

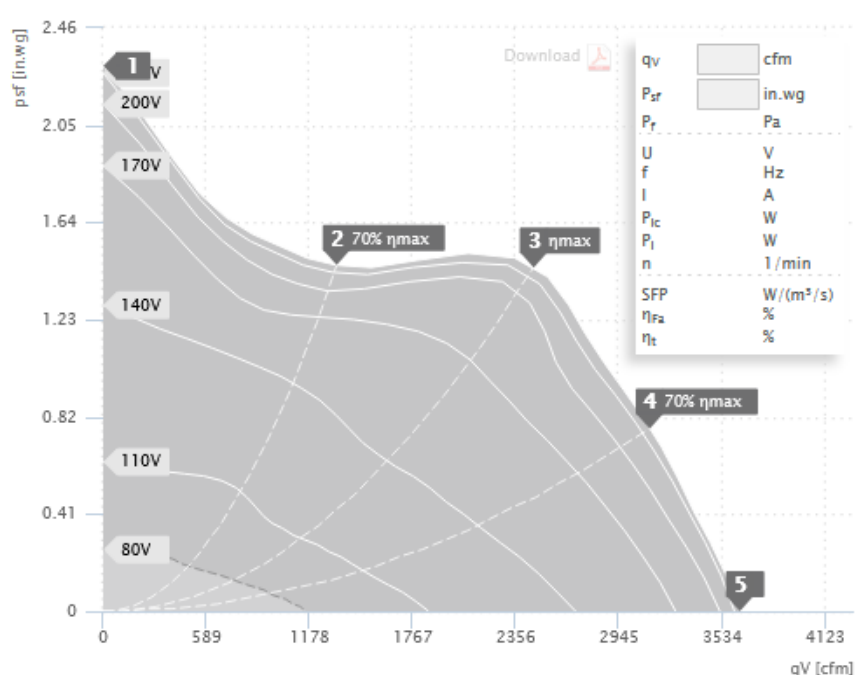
18" Prime | 147554



Price available upon request

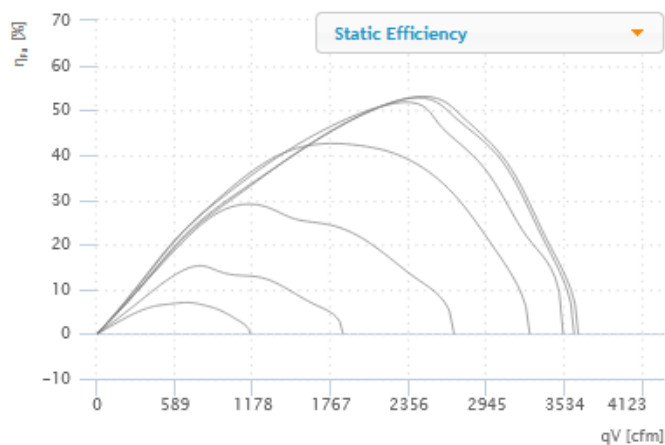
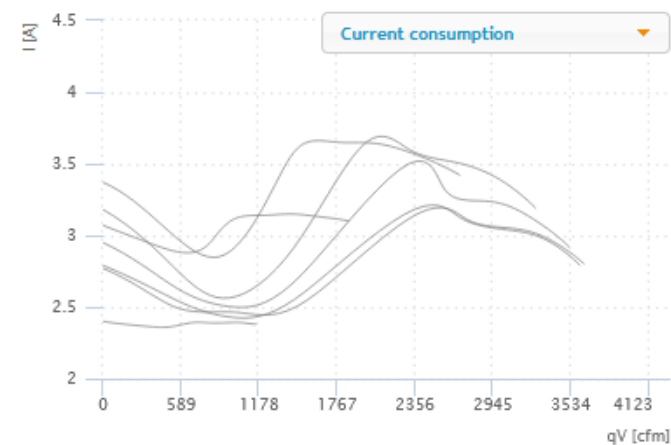
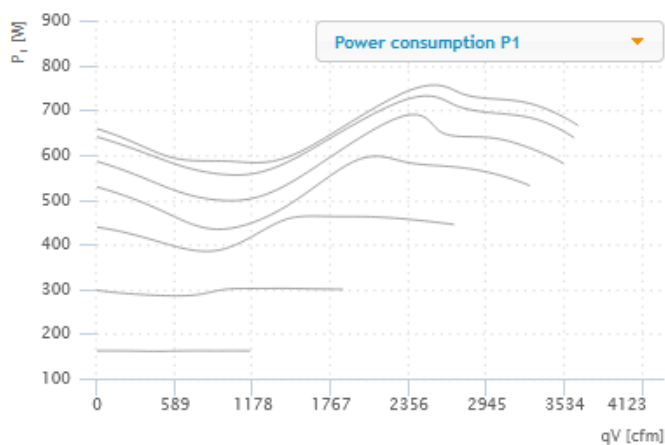
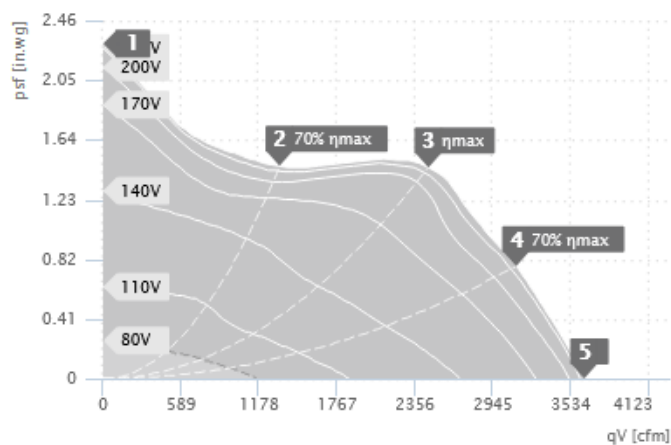
- Mixed flow fan with high efficiency rates
- 3D shaped impeller blades
- Aluminum housing
- One-phase AC motor
- Including mounting bracket

18" Prime 60 Hz	
Voltage U_N	240 V 1~
Current I_{max}	3.8 A
Ambient temperature t_a	80 °C
Conveyed medium temperature t_m	80 °C
Speed Control	V
Motor protection	TAO
Insulation class motor	F
Weight	18,4 kg
Number of poles	4
IP motor	IP54
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	2.8	2.4	3.2	3	2.8
Power consumption P_1	W	651	576	751	722	665
Rotation speed n	1/min	1696	1714	1683	1696	1710
SWL inlet L_{WA5}	dB(A)	86	83	79	80	83
SWL outlet L_{WA6}	dB(A)	89	87	83	84	87
SWL housing break out L_{WA2}	dB(A)	78	76	74	75	77



Type 18" Prime
ID 147554

Connection data entire unit		
Rated frequency	Hz	60
Rated voltage	V	240
Rated power	W	748
Max. operating current	A	3.8
Phase		1~
Motor Type		1~
Type of motor control		V
Motor protection		TAO
Capacitor μ	μF	12
Capacitor voltage	V	400
Insulation class motor		F
Number of poles		4
IP motor		IP54
IP terminal box		-
IP complete unit		-
Min. operating temperature	°C	-25

Rated current	A	3.2
Rated speed	1/min	1680
Max. static efficiency	%	53.2
Max. total efficiency	%	57
Max. allowed frequency (3" motors)	Hz	-
Max. allowed RPM (EC-motors)	1/min	-
Max. power consumption	W	748
Max. current consumption	A	3.8
Max. rotation speed	1/min	1730
Max. air flow	m³/h	6175
Min. pressure	Pa	-
Max. pressure	Pa	570
Max. allowed ambient temperature at rated current	°C	80
Max. allowed medium temperature at rated current	°C	80
Max. allowed ambient temperature	°C	80
Max. allowed medium temperature	°C	80
Blocking current	A	-
Min. allowed voltage	V	80
Weight	kg	18,4

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	58	70	77	80	80	78	73	64
			2	83	57	67	75	78	77	75	70	60
			3	79	43	57	70	73	74	71	66	55
			4	80	33	54	68	73	74	74	72	57
			5	83	37	60	74	75	76	76	76	61
SWL outlet	L _{WA6}	dB(A)	1	89	59	73	79	86	84	80	76	67
			2	87	58	70	76	83	81	77	73	63
			3	83	42	61	73	80	78	74	70	59
			4	84	35	59	74	80	78	75	72	60
			5	87	38	63	78	83	81	79	76	64
SWL housing break out	L _{WA2}	dB(A)	1	78	57	64	69	74	74	67	63	53
			2	76	49	60	68	72	70	61	58	47
			3	74	35	55	67	69	69	58	55	44
			4	75	35	56	67	71	69	61	61	46
			5	77	37	58	68	74	70	64	65	49