

10" Prime Evo EC | 147689

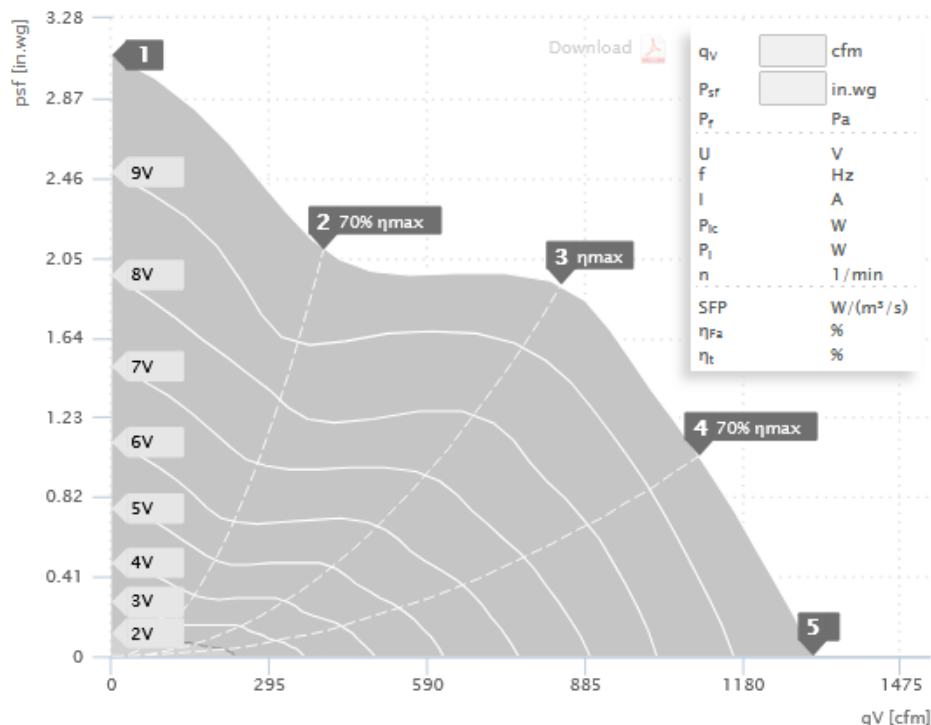


Price available upon request

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

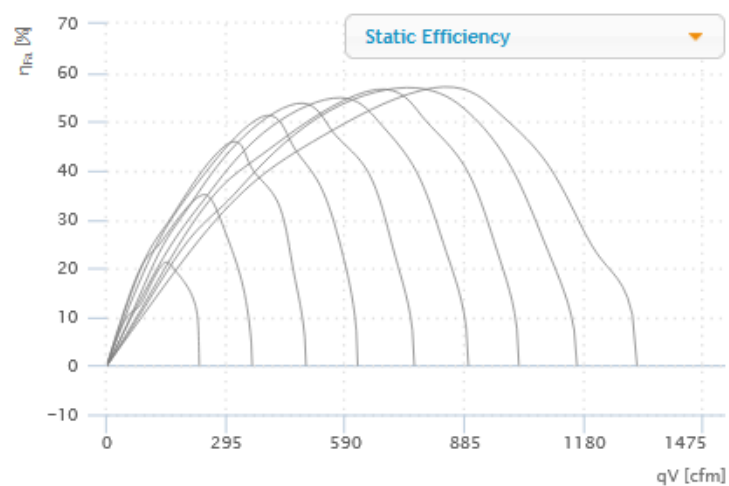
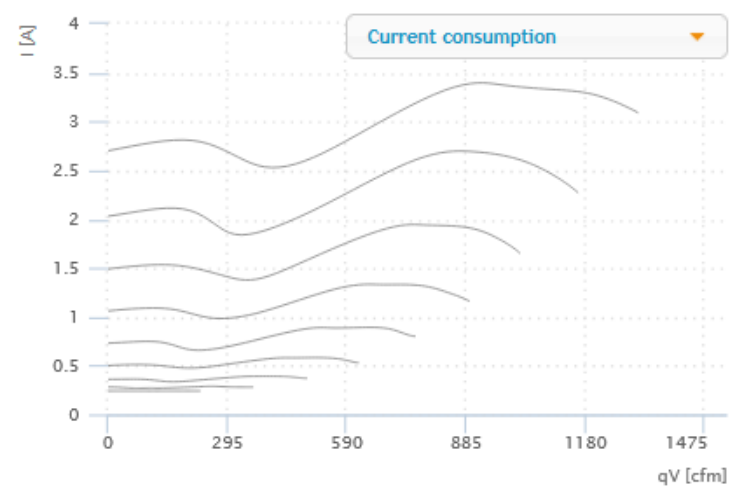
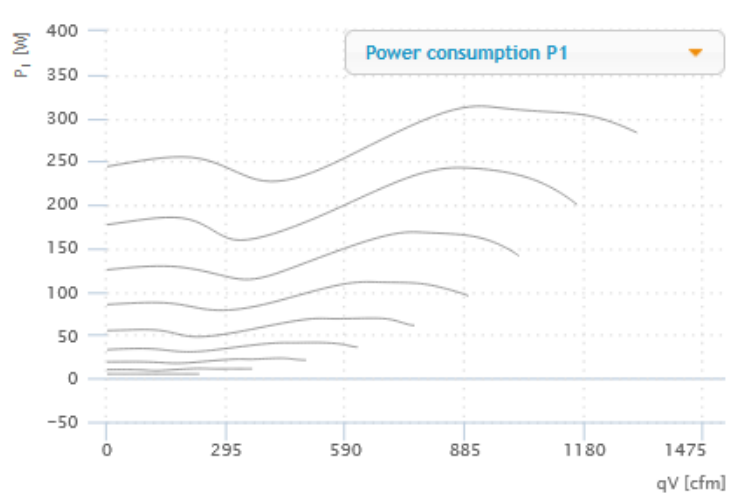
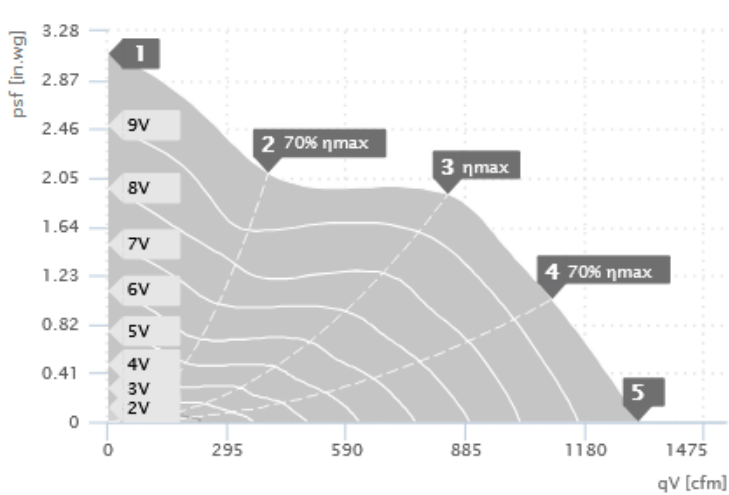
10" Prime Evo EC | 60 Hz

Voltage U_N	120 V 1~
Current I_{max}	3.5 A
Ambient temperature t_A	60 °C
Conveyed medium temperature t_M	60 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	F
Weight	4,9 kg
Number of poles	-
IP motor	IP30
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	2.7	2.5	3.3	3.3	3.1
Power consumption P_1	W	243	227	307	306	283
Rotation speed n	1/min	3803	3840	3754	3760	3870
SWL inlet L_{WA5}	dB(A)	84	82	81	80	81
SWL outlet L_{WA6}	dB(A)	88	86	85	84	85
SWL housing break out L_{WA2}	dB(A)	73	73	72	72	74



Type 10" Prime Evo EC
ID 147689

Connection data entire unit		
Rated frequency	Hz	60
Rated voltage	V	120
Rated power	W	298
Max. operating current	A	3.5
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		IP30
IP terminal box		IP44
IP complete unit		IPX4
Min. operating temperature	°C	-30

Rated current	A	3.4
Rated speed	1/min	3740
Max. static efficiency	%	57.5
Max. total efficiency	%	61.8
Max. allowed frequency (3" motors)	Hz	-
Max. allowed RPM (EC-motors)	1/min	3870
Max. power consumption	W	298
Max. current consumption	A	3.5
Max. rotation speed	1/min	3870
Max. air flow	m³/h	2230
Min. pressure	Pa	-
Max. pressure	Pa	770
Max. allowed ambient temperature at rated current	°C	60
Max. allowed medium temperature at rated current	°C	60
Max. allowed ambient temperature	°C	60
Max. allowed medium temperature	°C	60
Blocking current	A	-
Min. allowed voltage	V	-
Weight	kg	4,9

Sound Measurement (Octave)				Σ	63 Hz	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz
SWL inlet	L _{VIA5}	dB(A)	1	84	52	67	73	77	79	77	73	65
			2	82	54	69	70	74	78	75	70	61
			3	81	52	65	69	74	77	75	71	61
			4	80	37	46	59	69	76	75	72	66
			5	81	40	49	59	70	77	75	74	69
SWL outlet	L _{VIA6}	dB(A)	1	88	54	68	75	78	85	82	75	67
			2	86	56	68	72	76	84	81	73	65
			3	85	53	67	70	75	82	79	71	63
			4	84	37	46	58	72	81	79	73	68
			5	85	45	48	60	73	82	79	75	71
SWL housing break out	L _{VIA2}	dB(A)	1	73	54	55	55	54	73	61	54	41
			2	73	54	55	54	52	72	60	52	39
			3	72	44	43	54	52	72	56	48	40
			4	72	37	46	55	50	72	55	49	39
			5	74	38	43	57	48	74	56	51	41