

14" Prime Evo EC HO | 147743

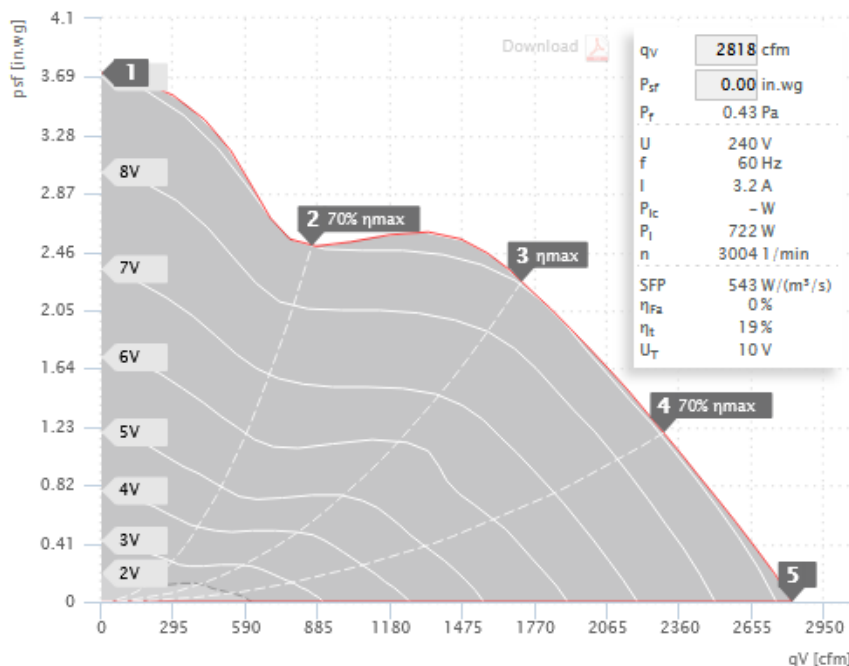


Price available upon request

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

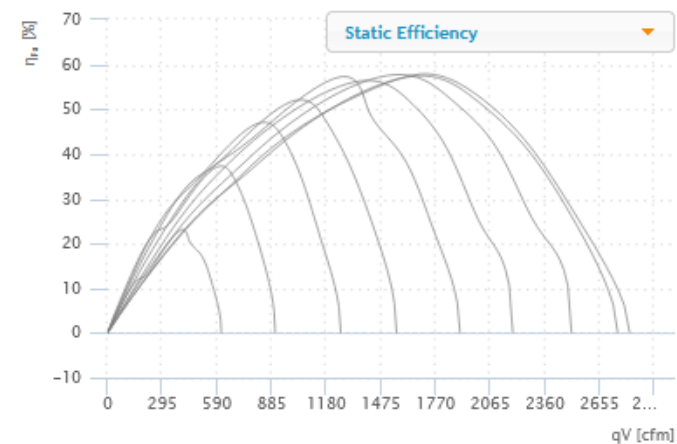
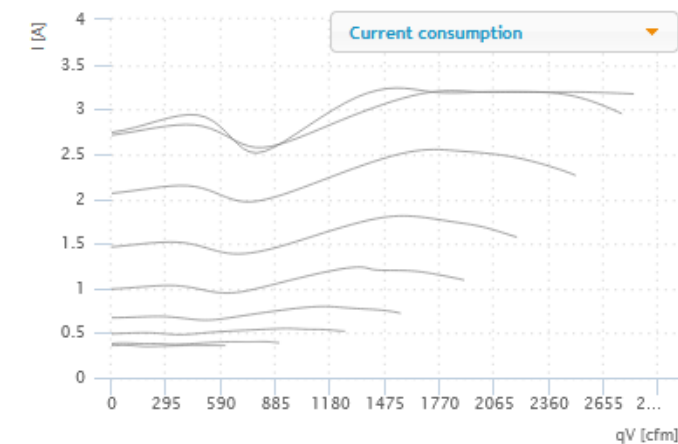
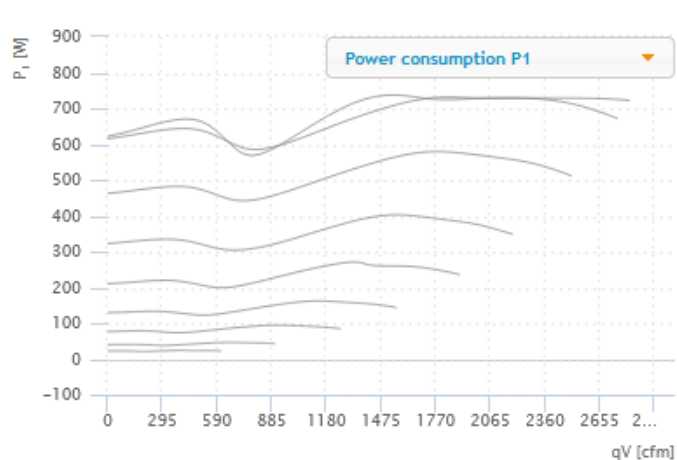
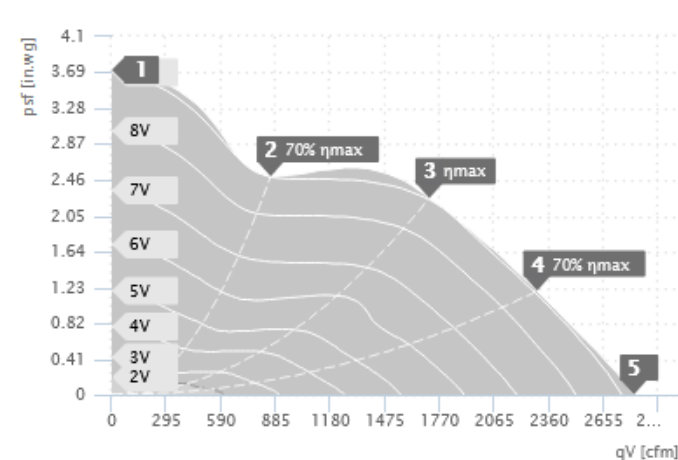
14" Prime Evo EC HO | 60 Hz

Voltage U_N	240 V 1~
Current I_{max}	3.4 A
Ambient temperature t_a	60 °C
Conveyed medium temperature t_m	60 °C
Speed Control	0-10V
Motor protection	TEC
Insulation class motor	B
Weight	9,8 kg
Number of poles	-
IP motor	IP20
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		2.7	2.6	3.2	3.2	3.2
Power consumption P_1	W		622	579	727	728	722
Rotation speed n	1/min		3000	3006	2828	2856	3004
SWL inlet L_{WA5}	dB(A)		90	88	84	81	84
SWL outlet L_{WA6}	dB(A)		93	92	87	85	87
SWL housing break out L_{WA2}	dB(A)		73	71	65	64	68



Type 14" Prime Evo EC HO
ID 147743

Connection data entire unit		
Rated frequency	Hz	60
Rated voltage	V	240
Rated power	W	731
Max. operating current	A	3.4
Phase		1~
Motor Type		EC
Type of motor control		0-10V
Motor protection		TEC
Capacitor μ	μ F	-
Capacitor voltage	V	-
Insulation class motor		B
Number of poles		-
IP motor		IP20
IP terminal box		-
IP complete unit		-
Min. operating temperature	°C	-25

Rated current	A	3.2
Rated speed	1/min	2900
Max. static efficiency	%	58.4
Max. total efficiency	%	62
Max. allowed frequency (3~ motors)	Hz	-
Max. allowed RPM (EC-motors)	1/min	-
Max. power consumption	W	731
Max. current consumption	A	3.4
Max. rotation speed	1/min	3010
Max. air flow	m³/h	4790
Min. pressure	Pa	-
Max. pressure	Pa	930
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	9,8

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	90	71	72	80	84	85	83	79	70
			2	88	71	73	78	83	84	81	77	68
			3	84	60	63	72	78	79	77	74	65
			4	81	53	50	68	74	75	75	74	67
			5	84	57	50	70	75	78	77	76	71
SWL outlet	L _{WA6}	dB(A)	1	93	61	73	82	88	89	85	80	71
			2	92	63	73	81	87	88	84	79	70
			3	87	60	64	76	82	83	79	75	66
			4	85	47	50	72	79	80	78	75	68
			5	87	60	51	72	81	83	81	78	72
SWL housing break out	L _{WA2}	dB(A)	1	73	58	59	62	69	69	63	56	46
			2	71	61	62	59	66	67	61	53	42
			3	65	42	45	51	60	62	56	51	42
			4	64	37	41	48	59	61	56	51	43
			5	68	40	43	51	64	64	59	53	46