

**Motor Type** AC CENTRIFUGAL BACKWARD CURVED FAN 220 x 44

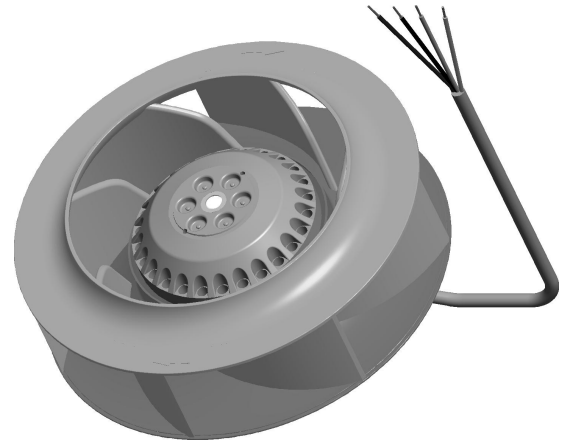
**Code:** 30.97274

**Project code:** P8729

Supply			Poles	Speed	Stator	Impeller Type
220-240 V	50/60 Hz	~ 1	2	1	M20	Centrifugal Backward Curved Blade single inlet

## Nominal Data

Nominal voltage	[V]	220-240
Frequency	[Hz]	50/60
Speed	[Rpm]	2575
Power input	[W]	75
Current draw	[A]	0.35
cos φ	[-]	0.97
Max Efficiency ( stat A )	[%]	22.2
Efficiency Grade ( N )	[-]	44.5
Capacitor	[uF]	3
	[V]	400



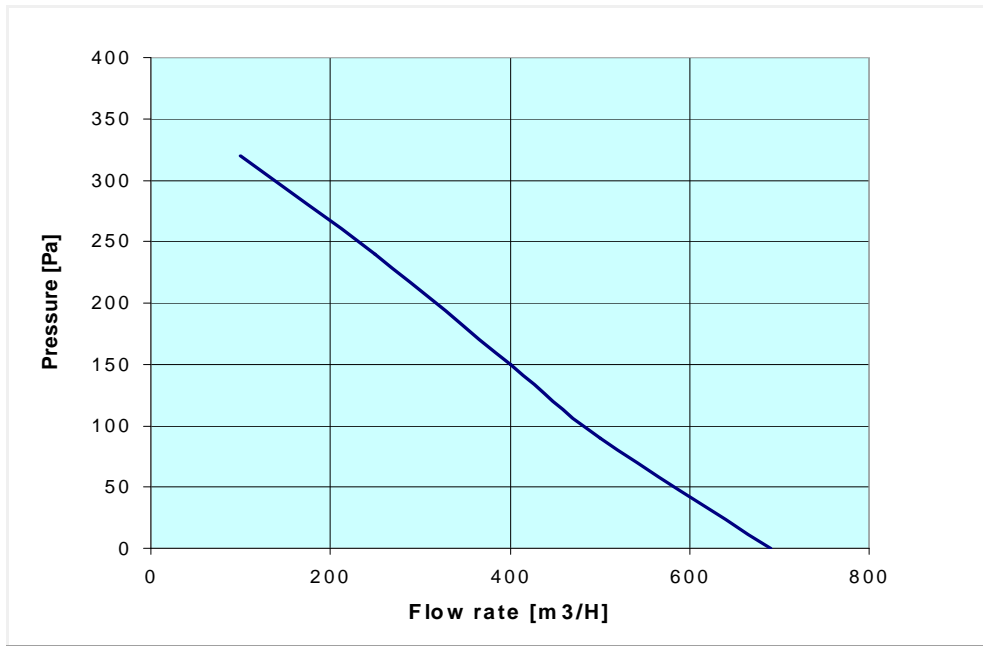
## Technical Features

	50 Hz	60 Hz
Max. operating temperature [°C]	65	60
[°F]	149	140
Min. operating temperature [°C]	-30	
[°F]	-22	
Air flow @ 0 Pa [m³/h]	690	
Thermal protector	Automatic Reset	
Insulation class	F	
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)	Clockwise	
Impeller size (Ø x h) [mm]	220 x 44	
Impeller material	Plastic	
Weight [kg]	1.66	
Cable length [mm]	460	
Condensate discharge holes (on rotor side)	NO	
ERP compliant	ERP 2015	

Temperature Rise			
Test Setup @ 254 V	50 Hz	60 Hz	
Scroll f.a.			
ΔT Main	[K]	58	60
ΔT Aux	[K]	68	73
Working Point			
ΔT Main	[K]	54	60
ΔT Aux	[K]	60	69

**Air flow performance at 220V 50Hz**

**P8729**

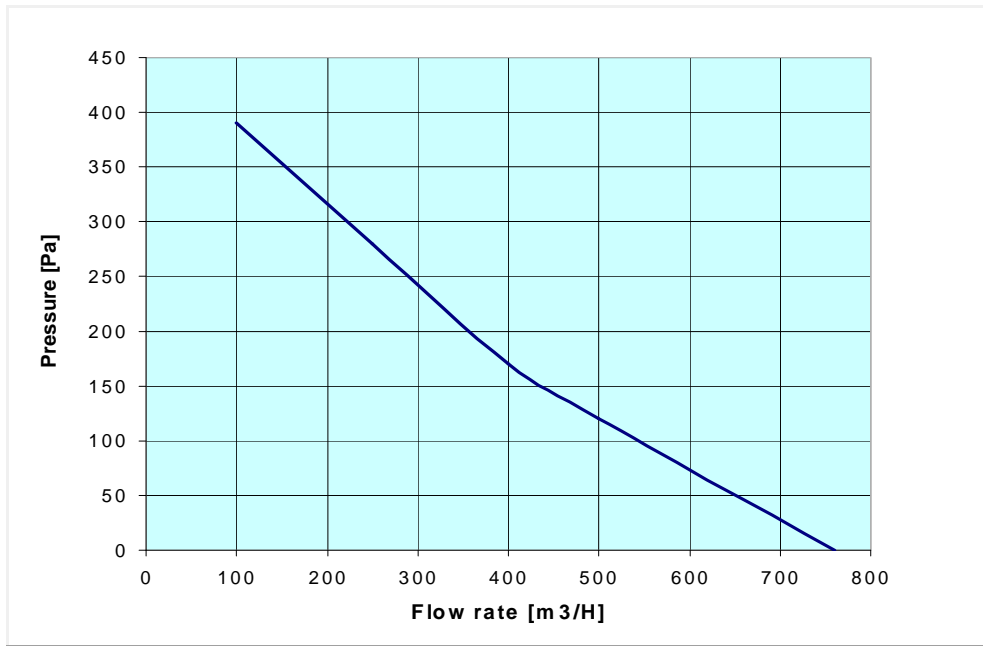


**TEST SETUP:**  
Scroll CK200A

Supply		Speed [rpm]	Power [W]	Current [A]	Efficiency [%]	Flow rate [m³/h]	Pressure [Pa]	Flow rate [cfm]	Pressure [in_H <sub>2</sub> O]
[V]	[Hz]								
220	50	2690	69	0.32	12.9	100	320	59	1.285
220	50	2575	75	0.35	22.2	250	240	147	0.964
220	50	2580	76	0.35	16.4	500	90	294	0.361
220	50	2685	68	0.32	0.0	690	0	406	0.000

**Air flow performance at 220V 60Hz**

**P8729**

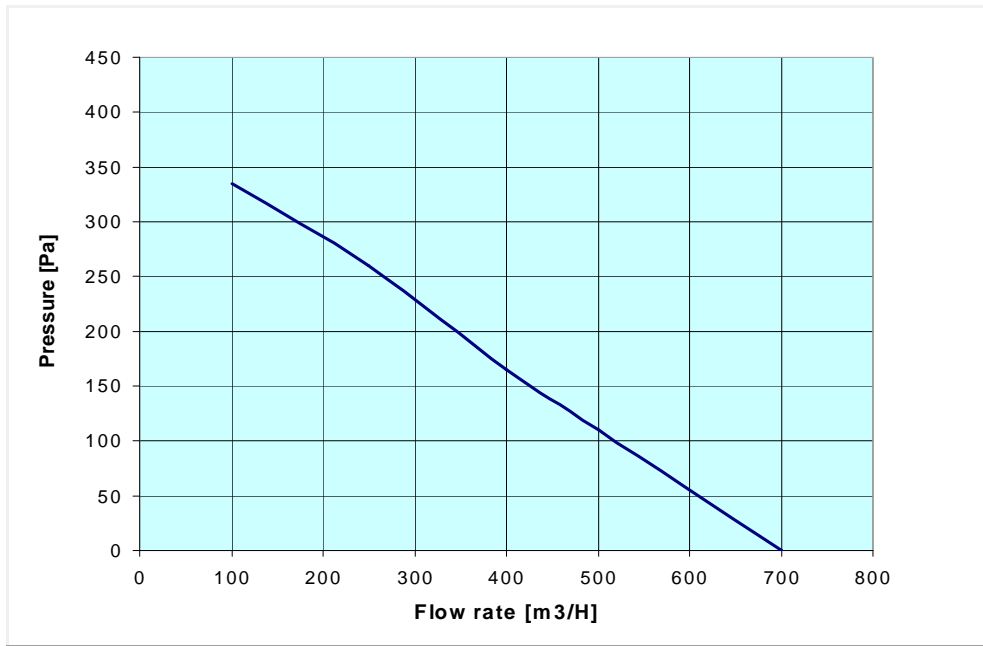


**TEST SETUP:**  
Scroll CK200A

Supply		Speed [rpm]	Power [W]	Current [A]	Efficiency [%]	Flow rate [m³/h]	Pressure [Pa]	Flow rate [cfm]	Pressure [in_H <sub>2</sub> O]
[V]	[Hz]								
220	60	2935	97	0.46	11.2	100	390	59	1.566
220	60	2780	103	0.49	18.9	250	280	147	1.124
220	60	2700	104	0.49	16.0	500	120	294	0.482
220	60	2925	97	0.46	0.0	760	0	447	0.000

**Air flow performance at 240V 50Hz**

**P8729**

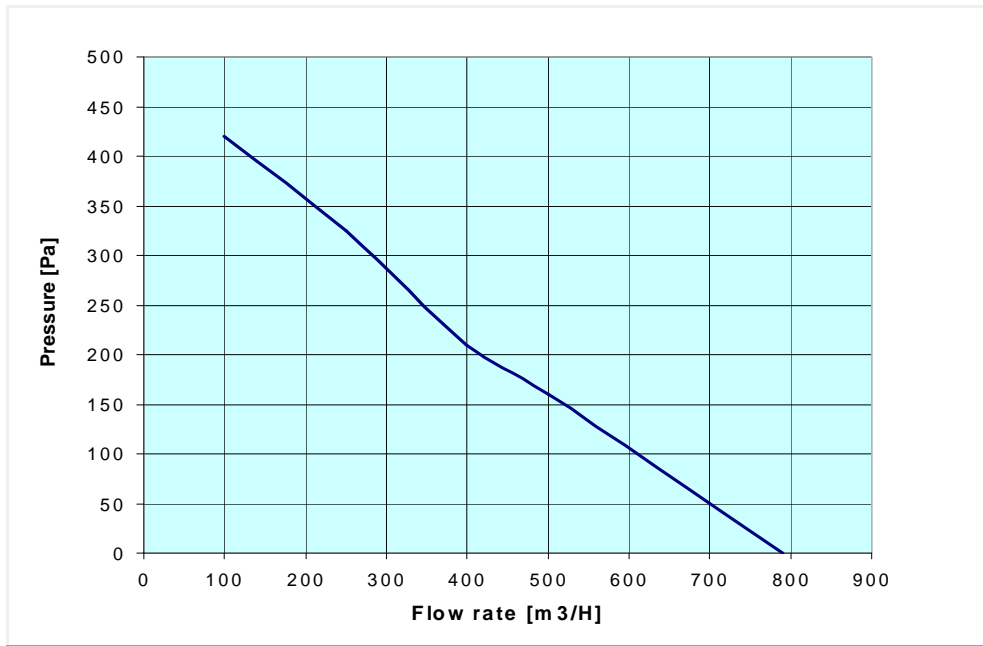


**TEST SETUP:**  
Scroll CK200A

Supply		Speed [rpm]	Power [W]	Current [A]	Efficiency [%]	Flow rate [m <sup>3</sup> /h]	Pressure [Pa]	Flow rate [cfm]	Pressure [in_H <sub>2</sub> O]
[V]	[Hz]								
240	50	2740	75	0.33	12.4	100	335	59	1.345
240	50	2660	83	0.35	21.8	250	260	147	1.044
240	50	2640	85	0.36	18.0	500	110	294	0.442
240	50	2720	78	0.33	0.0	700	0	412	0.000

**Air flow performance at 240V 60Hz**

**P8729**

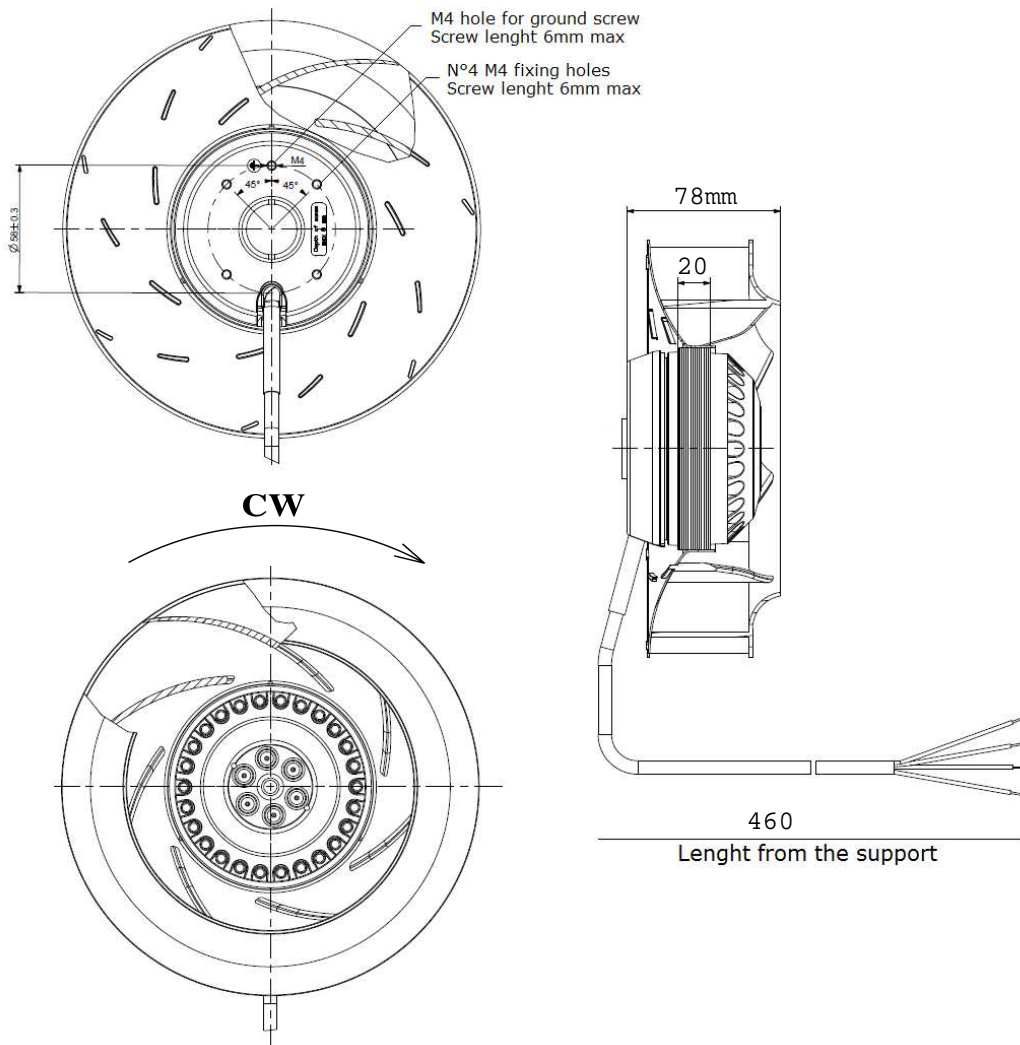


**TEST SETUP:**  
Scroll CK200A

Supply		Speed [rpm]	Power [W]	Current [A]	Efficiency [%]	Flow rate [m³/h]	Pressure [Pa]	Flow rate [cfm]	Pressure [in_H <sub>2</sub> O]
[V]	[Hz]								
240	60	3045	108	0.48	10.8	100	420	59	1.686
240	60	2910	116	0.50	19.5	250	325	147	1.305
240	60	2840	118	0.51	18.8	500	160	294	0.642
240	60	3040	110	0.49	0.0	790	0	465	0.000

**Overall Dimensions**

**P8729**



**Wiring Diagram**

