

Boreal Flow

HIGH PERFORMANCE ✓ DIRECT DRIVE ✓ VARIABLE STIR FAN ✓

INTELLIGENT DESIGN

- Optimized and unique design for high efficiency and maximum airflow
- Long throw – fewer fans to blow over long distance
- Very robust and minimum maintenance
- Engineered to produce less noise than conventional six-blade fans

ENERGY-EFFICIENT MOTORS

- EC fans - variable control and low energy consumption
- Direct-driven impellers – no belt to be changed
- Lower fan speeds boost energy savings
- IE5 and IP 66

- 1 or 3 phase motor 50/60 Hz
- Pre-wired with integrated junction box and disconnect switch.

NONCORROSIVE MATERIALS

- Housing of SMC
- UV-protected materials
- Nylon impeller
- Blades diameter: 55" (1395 mm)

ACCESSORIES

- Easy to install bracket mount or chain mounting
- Safety guards for intake and output



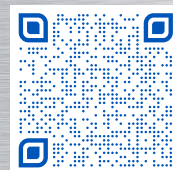
TECHNICAL INFORMATION

The table below shows the fan capacity and power consumption of Boreal Flow fans at different RPM.

Variants	PH	RPM	Hz	Amp	Watts used	Capacity CFM	Efficiency CFM/Watt	BESS Lab Test no.
Boreal Flow 55" 230V 50/60 Hz, 100%	1	550	50/60	4.86	817	25 500	31.2	c25004 (50 Hz) & c25003 (60 Hz)
Boreal Flow 55" 230V 50/60 Hz, 90%	1	504	50/60	3.64	607	22 900	37.8	
Boreal Flow 55" 230V 50/60 Hz, 80%	1	454	50/60	2.80	458	20 800	45.3	
Boreal Flow 55" 230V 50/60 Hz, 70%	1	413	50/60	2.19	353	18 900	53.5	
Boreal Flow 55" 230V 50/60 Hz, 60%	1	351	50/60	1.47	228	16 200	71.1	
Boreal Flow 55" 230V 50/60 Hz, 50%	1	300	50/60	1.00	149	13 700	92.5	
Boreal Flow 55" 230V 50/60 Hz, 40%	1	248	50/60	0.68	96	11 700	121.9	
Boreal Flow 55" 230V 50/60 Hz, 30%	1	202	50/60	0.45	60	9 700	161.1	
Boreal Flow 55" 230V 50/60 Hz, 100%	3	550	50/60	2.64	790	25 000	31.7	
Boreal Flow 55" 230V 50/60 Hz, 90%	3	496	50/60	2.02	602	22 700	37.7	
Boreal Flow 55" 230V 50/60 Hz, 80%	3	445	50/60	1.54	450	20 600	45.7	
Boreal Flow 55" 230V 50/60 Hz, 70%	3	410	50/60	1.27	365	19 200	52.5	
Boreal Flow 55" 230V 50/60 Hz, 60%	3	344	50/60	0.83	223	16 000	71.7	
Boreal Flow 55" 230V 50/60 Hz, 50%	3	293	50/60	0.58	149	13 700	91.4	
Boreal Flow 55" 230V 50/60 Hz, 40%	3	241	50/60	0.39	95	11 300	119.4	
Boreal Flow 55" 230V 50/60 Hz, 30%	3	200	50/60	0.29	64	9 600	148.9	
Boreal Flow 55" 460V 50/60 Hz, 100%	3	550	50/60	1.45	762	24 800	32.6	c25002 (50 Hz) & c25001 (60 Hz)
Boreal Flow 55" 460V 50/60 Hz, 90%	3	497	50/60	1.21	579	22 700	39.3	
Boreal Flow 55" 460V 50/60 Hz, 80%	3	447	50/60	0.99	426	20 400	47.8	
Boreal Flow 55" 460V 50/60 Hz, 70%	3	409	50/60	0.83	331	18 600	56.2	
Boreal Flow 55" 460V 50/60 Hz, 60%	3	346	50/60	0.64	221	16 400	74.2	
Boreal Flow 55" 460V 50/60 Hz, 50%	3	296	50/60	0.50	144	14 100	98.0	
Boreal Flow 55" 460V 50/60 Hz, 40%	3	246	50/60	0.38	94	12 200	130.8	
Boreal Flow 55" 460V 50/60 Hz, 30%	3	200	50/60	0.29	59	10 500	176.1	

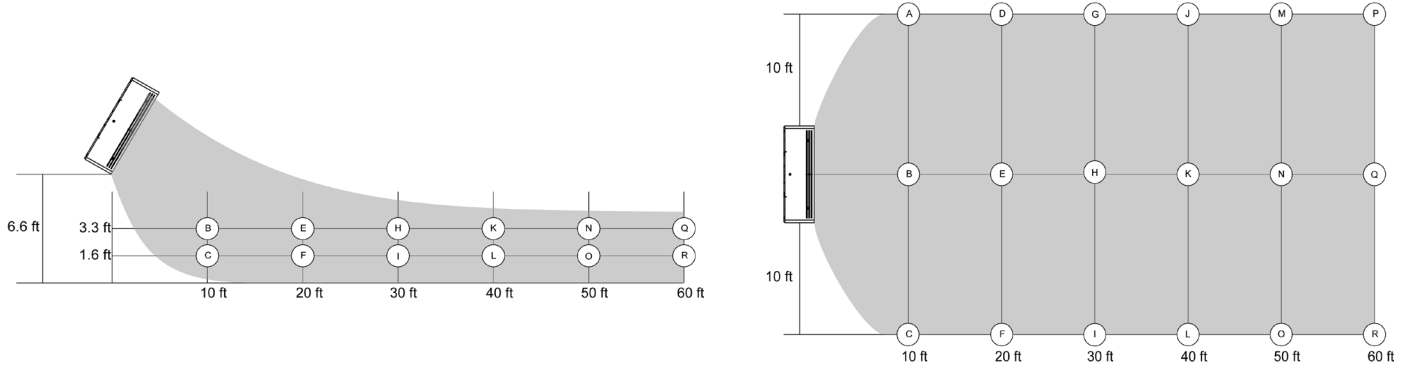


For more information
skov-secco.com



Boreal Flow

TECHNICAL INFORMATION



Measured air speed																		
in ft/min	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Side view		331.04	202.26		640.55	557.74		629.92	732.28		545.60	701.44		411.09	588.58		381.89	503.94
Top view 1.64 ft (0.5 m)	73.13	202.26	106.07	101.18	557.74	342.19	168.96	732.28	581.36	271.00	701.44	540.03	284.09	588.58	605.97	305.45	503.94	569.23
Top view 3.28 ft (1.0 m)	121.09	331.04	120.08	269.36	640.55	557.74	350.07	629.92	581.36	284.78	545.60	152.26	381.89	411.09	153.58	394.36	381.89	216.34



Air speed (1.65 ft from floor level at 15 degree incline)

- ✓ 700 fpm = 7.95 mi/h (3.56 m/sec) at 40 ft (12 m) distance
- ✓ 590 fpm = 6.70 mi/h (3.00 m/sec) at 50 ft (15 m) distance

For more information

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