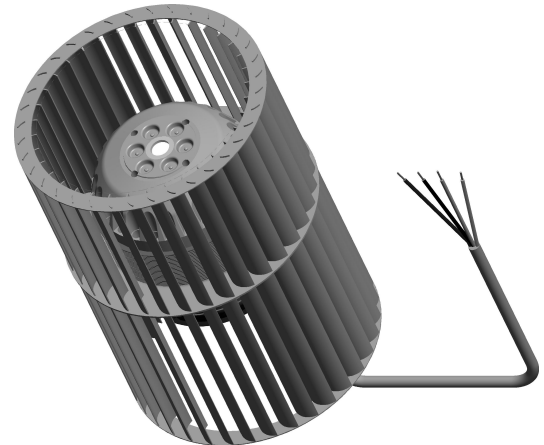
**Project code:** P5136

Supply		Poles	Speed	Stator	Impeller Type	
230 V	50 Hz	~ 1	2	1	M42	Centrifugal Forward Curved Blade double inlet

**Nominal Data**

Note: 3D image provided for information purposes only.

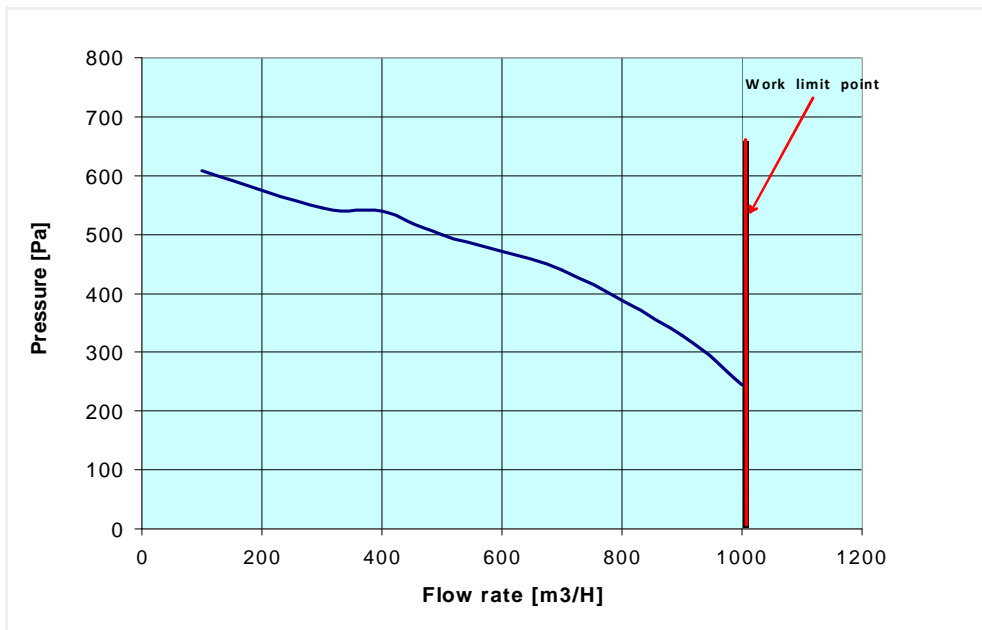
Nominal voltage	[V]	230
Frequency	[Hz]	50
Speed	[rpm]	2450
Power input	[kW]	0.23
Current draw	[A]	1.08
cos φ	[-]	0.93
Max Efficiency ( stat A )	[%]	37.0
Efficiency Grade ( N )	[-]	47.4
Capacitor	[μF]	10
	[V]	400



**Technical Features**

	50 Hz	
Max. operating temperature	[°C]	50
	[°F]	122
Min. operating temperature	[°C]	-30
	[°F]	-22
Air flow @ 245 Pa	[m³/h]	1000
Thermal protector	Automatic Reset	
Insulation class	F (cable B)	
Motor bearing	Ball bearing	
Protection level	IP33	
Product compliant to	CE; EN 60335-1	
Approval	CSA on request	
	VDE on request	
Rotation (seen on rotor side)	Counterclockwise	
Impeller size (Ø x h)	[mm]	146 x 194
Impeller material	Metal	
Weight	[kg]	2.76
Cable length	[mm]	320
Condensate discharge holes (on rotor side)	YES	
ERP compliant	ERP 2015	

Temperature Rise		
Test Setup @ 244 V	50 Hz	
Scroll @ 1000m3/h limit point		
ΔT Main	[K]	87
ΔT Aux	[K]	85
Working Point		
ΔT Main	[K]	50
ΔT Aux	[K]	60



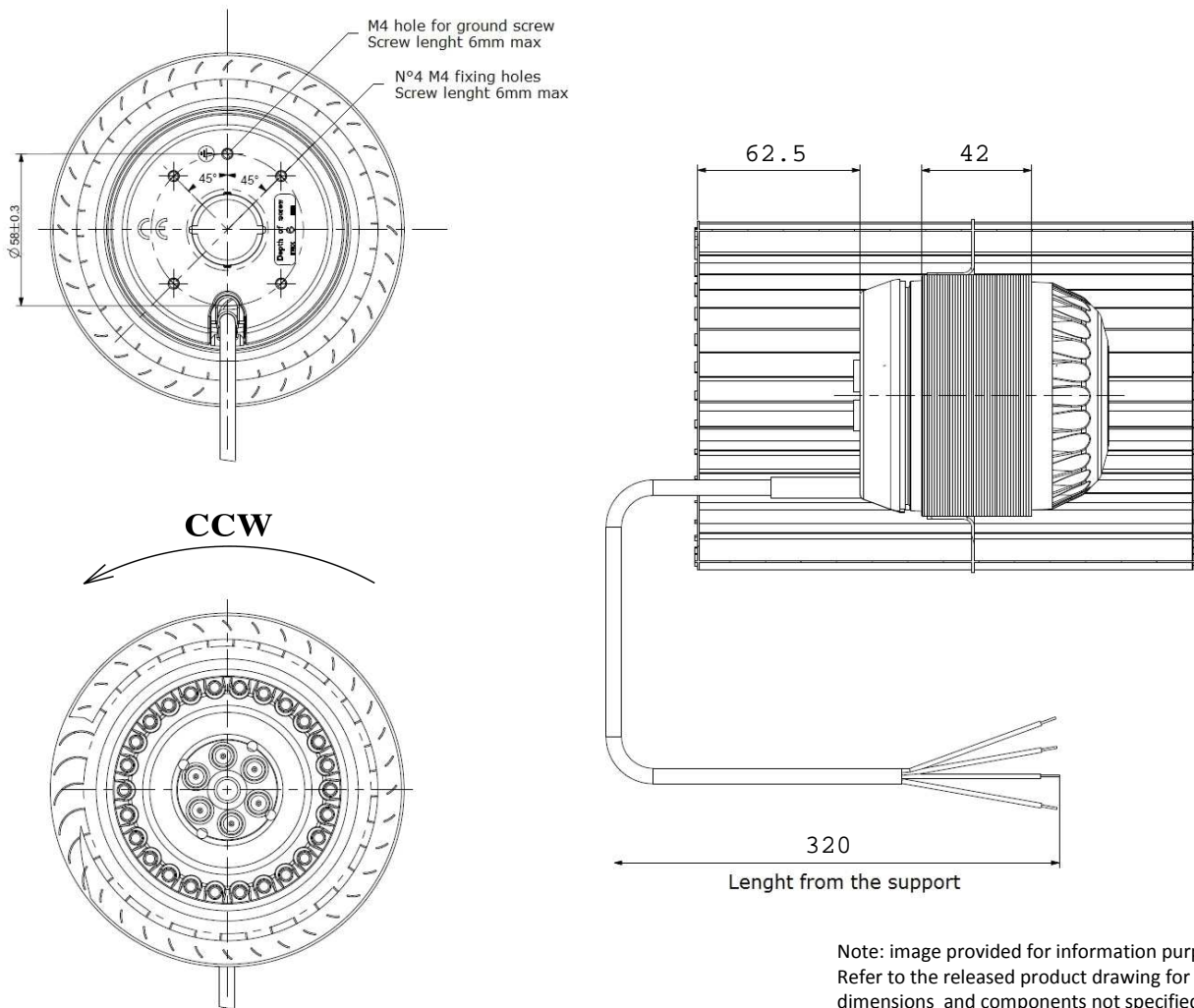
**PLEASE NOTE:**

Do not work above 1000m<sup>3</sup>/h

**TEST SETUP:**

Customer scroll

Supply		Speed	Power	Current	Efficiency	Flow rate	Pressure	Flow rate	Pressure
[V]	[Hz]	[rpm]	[W]	[A]	[%]	[m <sup>3</sup> /h]	[Pa]	[cfm]	[in_H <sub>2</sub> O]
230	50	2770	154	0.77	11.0	100	608	59	2.441
230	50	2650	185	0.90	32.4	400	540	235	2.168
230	50	2450	231	1.08	37.0	700	440	412	1.766
230	50	2050	297	1.33	22.9	1000	245	589	0.984
230	50	0	397	1.70	Locked rotor test				



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

