

# 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



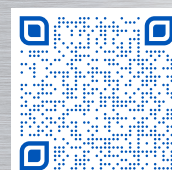
## TECHNICAL INFORMATION

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

Variants	PH	RPM	Hz	Amp	Watts used	Capacity CFM	Efficiency CFM/Watt
<b>Boreal Flow 55" 230V 50/60 Hz, 100%</b>	1	550	50/60	4.86	817	25 480	31.19
Boreal Flow 55" 230V 50/60 Hz, 90%	1	504	50/60	3.64	607	22 896	37.74
Boreal Flow 55" 230V 50/60 Hz, 80%	1	454	50/60	2.80	458	20 777	45.32
Boreal Flow 55" 230V 50/60 Hz, 70%	1	413	50/60	2.19	353	18 893	53.49
Boreal Flow 55" 230V 50/60 Hz, 60%	1	351	50/60	1.47	228	16 186	71.08
Boreal Flow 55" 230V 50/60 Hz, 50%	1	300	50/60	1.00	149	13 743	92.52
Boreal Flow 55" 230V 50/60 Hz, 40%	1	248	50/60	0.68	96	11 683	121.94
Boreal Flow 55" 230V 50/60 Hz, 30%	1	202	50/60	0.45	60	9 712	161.07
<b>Boreal Flow 55" 230V 50/60 Hz, 100%</b>	3	550	50/60	2.64	790	24 994	31.65
Boreal Flow 55" 230V 50/60 Hz, 90%	3	496	50/60	2.02	602	22 695	37.68
Boreal Flow 55" 230V 50/60 Hz, 80%	3	445	50/60	1.54	450	20 564	45.74
Boreal Flow 55" 230V 50/60 Hz, 70%	3	410	50/60	1.27	365	19 170	52.53
Boreal Flow 55" 230V 50/60 Hz, 60%	3	344	50/60	0.83	223	16 013	71.71
Boreal Flow 55" 230V 50/60 Hz, 50%	3	293	50/60	0.58	149	13 660	91.44
Boreal Flow 55" 230V 50/60 Hz, 40%	3	241	50/60	0.39	95	11 288	119.35
Boreal Flow 55" 230V 50/60 Hz, 30%	3	200	50/60	0.29	64	9 574	148.91
<b>Boreal Flow 55" 460V 50/60 Hz, 100%</b>	3	550	50/60	1.45	762	24 837	32.60
Boreal Flow 55" 460V 50/60 Hz, 90%	3	497	50/60	1.21	579	22 728	39.27
Boreal Flow 55" 460V 50/60 Hz, 80%	3	447	50/60	0.99	426	20 372	47.77
Boreal Flow 55" 460V 50/60 Hz, 70%	3	409	50/60	0.83	331	18 582	56.20
Boreal Flow 55" 460V 50/60 Hz, 60%	3	346	50/60	0.64	221	16 383	74.23
Boreal Flow 55" 460V 50/60 Hz, 50%	3	296	50/60	0.50	144	14 099	97.95
Boreal Flow 55" 460V 50/60 Hz, 40%	3	246	50/60	0.38	94	12 236	130.75
Boreal Flow 55" 460V 50/60 Hz, 30%	3	200	50/60	0.29	59	10 474	176.09

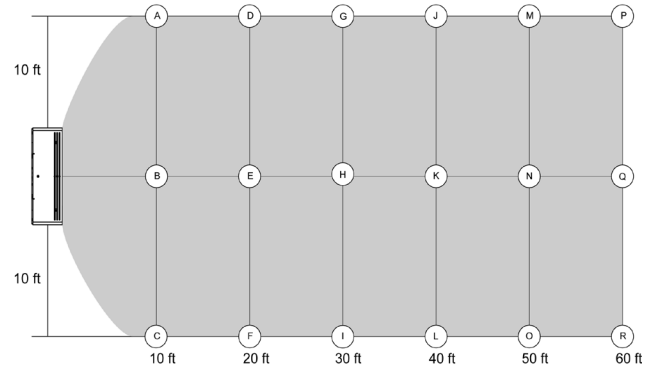
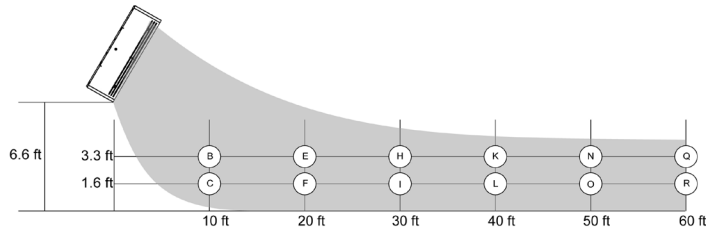


For more information  
[skov-secco.com](http://skov-secco.com)



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## 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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