

Boreal Flow

HIGH PERFORMANCE ✓ DIRECT DRIVE ✓ VARIABLE STIR FAN ✓

The Boreal Flow fan is engineered to optimize indoor climate conditions, contributing to healthy and productive dairy cattle. This 55" fan has an EC motor and a direct-driven impeller, making it energy-efficient and low-maintenance. This recirculation fan has a remarkable design and is truly distinctive in the agricultural industry.

By using this recirculation fan, heat stress can be prevented and productivity optimized.

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
- Lower fan speeds boost energy savings

ENERGY-EFFICIENT MOTORS

- EC fans - variable control and low energy consumption
 - Direct-driven impellers – no belt to be changed
 - IE5 and IP66
 - 1 or 3 phase motor 50/60 Hz
- *3-phase motor is powered by 3-phase current only

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

Variants	PH	Amp	Watts used	RPM	Capacity m ³ /h	Efficiency Watt/1000 m ³ /h	Speed	BESS Lab Test no.
Boreal Flow 55" 230V 50/60 Hz	1	4.86	817	550	43 300	18.87	EC variable	c25004 (50 Hz) & c25003 (60 Hz)
Boreal Flow 55" 230V 50/60 Hz	3	2.64	790	550	42 450	18.60	EC variable	
Boreal Flow 55" 460V 50/60 Hz	3	1.24	762	550	42 200	18.05	EC variable	c25002 (50 Hz) & c25001 (60 Hz)



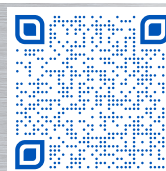
Air speed (0.5 m from floor level at 15 degree incline)

- ✓ 3.56 m/sec at 12 m distance
- ✓ 3.00 m/sec at 15 m distance



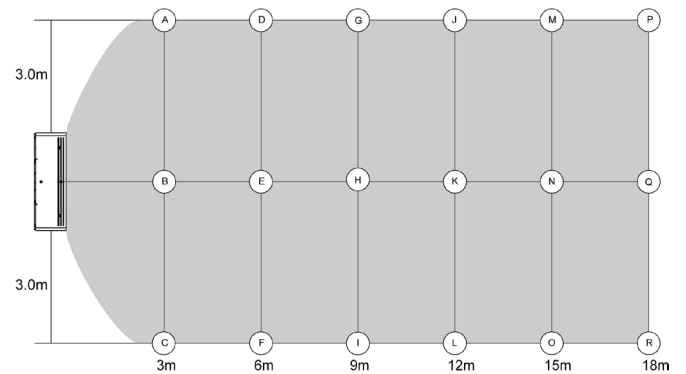
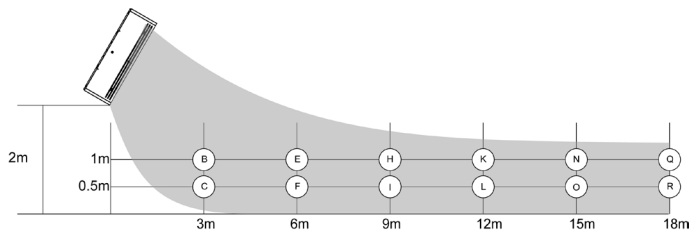
For more information

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TECHNICAL INFORMATION



Measured air speed																		
(in m/s)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Side view		1.68	1.03		3.25	2.83		3.20	3.72		2.77	3.56		2.09	2.99		1.94	2.56
Top view 0.5 m	0.37	1.03	1.68	0.51	2.83	1.74	0.86	3.72	2.95	1.38	3.56	2.74	1.44	2.99	3.08	1.55	2.56	2.89
Top view 1.0 m	0.62	1.68	0.61	1.37	3.25	2.83	1.78	3.20	0.52	1.45	2.77	0.77	1.94	2.09	0.78	2.00	1.94	1.10



For more information

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