

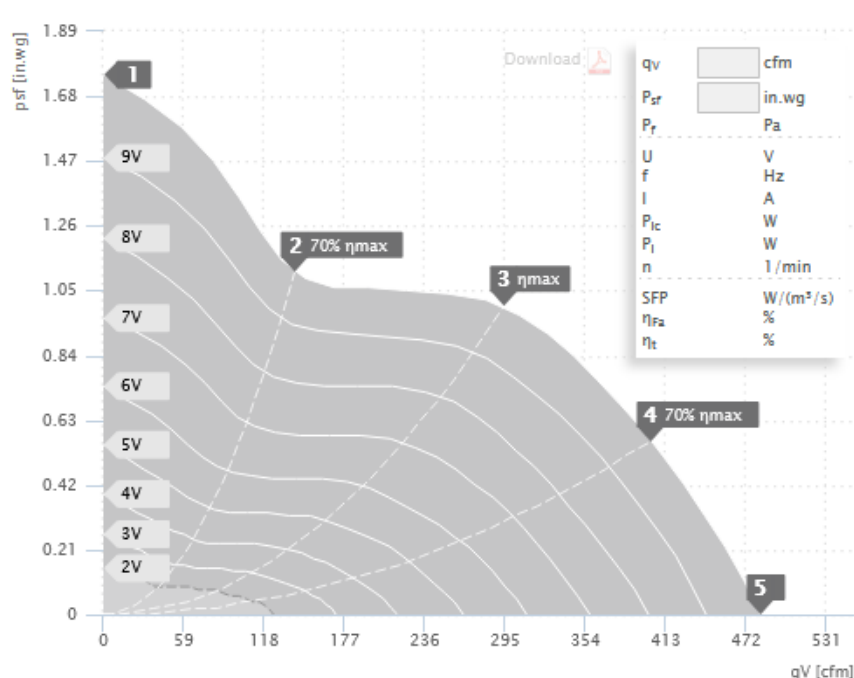
6" Prime Evo EC | 147617



Price available upon request

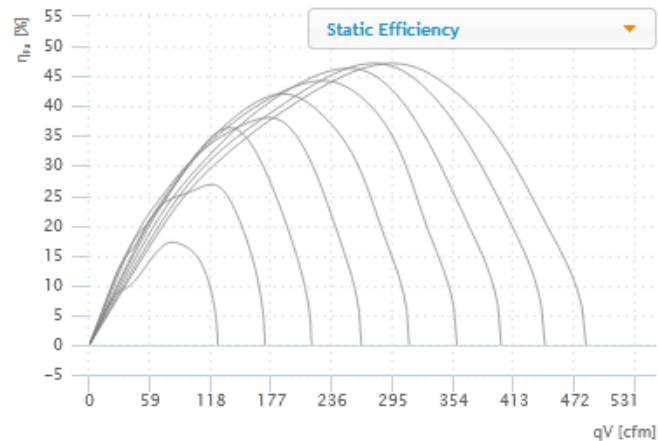
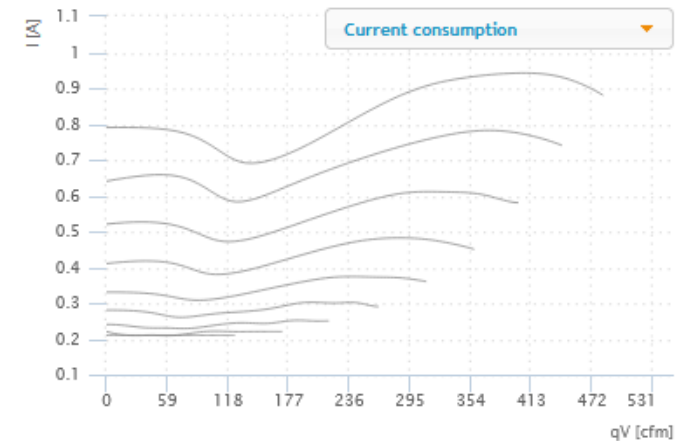
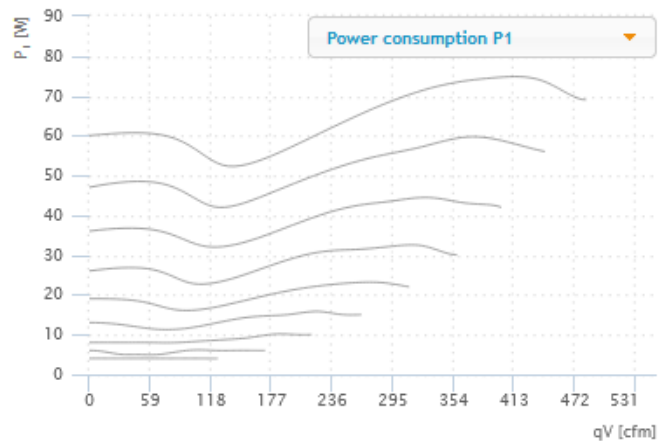
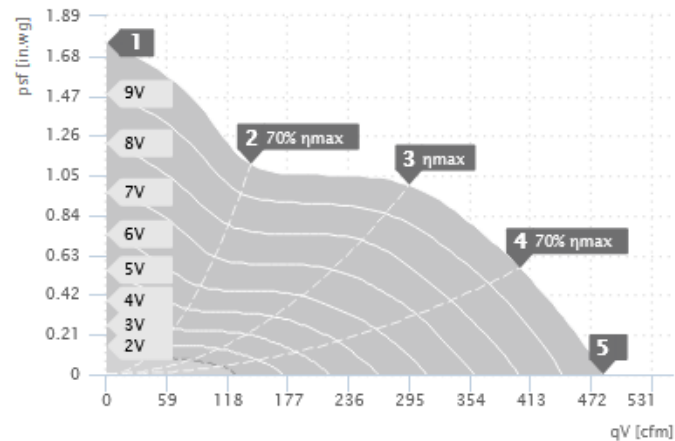
- Mixed flow fan with high efficiency rates
- Best aerodynamic design
- 3D shaped impeller blades
- Corrosion resistant plastic housing
- Powerful EC motor
- Including mounting bracket

6" Prime Evo EC 60 Hz	
Voltage U_N	120 V 1~
Current I_{max}	1 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	3,1 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	0.8	0.7	0.9	0.9	0.9
Power consumption P_1	W	60	52	69	75	69
Rotation speed n	1/min	3773	3780	3758	3740	3741
SWL inlet L_{WA5}	dB(A)	74	72	76	75	75
SWL outlet L_{WA6}	dB(A)	74	73	76	77	78
SWL housing break out L_{WA2}	dB(A)	58	56	57	58	57



Type 6" Prime Evo EC
ID 147617

Connection data entire unit		
Rated frequency	Hz	60
Rated voltage	V	120
Rated power	W	72
Max. operating current	A	1
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	0.9
Rated speed	1/min	3740
Max. static efficiency	%	47.1
Max. total efficiency	%	54.8
Max. allowed frequency (3" motors)	Hz	-
Max. allowed RPM (EC-motors)	1/min	3780
Max. power consumption	W	72
Max. current consumption	A	1
Max. rotation speed	1/min	3780
Max. air flow	m³/h	820
Min. pressure	Pa	-
Max. pressure	Pa	440
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	3,1

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	74	45	57	63	70	68	66	60	53
			2	72	43	58	60	68	66	64	58	50
			3	76	36	52	62	72	71	69	63	56
			4	75	36	44	60	71	70	69	63	59
			5	75	36	44	58	69	70	70	64	59
SWL outlet	L _{WA6}	dB(A)	1	74	44	56	63	68	70	67	64	56
			2	73	44	58	61	67	68	64	62	53
			3	76	39	53	63	69	72	68	66	58
			4	77	39	47	63	68	74	71	68	62
			5	78	39	46	61	67	75	72	69	62
SWL housing break out	L _{WA2}	dB(A)	1	58	43	46	45	44	51	55	47	37
			2	56	44	48	44	43	49	53	45	34
			3	57	42	37	44	43	51	54	46	36
			4	58	38	33	42	43	51	55	47	37
			5	57	33	32	40	42	50	55	48	37