

8" Prime Evo EC | 147653

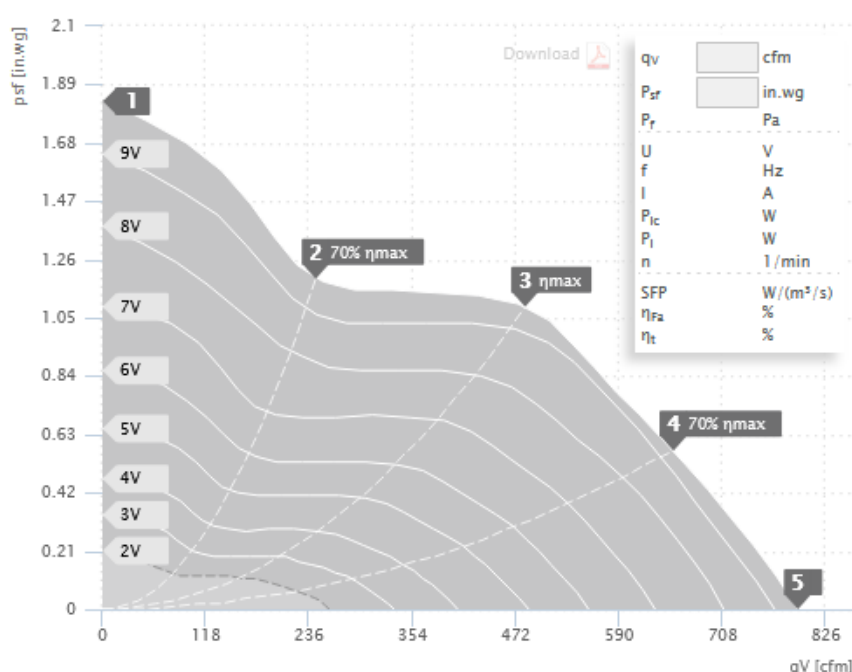


Price available upon request

- Mixed flow fan with high efficiency rates
- Best aerodynamic design
- 3D shaped impeller blades
- Corrosion resistant plastic housing
- Powerful EC motor
- Including mounting bracket

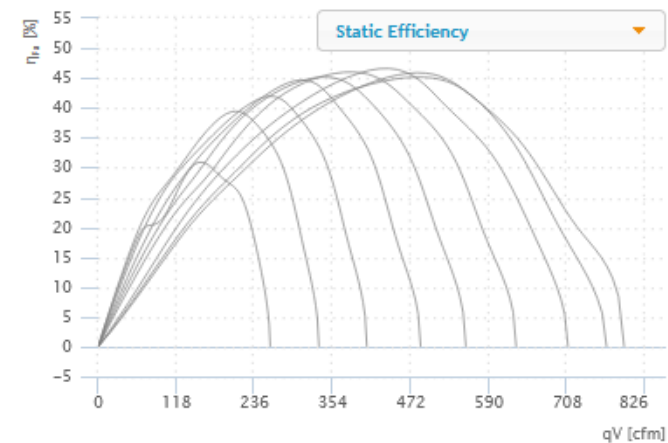
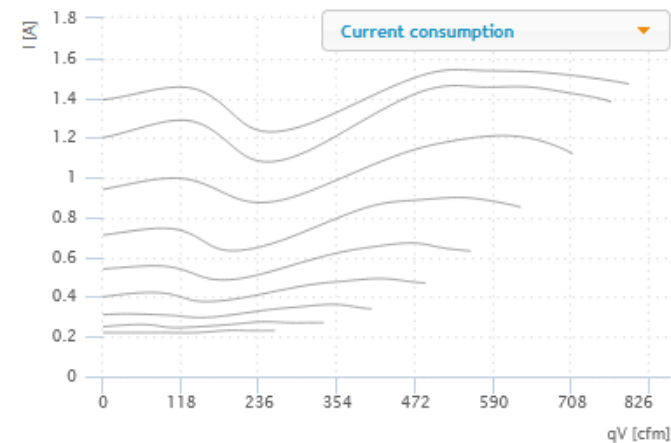
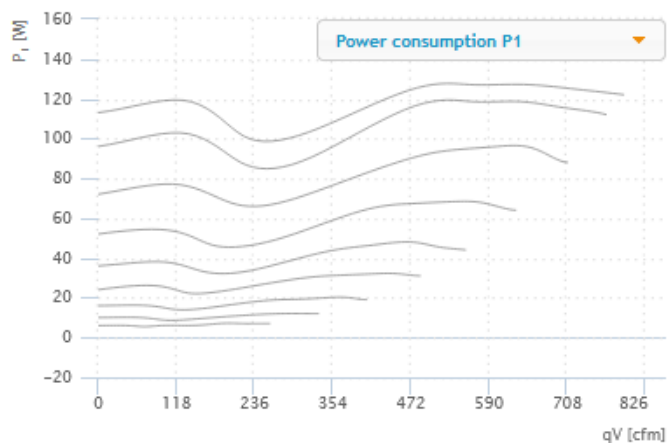
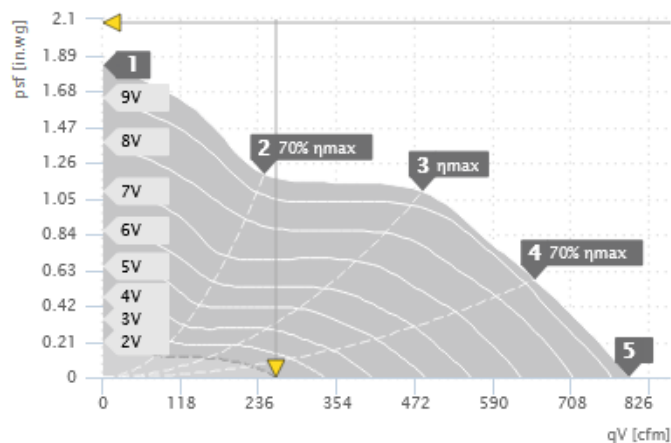
8" Prime Evo EC | 60 Hz

Voltage U_N	120 V 1~
Current I_{max}	1.6 A
Ambient temperature t_a	50 °C
Conveyed medium temperature t_M	50 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	4,0 kg
Number of poles	-
IP motor	IP54
IP terminal box	IP44
Min. operating temperature	-30 °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	1.4	1.2	1.5	1.5	1.5
Power consumption P_1	W	113	99	126	127	122
Rotation speed n	1/min	3134	3145	3047	2944	2995
SWL inlet L_{WA5}	dB(A)	78	76	76	76	77
SWL outlet L_{WA6}	dB(A)	79	77	80	78	79
SWL housing break out L_{WA2}	dB(A)	59	59	57	57	58



Type 8" Prime Evo EC ID 147653		
Connection data entire unit		
Rated frequency	Hz	60
Rated voltage	V	120
Rated power	W	124
Max. operating current	A	1.6
Phase		1~
Motor Type		EC
Type of motor control		0-10V
Motor protection		TEC
Capacitor μ	μF	-
Capacitor voltage	V	-
Insulation class motor		F
Number of poles		-
IP motor		IP54
IP terminal box		IP44
IP complete unit		IPX4
Min. operating temperature	°C	-30

Rated current	A	1.5
Rated speed	1/min	2990
Max. static efficiency	%	45.4
Max. total efficiency	%	51.6
Max. allowed frequency (3" motors)	Hz	-
Max. allowed RPM (EC-motors)	1/min	3140
Max. power consumption	W	124
Max. current consumption	A	1.6
Max. rotation speed	1/min	3140
Max. air flow	m³/h	1350
Min. pressure	Pa	-
Max. pressure	Pa	460
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	4,0

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	45	59	67	74	72	69	63	56
			2	76	50	61	65	73	70	67	61	53
			3	76	43	56	65	72	70	67	61	54
			4	76	30	44	66	70	71	69	65	59
			5	77	33	45	64	70	73	71	66	61
SWL outlet	L _{WA6}	dB(A)	1	79	46	59	70	72	75	71	67	58
			2	77	51	61	67	72	73	69	64	55
			3	80	40	59	68	73	76	72	68	59
			4	78	33	48	69	70	74	71	68	60
			5	79	35	48	68	70	76	73	69	62
SWL housing break out	L _{WA2}	dB(A)	1	59	44	47	49	48	53	56	48	41
			2	59	48	53	47	47	52	53	45	37
			3	57	44	44	47	47	51	53	45	37
			4	57	42	31	47	45	51	53	45	36
			5	58	39	31	43	45	52	55	47	38