

Altra-Air HVLS Fans & The Agriculture Industry

Altra-Air fans with WhalePower Technology

- * Largest cfm rating of any HVLS fan on market
- * Effective cooling and air circulation to improve livestock and occupant comfort
- * Highest energy efficiency
- * Quiet operation

Technical Specifications

- * Fans range from 8 ft to 24 ft in diameter
- * Capable of moving nearly 400,000 cfm
- * Operates on 1 to 2 hp
- * Creates a non-disruptive airflow
- * CSA and CE certified



Altra-Air Fans with WhalePower Technology are designed in conjunction with WhalePower Corporation and manufactured by Envira-North Systems Ltd.

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Performance Specifications

Fan Size In Diameter	8 ft 2.4 m	12 ft 3.7 m	16 ft 4.9 m	20 ft 6.1 m	24 ft 7.3 m
Motor Power	1 HP 0.75 kW	1 HP 0.75 kW	1.5 HP 1.1 kW	2 HP 1.5 kW	2 HP 1.5 kW
Power Consumption	644 W 644 W	644 W 644 W	805 W 805 W	1403 W 1403 W	1403 W 1403 W
Actual Amps at 230 Volt	2.8 A 2.8 A	2.8 A 2.8 A	3.5 A 3.5 A	6.3 A 6.3 A	6.3 A 6.3 A
Torque	68 ft-lbs 92 Nm	85 ft-lbs 115 Nm	180 ft-lbs 244 Nm	250 ft-lbs 339 Nm	290 ft-lbs 393 Nm
Thrust	n/a n/a	n/a n/a	160 lbs 715 N	210 lbs 928 N	170 lbs 756 N
Speed	154 rpm 154 rpm	123 rpm 123 rpm	73 rpm 73 rpm	63 rpm 63 rpm	57 rpm 57 rpm
Airflow	42,136 cfm 19,886 l/s	134,152 cfm 63,313 l/s	182,173 cfm 85,976 l/s	330,050 cfm 155,766 l/s	397,701 cfm 187,693 l/s
Maximum Eff. Diameter	35 ft 10.7 m	80 ft 24.3 m	140 ft 42.7 m	200 ft 61.0 m	230 ft 70.1 m
Weight (No Mount)	214 lbs 97 kgs	235 lbs 106.6 kgs	265 lbs 120.2 kgs	310 lbs 140.6 kgs	330 lbs 149.7 kgs
Noise Level (measured 20 ft at blade height and 20 ft horizontally from fan centre)	n/a n/a	n/a n/a	n/a n/a	n/a n/a	59 dBA 59 dBA

Specifications may vary due to electrical and environmental conditions.

Specifications subject to change without notice.

Maximum effective diameter is where horizontal airspeed at 1.2 m above floor drops below 0.2 m/s in an empty room.



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