

8" Prime Evo | 147644

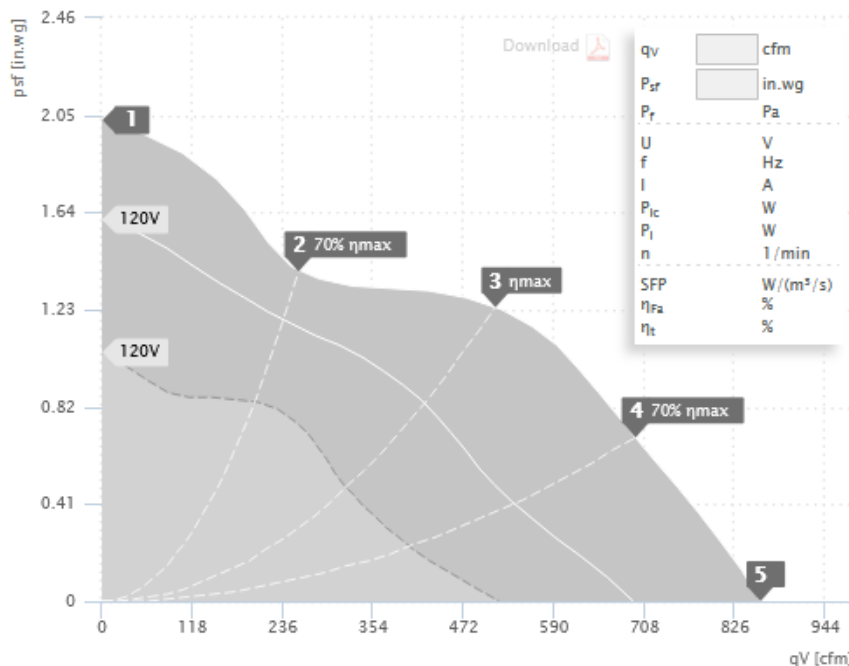


Price available upon request

- Mixed flow fan with high efficiency rates
- Best aerodynamic design
- 3D shaped impeller blades
- Corrosion resistant plastic housing
- Integrated 3-speed switch
- One-phase AC motor
- Including mounting bracket

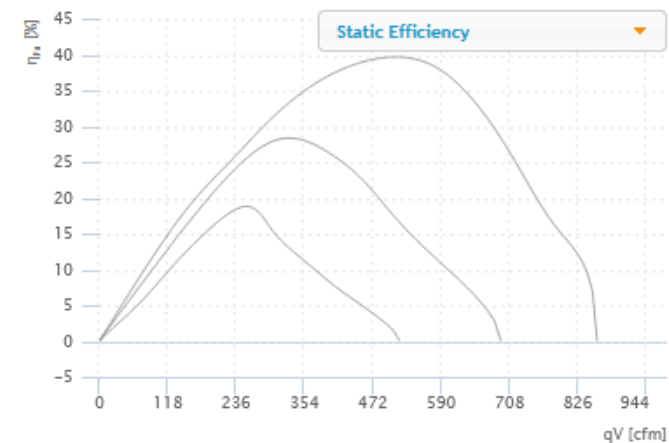
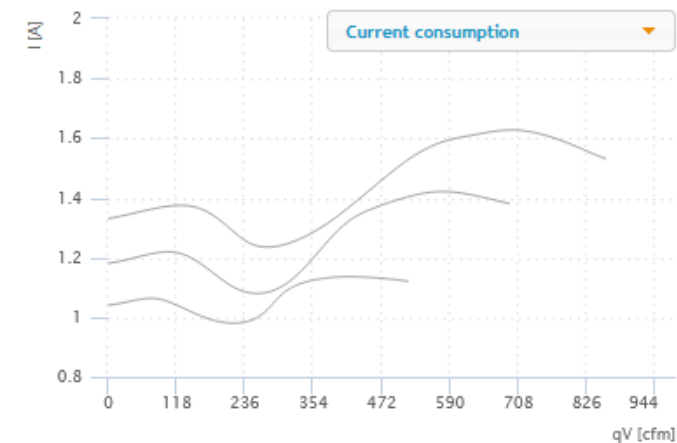
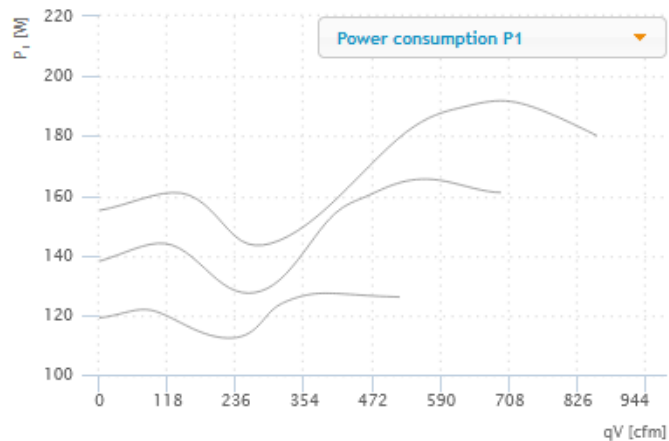
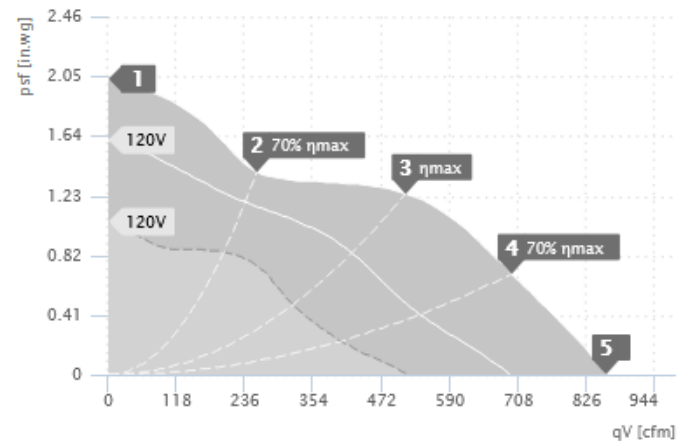
8" Prime Evo | 60 Hz

Voltage U_N	120 V 1~
Current I_{max}	1.7 A
Ambient temperature t_A	50 °C
Conveyed medium temperature t_M	50 °C
Speed Control	3-2-1
Motor protection	TAI
Insulation class motor	F
Weight	5,1 kg
Number of poles	2
IP motor	IP00
IP terminal box	-
Min. operating temperature	-25 °C



Sound power (L _W) dB(A)		Medium Frequency Band								
		Σ	63	125	250	500	1k	2k	4k	8k
Inlet	L _{WA5}	-	-	-	-	-	-	-	-	-
Outlet	L _{WA6}	-	-	-	-	-	-	-	-	-
Housing radiation	L _{WA2}	-	-	-	-	-	-	-	-	-

Operating Point		1	2	3	4	5
Current I	A	1.3	1.2	1.5	1.6	1.5
Power consumption P_1	W	155	144	179	192	180
Rotation speed n	1/min	3328	3371	3212	3163	3250
SWL inlet L_{WA5}	dB(A)	78	77	79	77	78
SWL outlet L_{WA6}	dB(A)	77	77	77	76	78
SWL housing break out L_{WA2}	dB(A)	62	62	61	61	61



Type 8" Prime Evo ID 147644		
Connection data entire unit		
Rated frequency	Hz	60
Rated voltage	V	120
Rated power	W	192
Max. operating current	A	1.7
Phase		1~
Motor Type		1~
Type of motor control		3-2-1
Motor protection		TAI
Capacitor μ	μF	15
Capacitor voltage	V	250
Insulation class motor		F
Number of poles		2
IP motor		IP00
IP terminal box		-
IP complete unit		-
Min. operating temperature	°C	-25

Rated current	A	1.6
Rated speed	1/min	3160
Max. static efficiency	%	39.5
Max. total efficiency	%	44.9
Max. allowed frequency (3" motors)	Hz	-
Max. allowed RPM (EC-motors)	1/min	-
Max. power consumption	W	192
Max. current consumption	A	1.7
Max. rotation speed	1/min	3370
Max. air flow	m³/h	1460
Min. pressure	Pa	-
Max. pressure	Pa	510
Max. allowed ambient temperature at rated current	°C	50
Max. allowed medium temperature at rated current	°C	50
Max. allowed ambient temperature	°C	50
Max. allowed medium temperature	°C	50
Blocking current	A	-
Min. allowed voltage	V	-
Weight	kg	5,1

Sound Measurement (Octave)				Σ	63 Hz	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz
SWL inlet	L _{WA5}	dB(A)	1	78	48	58	67	74	72	70	64	57
			2	77	51	62	66	74	72	68	62	55
			3	79	41	56	65	75	74	72	66	59
			4	77	35	44	63	72	72	70	66	60
			5	78	33	45	61	71	74	72	67	62
SWL outlet	L _{WA6}	dB(A)	1	77	45	57	68	71	73	70	67	59
			2	77	52	61	67	71	73	69	65	57
			3	77	45	58	67	71	73	69	66	57
			4	76	35	44	65	68	72	70	68	61
			5	78	39	45	64	68	74	72	69	64
SWL housing break out	L _{WA2}	dB(A)	1	62	46	47	54	55	57	56	48	40
			2	62	50	55	53	54	56	55	47	38
			3	61	46	48	53	55	55	54	46	38
			4	61	35	34	51	56	56	54	46	38
			5	61	33	37	50	54	56	56	49	42