

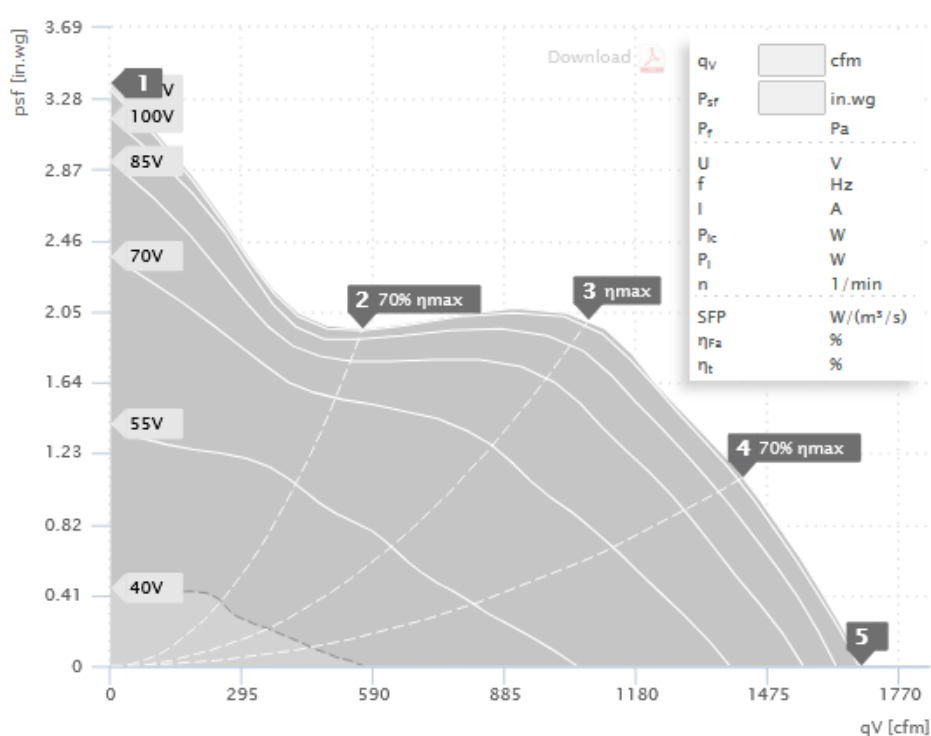
12" Prime | 147509



Price available upon request

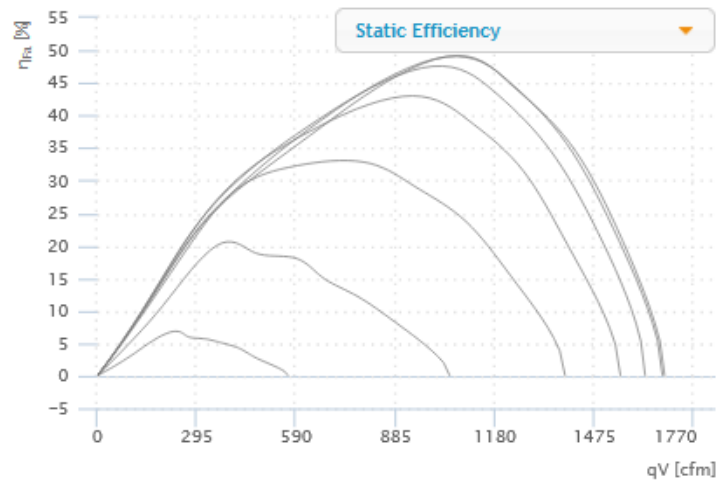
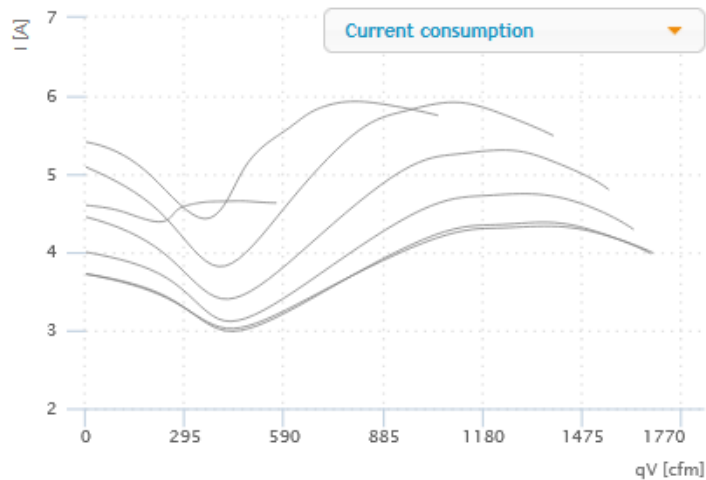
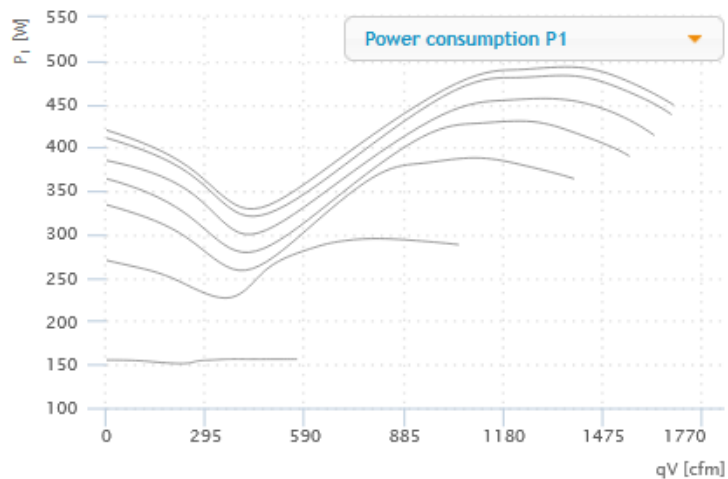
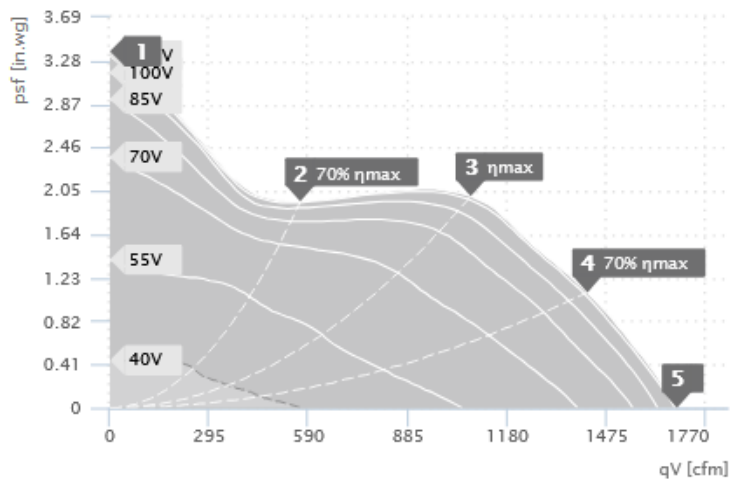
- Mixed flow fan with high efficiency rates
- 3D shaped impeller blades
- Galvanized metal housing
- Integrated power switch
- One-phase AC motor
- Including mounting bracket

12" Prime 60 Hz	
Voltage U_N	120 V 1~
Current I_{max}	6.2 A
Ambient temperature t_A	40 °C
Conveyed medium temperature t_M	40 °C
Speed Control	V
Motor protection	TMI
Insulation class motor	F
Weight	10,4 kg
Number of poles	2
IP motor	IP00
IP terminal box	IP44
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	3.7	3.2	4.2	4.3	4
Power consumption P_1	W	418	350	479	491	449
Rotation speed n	1/min	3431	3451	3395	3392	3424
SWL inlet L_{WA5}	dB(A)	86	83	81	81	84
SWL outlet L_{WA6}	dB(A)	90	87	85	85	88
SWL housing break out L_{WA2}	dB(A)	71	68	68	68	70



Type 12" Prime ID 147509		
Connection data entire unit		
Rated frequency	Hz	60
Rated voltage	V	120
Rated power	W	494
Max. operating current	A	6.2
Phase		1~
Motor Type		1~
Type of motor control		V
Motor protection		TMI
Capacitor μ	μF	20
Capacitor voltage	V	250
Insulation class motor		F
Number of poles		2
IP motor		IP00
IP terminal box		IP44
IP complete unit		IPX4
Min. operating temperature	°C	-25

Rated current	A	4.3
Rated speed	1/min	3390
Max. static efficiency	%	48.4
Max. total efficiency	%	51.3
Max. allowed frequency (3" motors)	Hz	-
Max. allowed RPM (EC-motors)	1/min	-
Max. power consumption	W	494
Max. current consumption	A	6.2
Max. rotation speed	1/min	3470
Max. air flow	m³/h	2860
Min. pressure	Pa	-
Max. pressure	Pa	840
Max. allowed ambient temperature at rated current	°C	80
Max. allowed medium temperature at rated current	°C	80
Max. allowed ambient temperature	°C	40
Max. allowed medium temperature	°C	40
Blocking current	A	19
Min. allowed voltage	V	40
Weight	kg	10,4

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	86	57	68	77	80	80	78	76	68
			2	83	50	65	74	77	77	75	72	63
			3	81	47	52	65	74	75	75	74	63
			4	81	46	49	64	73	75	75	77	64
			5	84	43	50	66	75	77	76	80	70
SWL outlet	L _{WA6}	dB(A)	1	90	57	71	79	83	86	84	79	72
			2	87	50	65	72	80	83	81	75	67
			3	85	49	56	68	78	81	79	74	65
			4	85	47	50	67	77	81	79	77	66
			5	88	49	52	68	79	84	82	81	72
SWL housing break out	L _{WA2}	dB(A)	1	71	56	58	60	65	65	64	59	54
			2	68	52	54	60	63	63	62	55	51
			3	68	49	51	59	63	61	61	56	50
			4	68	45	45	60	64	59	60	60	51
			5	70	46	42	61	64	63	62	63	55