

**Motor Type** AC CENTRIFUGAL FORWARD CURVED FAN 133 x 190

Code: 30.97275

Project code: P8731

Supply	Poles	Speed	Stator	Impeller Type
220-240 V 50/60 Hz ~ 1	2	1	M35	Centrifugal Forward Curved Blade double inlet + scroll

**Nominal Data**

Nominal voltage	[V]	220-240
Frequency	[Hz]	50/60
Speed	[Rpm]	2138
Power input	[W]	147
Current draw	[A]	0,62
cos φ	[-]	0,99
Max Efficiency ( stat A )	[%]	25,4
Efficiency Grade ( N )	[-]	37,0
Capacitor	[uF]	4
	[V]	400

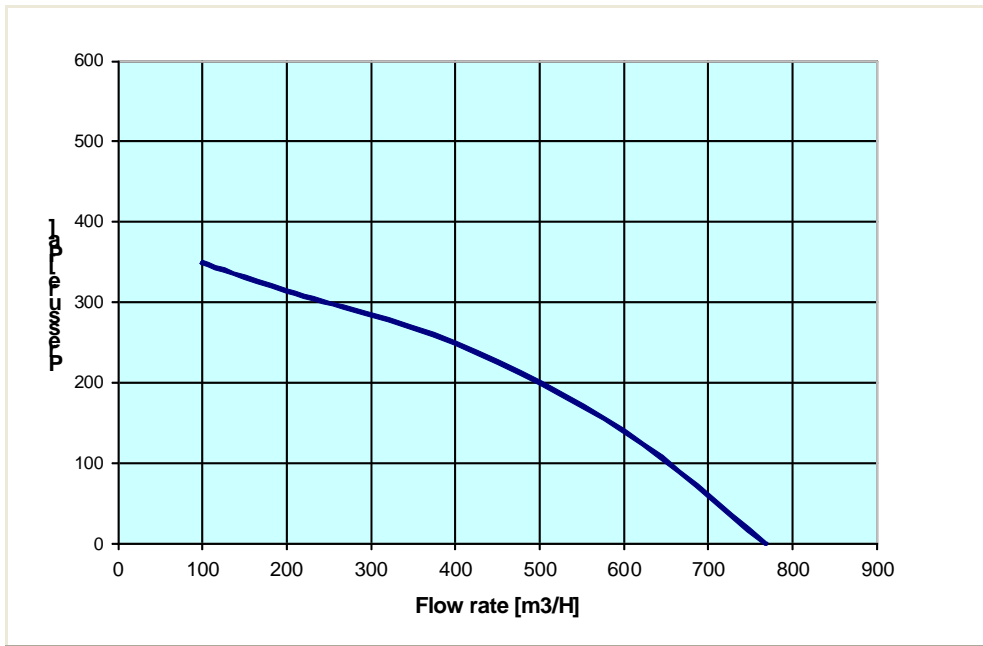


**Technical Features**

	50 Hz	60 Hz	Temperature Rise				
Max. operating temperature	[°C]	50	50	Test Setup @ 254 V			
	[°F]	122	122	50 Hz	60 Hz		
Min. operating temperature	[°C]	-30		Scroll p.c.			
	[°F]	-22		ΔT Main	[K]	76	74
Air flow @ 0 Pa	[m³/h]	857		ΔT Aux	[K]	66	71
Thermal protector	Automatic Reset		Working Point				
Insulation class	F		ΔT Main	[K]	35		
Motor bearing	Ball bearing		ΔT Aux	[K]	43		
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					
Impeller material	Metal						
Weight	[kg]	4,16					
Cable length	[mm]	480					
Condensate discharge holes (on rotor side)	NO						
ERP compliant	ERP 2013						

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

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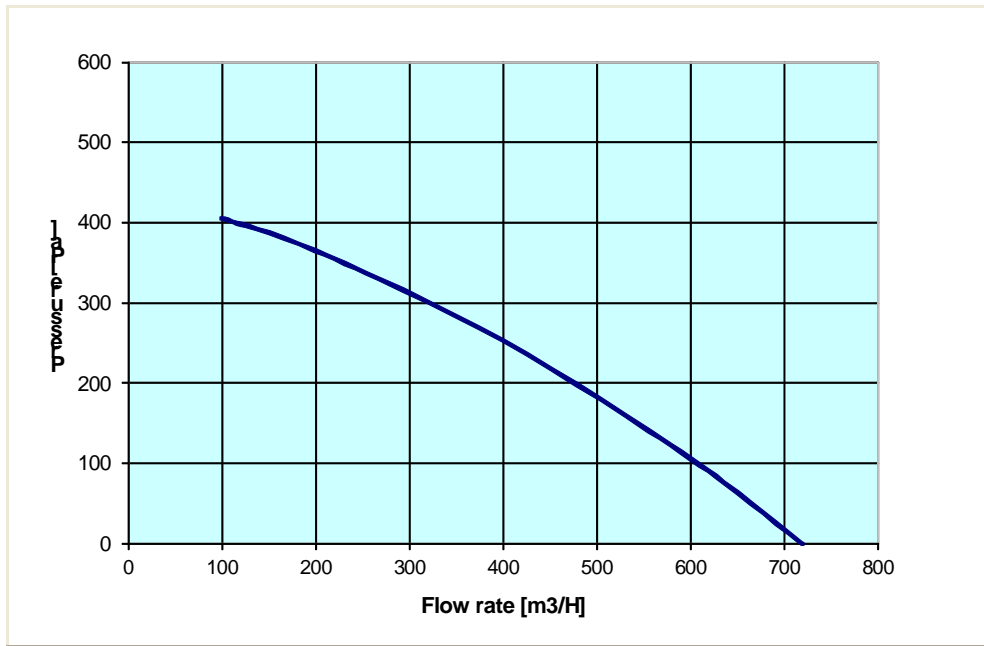


**TEST SETUP:**  
Scroll MES 133x190

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	2563	98	0,47	9,9	100	349	59	1,401
220	50	2521	100	0,48	17,5	200	314	118	1,261
220	50	1827	133	0,62	17,5	600	140	353	0,562
220	50	1112	149	0,69	0,0	768	0	452	0,000

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

**P8731**

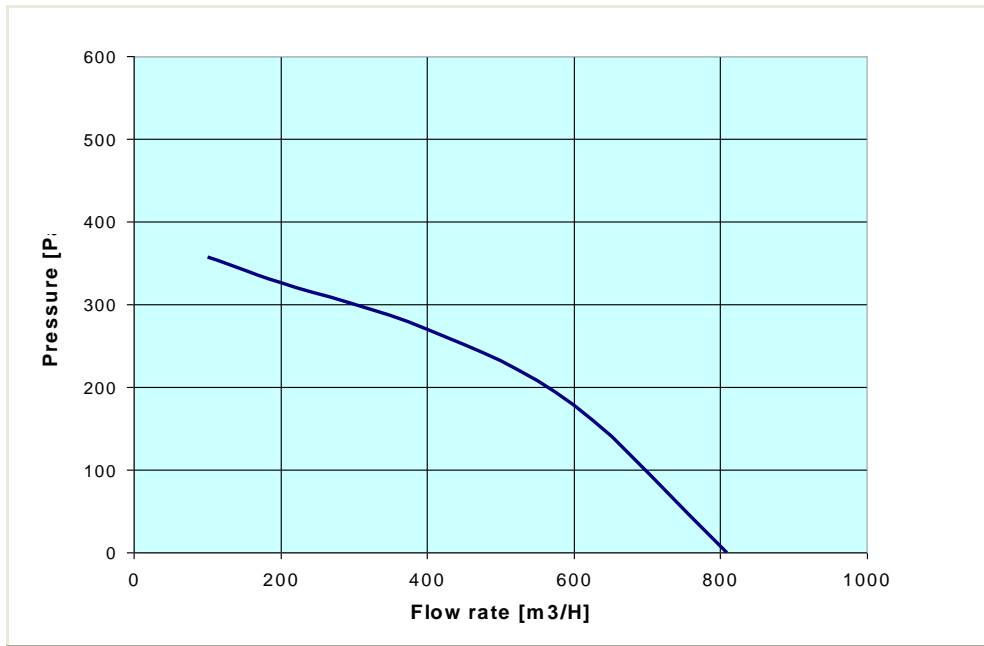


**TEST SETUP:**  
Scroll MES 133x190

Supply		Speed	Power	Current	Efficiency	Flow rate	Pressure	Flow rate	Pressure
[V]	[Hz]	[rpm]	[W]	[A]	[%]	[m³/h]	[Pa]	[cfm]	[in_H <sub>2</sub> O]
220	60	142	138	0,65	8,1	100	405	59	1,626
220	60	2702	200	0,66	10,1	200	365	118	1,465
220	60	1622	158	0,72	11,2	600	106	353	0,426
220	60	1083	159	0,73	0,0	719	0	423	0,000

**Air flow performance at 230V 50Hz**

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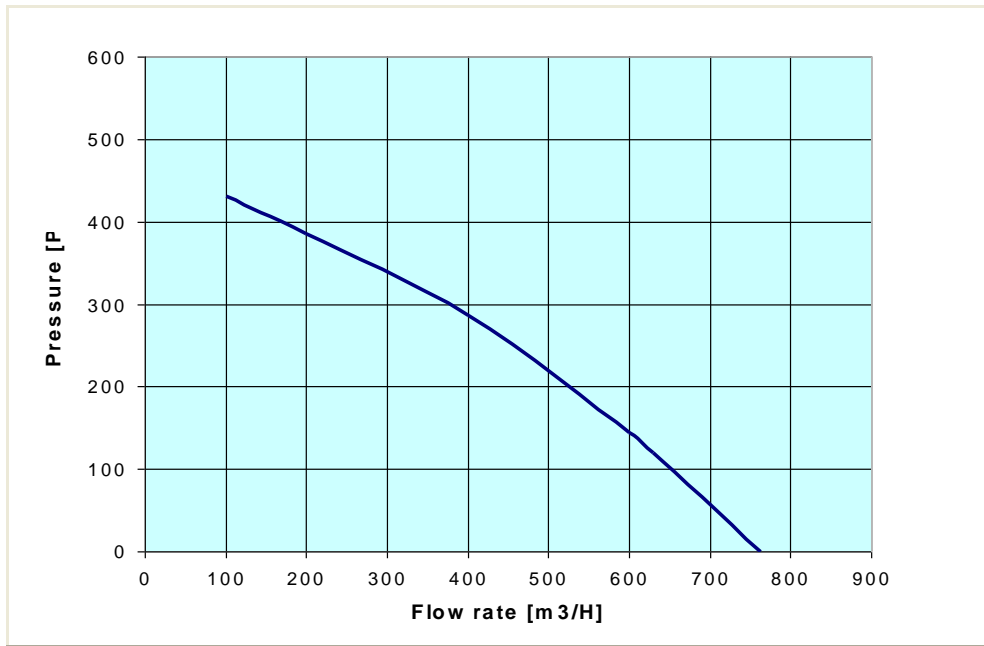


**TEST SETUP:**  
Scroll MES 133x190

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]								
230	50	2592	103	0,48	9,6	100	358	59	1,437
230	50	2559	106	0,49	17,1	200	327	118	1,313
230	50	2016	141	0,62	21,0	600	178	353	0,715
230	50	1213	163	0,71	0,0	809	0	476	0,000

**Air flow performance at 230V 60Hz**

**P8731**

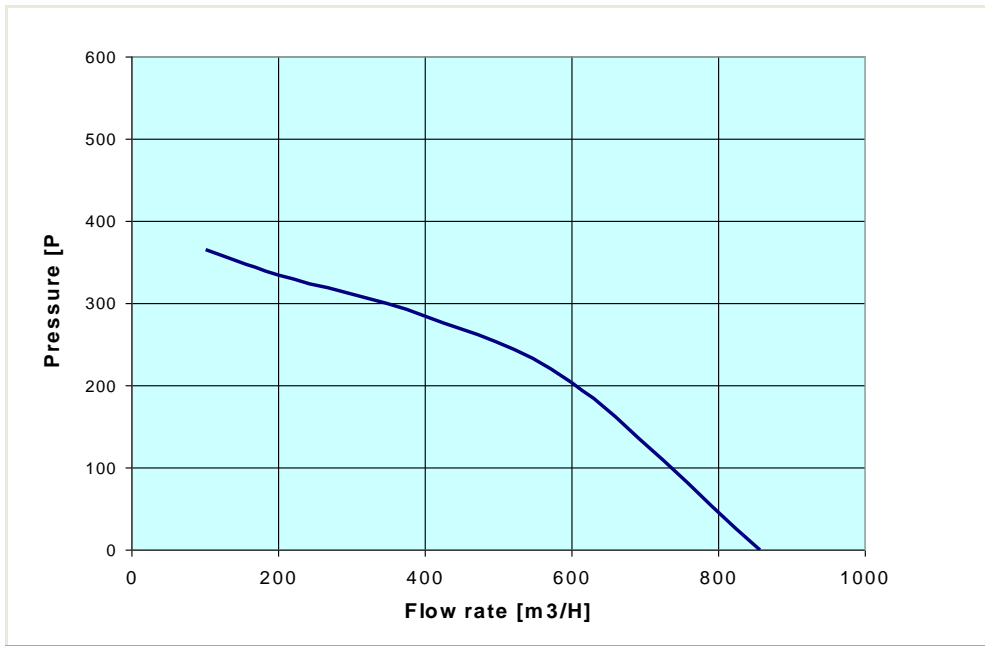


**TEST SETUP:**  
Scroll MES 133x190

Supply		Speed	Power	Current	Efficiency	Flow rate	Pressure	Flow rate	Pressure
[V]	[Hz]	[rpm]	[W]	[A]	[%]	[m³/h]	[Pa]	[cfm]	[in_H <sub>2</sub> O]
230	60	2821	150	0,68	8,0	100	431	59	1,730
230	60	2770	152	0,68	14,1	200	386	118	1,550
230	60	1846	173	0,75	14,0	600	145	353	0,582
230	60	1157	178	0,77	0,0	763	0	449	0,000

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

**P8731**

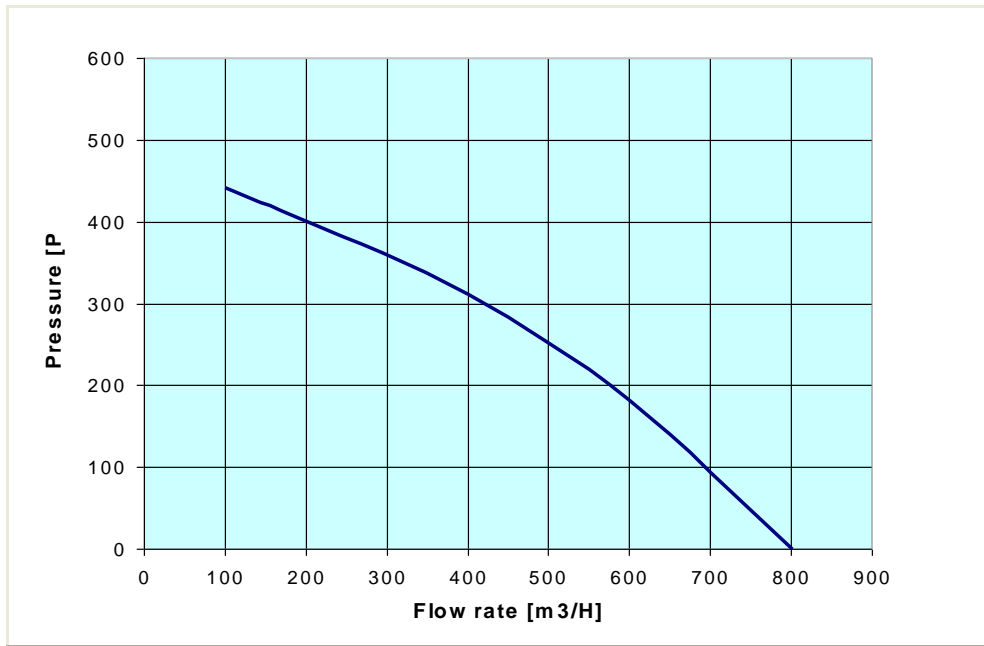


**TEST SETUP:**  
Scroll MES 133x190

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	50	2622	110	0,48	9,2	100	365	59	1,465
240	50	2595	113	0,49	16,5	200	335	118	1,345
240	50	2138	147	0,62	23,0	600	203	353	0,815
240	50	1263	180	0,75	0,0	857	0	504	0,000

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

**P8731**

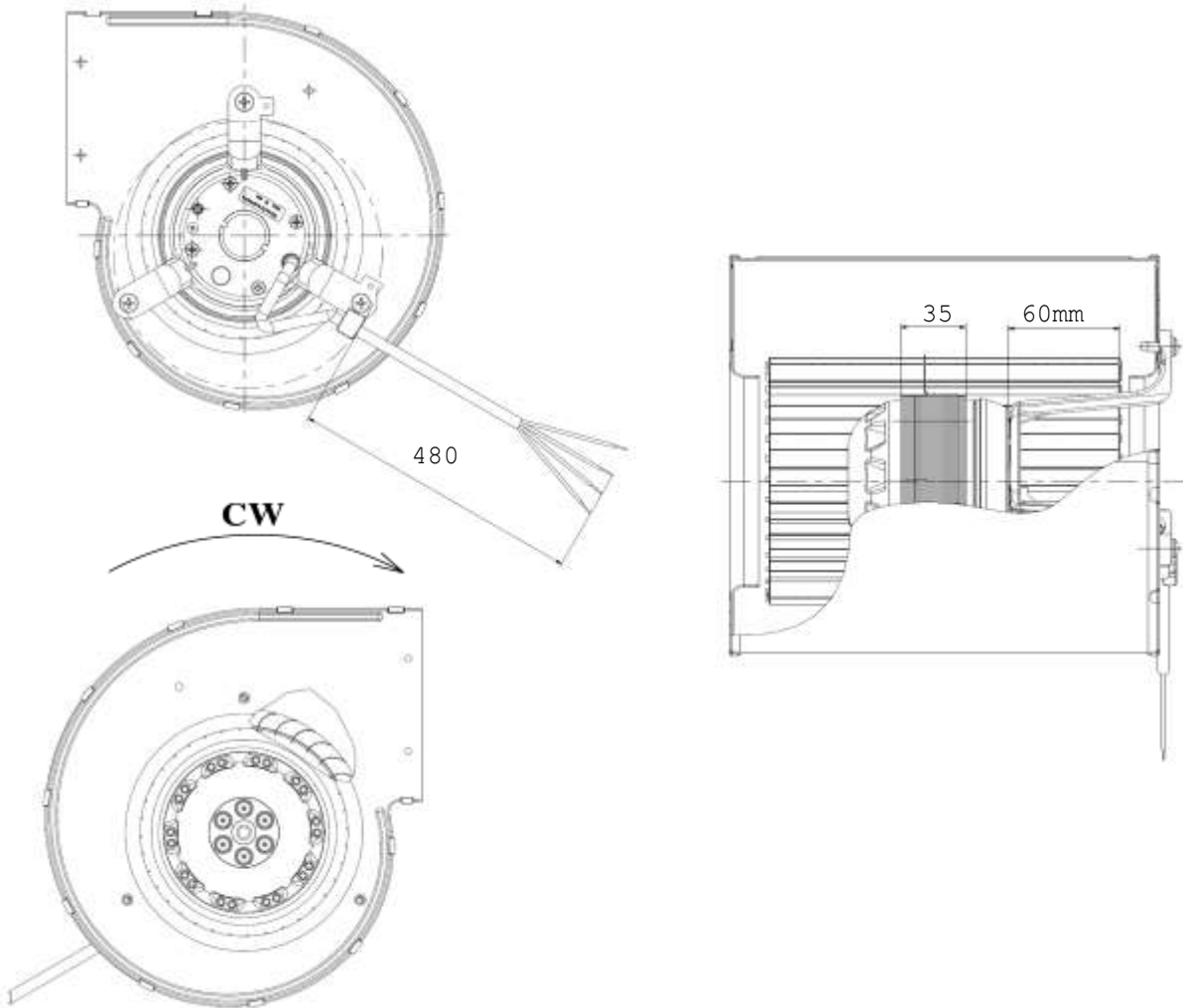


**TEST SETUP:**  
Scroll MES 133x190

Supply		Speed	Power	Current	Efficiency	Flow rate	Pressure	Flow rate	Pressure
[V]	[Hz]	[rpm]	[W]	[A]	[%]	[m³/h]	[Pa]	[cfm]	[in_H <sub>2</sub> O]
240	60	2862	159	0,70	7,7	100	442	59	1,775
240	60	2822	161	0,70	13,8	200	401	118	1,610
240	60	2053	187	0,78	16,3	600	182	353	0,731
240	60	1182	193	0,81	0,0	802	0	472	0,000

**Overall Dimensions**

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**Wiring Diagram**

