

10" Prime Evo | 147680

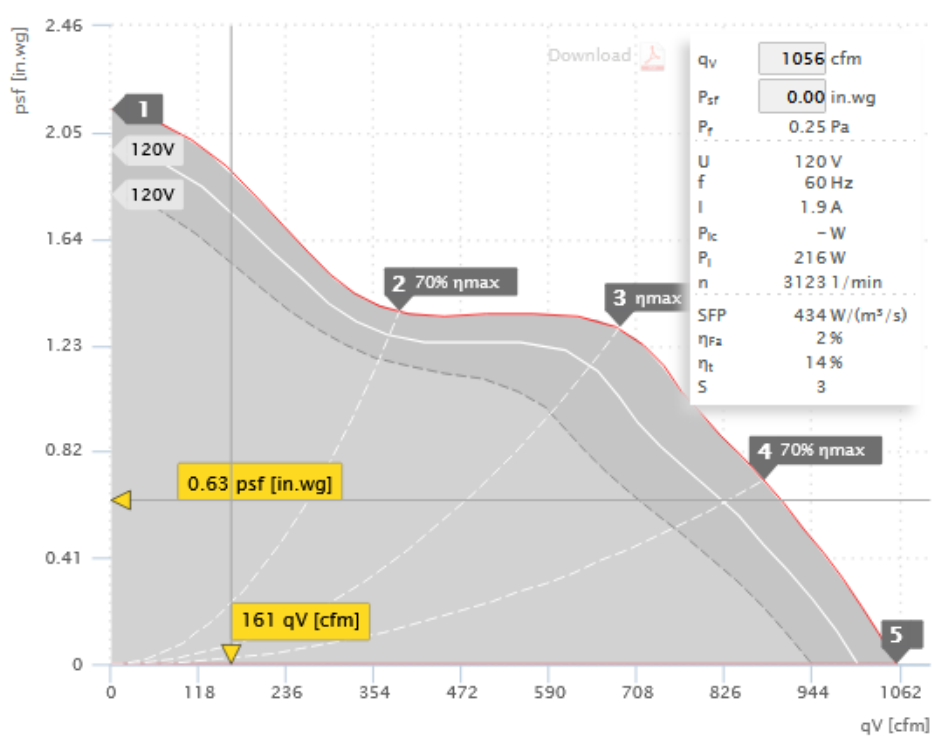


Price available upon request

- 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

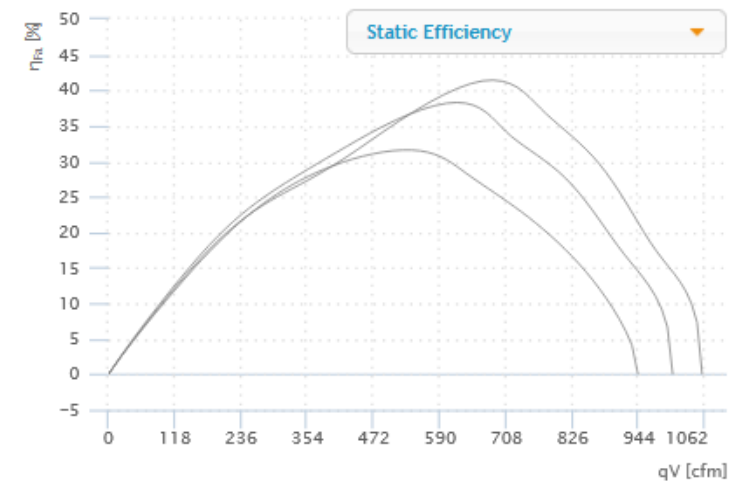
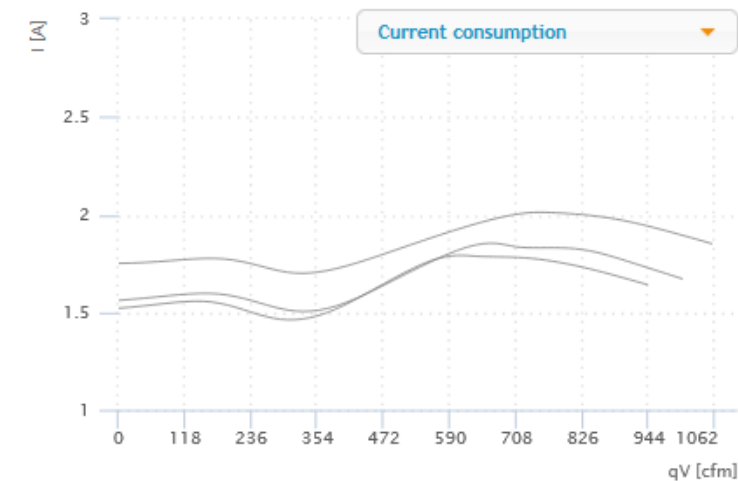
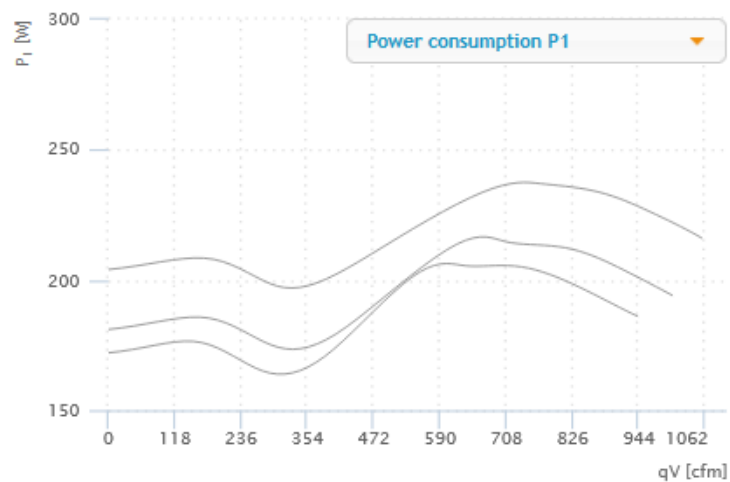
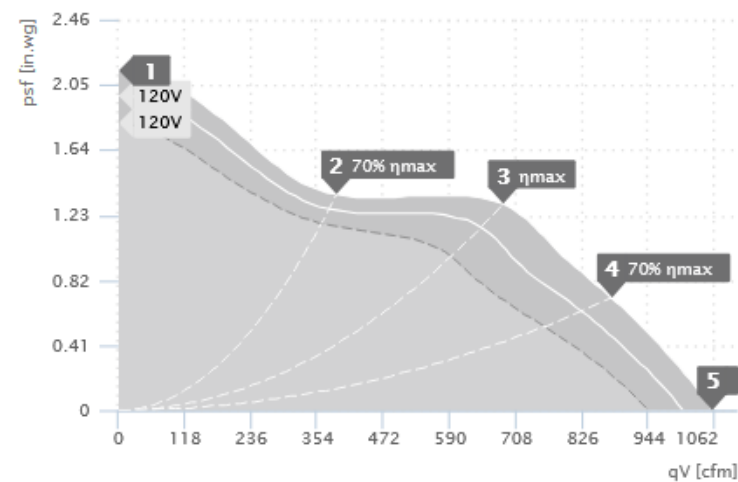
10" Prime Evo | 60 Hz

Voltage U_N	120 V 1~
Current I_{max}	2.1 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	5,0 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	1.8	1.7	2	2	1.9
Power consumption P_1	W	204	200	235	233	216
Rotation speed n	1/min	3166	3174	3022	3040	3123
SWL inlet L_{WA5}	dB(A)	78	77	78	78	79
SWL outlet L_{WA6}	dB(A)	82	80	80	80	81
SWL housing break out L_{WA2}	dB(A)	62	62	62	59	60



Type 10" Prime Evo ID 147680		
Connection data entire unit		
Rated frequency	Hz	60
Rated voltage	V	120
Rated power	W	237
Max. operating current	A	2.1
Phase		1~
Motor Type		1~
Type of motor control		3-2-1
Motor protection		TAI
Capacitor μ	μF	20
Capacitor voltage	V	250
Insulation class motor		F
Number of poles		2
IP motor		IP00
IP terminal box		-
IP complete unit		IPX4
Min. operating temperature	°C	-25

Rated current	A	2
Rated speed	1/min	3030
Max. static efficiency	%	41.2
Max. total efficiency	%	44.2
Max. allowed frequency (3" motors)	Hz	-
Max. allowed RPM (EC-motors)	1/min	-
Max. power consumption	W	237
Max. current consumption	A	2.1
Max. rotation speed	1/min	3200
Max. air flow	m³/h	1795
Min. pressure	Pa	-
Max. pressure	Pa	530
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	5,0

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	78	50	64	67	72	74	71	67	58
			2	77	51	63	64	71	73	70	65	56
			3	78	53	65	68	73	74	71	66	56
			4	78	37	44	57	70	76	71	66	59
			5	79	36	46	56	70	76	73	68	63
SWL outlet	L _{VIA6}	dB(A)	1	82	49	64	69	74	78	76	69	61
			2	80	54	65	66	72	77	75	66	58
			3	80	49	62	66	72	76	74	66	58
			4	80	42	44	61	70	76	75	67	60
			5	81	33	49	60	71	77	78	70	64
SWL housing break out	L _{VIA2}	dB(A)	1	62	53	53	52	49	57	57	49	40
			2	62	53	54	51	48	56	55	46	36
			3	62	54	55	52	49	57	56	46	35
			4	59	49	40	49	45	54	54	44	35
			5	60	41	40	50	45	56	55	46	38