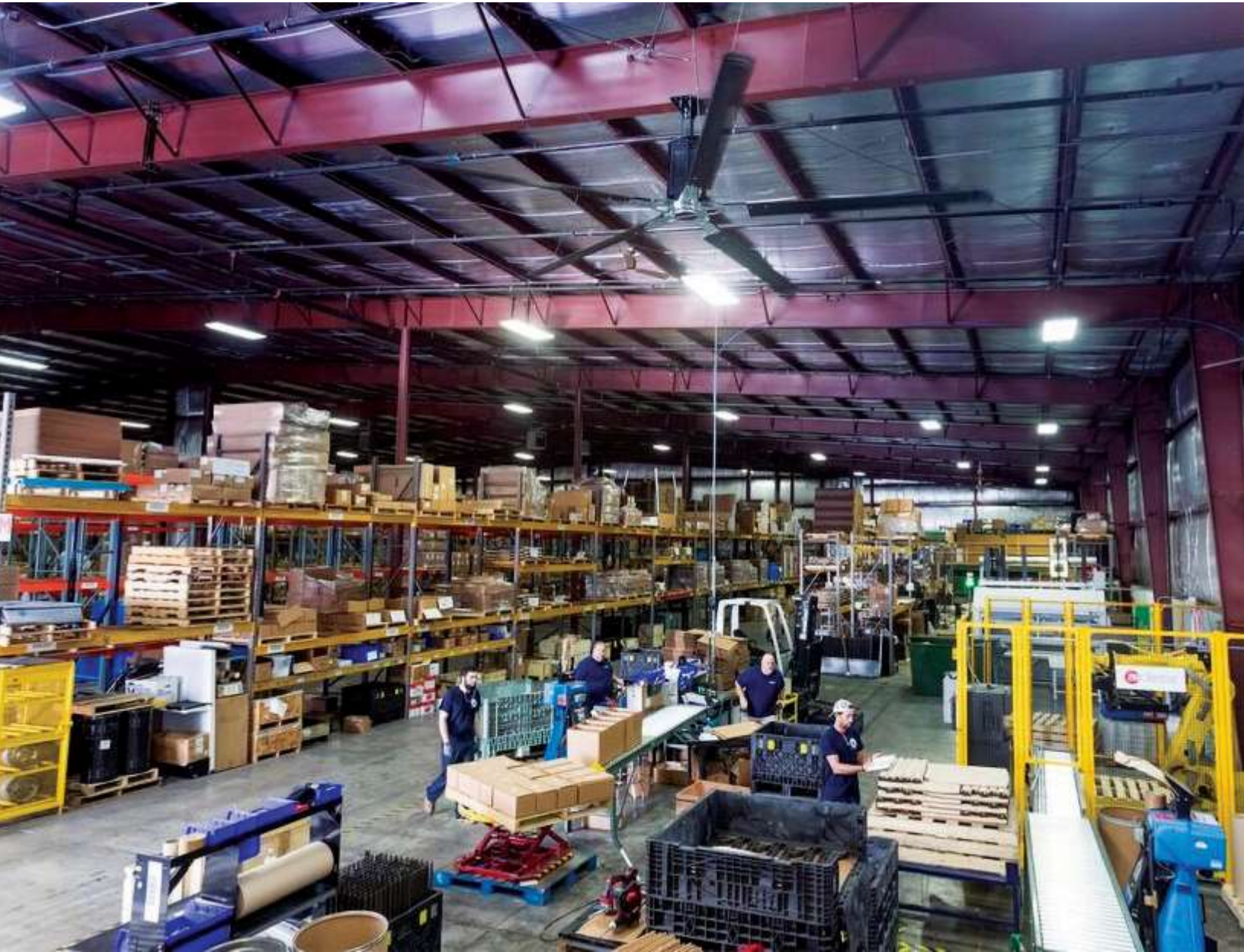


MegaStream High-Volume Low-Speed Fan



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MegaStream High-Volume Low-Speed Fan

MegaStream Product Details

PRODUCT DESCRIPTION

MegaStream high volume low speed (HVLS) fans are ideal for providing near ground effect air movement. The unit's low speed operation means it is energy efficient and noticeably quiet. This is a low-cost solution for ventilating a specific area.

STANDARD FEATURES

- Diameter: 8 – 24 feet
- Motor Size
 - 1.5 HP (All Blade Sizes except 24FT)
 - 2 HP (24 FT/7.3 M Blades Only)
- Optimized 5-blade profile for low-speed rotary airfoil and near ground effect
- Corrosion-resistant anodized blades
- Patent pending aluminum hub and blade support system
- High efficiency VFD
- Adjustable speed control panel with forward/off/reverse switch, self-diagnostics and 4-digit pass code protection
- Supplied with 25 feet of Power Cable prewired to fan motor
- Fused disconnect
- Patented facility fire system compatibility

OPTIONAL FEATURES

- Mounting Extension
- Extra Wide Beam Plate
- Powder Coated Blades
- Custom Powder Coated Frame & Mount
- Fire Control Panel (Standard & Networked Fans)
- Multiple Fan Remote
- BAS Integration

PRODUCT BENEFITS

- Near ground effect air throw distance, horizontal floor jet of 3-9 ft (1-3 m)
- Easy customization of fan to fit customers applications
- NACA airfoil profile reduces drag while producing more airflow
- Fan Safety System incorporates steel hub, aircraft-grade safety cable and guy wires
- Wired touch screen standard controls
- Less than 55 dBA*
- UL 507 certification

INDUSTRIAL APPLICATIONS

- | | | |
|------------------|-----------------|---------------------|
| • Warehouses | • Storage Areas | • Garages and Docks |
| • Assembly Areas | • Workshops | • Break Rooms |

MegaStream High-Volume Low-Speed Fan

MegaStream Submittal Data

STANDARD FEATURES

- Fan Diameter: 8 – 24 FT.
- Motor Size:
 - All blades except 24 FT: 1.5 HP
 - 24 Blades only: 2 HP
- Optimized 5-blade profile for low-speed rotary airfoil application and near ground effect
- Large “Air Current Depth” - horizontal floor jet of 3-9 ft (1-3 m)
- NACA airfoil profile reduces drag while producing more airflow
- Standard black corrosion-resistant anodized blades
- Fan Safety System incorporates steel hub, aircraft-grade safety cable and guy wires
- Aluminum hub and blade support system
- High efficiency Variable Frequency Drive (VFD)
- Less than 55 dBA*
- Adjustable speed control panel with forward/ off/ reverse switch, self-diagnostics and 4-digit pass code protection
- Aerodynamic blade winglets
- Supplied with 25 feet of Power Cable pre-wired to fan motor (connection to power source by others)
- Fused disconnect
- Patented facility fire system compatibility
- ULC 507 Approved (Entire Fan)



FAN SIZE	HP	HANGING WEIGHT	CEILING SPACING	RPM
8 FT	1 HP	166 lbs.	55 feet	198
10 FT	1 HP	174 lbs.	60 feet	154
12 FT	1 HP	183 lbs.	65 feet	125
14 FT	1 HP	191 lbs.	70 feet	106
16 FT	2 HP	216 lbs.	90 feet	92
18 FT	2 HP	224 lbs.	95 feet	81
20 FT	2 HP	232 lbs.	100 feet	72
24 FT	2 HP	249 lbs.	110 feet	60

OPTIONAL FEATURES

- Mounting Extensions
- Extra Wide Beam Plates
- Powder Coated Blades
- Custom Powder Coated Frame & Mount
- Fire Control Panel (Standard & Networked Fans)
- Multiple Fan Remote (2–6)
- BAS Integration

MegaStream High-Volume Low-Speed Fan

MegaStream 5 Specifications

Fan Size / Impeller Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power W	Direction of Operation	Stand By Power	Integrated Efficiency (CFM / Watt)
8'	100%	40,475	196	480 V / 3 PHASE	480 / 3 / 60	657	FORWARD	10.4 W	61.64
8'	80%	31672	157	480 V / 3 PHASE	480 / 3 / 60	370	FORWARD	10.4 W	85.68
8'	60%	23796	118	480 V / 3 PHASE	480 / 3 / 60	225	FORWARD	10.4 W	105.73
8'	40%	15916	79	480 V / 3 PHASE	480 / 3 / 60	154	FORWARD	10.4 W	103.15
8'	20%	7740	39	480 V / 3 PHASE	480 / 3 / 60	130	FORWARD	10.4 W	59.50
Fan Size / Impeller Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power W	Direction of Operation	Stand By Power	Integrated Efficiency (CFM / Watt)
10'	100%	59606	154	480 V / 3 PHASE	480 / 3 / 60	716	FORWARD	10.8 W	83.30
10'	80%	47719	124	480 V / 3 PHASE	480 / 3 / 60	442	FORWARD	10.8 W	107.96
10'	60%	34926	92	480 V / 3 PHASE	480 / 3 / 60	244	FORWARD	10.8 W	142.97
10'	40%	23239	62	480 V / 3 PHASE	480 / 3 / 60	169	FORWARD	10.8 W	137.94
10'	20%	10945	31	480 V / 3 PHASE	480 / 3 / 60	132	FORWARD	10.8 W	82.82
Fan Size / Impeller Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power W	Direction of Operation	Stand By Power	Integrated Efficiency (CFM / Watt)
12'	100%	80305	125	480 V / 3 PHASE	480 / 3 / 60	796	FORWARD	9 W	100.95
12'	81%	63805	100	480 V / 3 PHASE	480 / 3 / 60	462	FORWARD	9 W	138.24
12'	59%	47510	75	480 V / 3 PHASE	480 / 3 / 60	261	FORWARD	9 W	182.23
12'	40%	31245	50	480 V / 3 PHASE	480 / 3 / 60	174	FORWARD	9 W	179.89
12'	19%	15041	25	480 V / 3 PHASE	480 / 3 / 60	123	FORWARD	9 W	122.08
Fan Size / Impeller Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power W	Direction of Operation	Stand By Power	Integrated Efficiency (CFM / Watt)
14'	100%	106143	106	480 V / 3 PHASE	480 / 3 / 60	982	FORWARD	10.3 W	108.08
14'	81%	87784	85	480 V / 3 PHASE	480 / 3 / 60	532	FORWARD	10.3 W	159.51
14'	60%	62625	63	480 V / 3 PHASE	480 / 3 / 60	289	FORWARD	10.3 W	216.78
14'	41%	41616	42	480 V / 3 PHASE	480 / 3 / 60	181	FORWARD	10.3 W	230.12
14'	21%	20288	21	480 V / 3 PHASE	480 / 3 / 60	127	FORWARD	10.3 W	159.39
Fan Size / Impeller Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power W	Direction of Operation	Stand By Power	Integrated Efficiency (CFM / Watt)
16'	100%	132919	90	480 V / 3 PHASE	480 / 3 / 60	970	FORWARD	10.7 W	136.98
16'	81%	106297	742	480 V / 3 PHASE	480 / 3 / 60	574	FORWARD	10.7 W	185.13
16'	60%	79701	54	480 V / 3 PHASE	480 / 3 / 60	319	FORWARD	10.7 W	249.57
16'	40%	52190	36	480 V / 3 PHASE	480 / 3 / 60	186	FORWARD	10.7 W	280.06
16'	20%	24779	18	480 V / 3 PHASE	480 / 3 / 60	138	FORWARD	10.7 W	179.51
Fan Size / Impeller Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power W	Direction of Operation	Stand By Power	Integrated Efficiency (CFM / Watt)
18'	100%	164103	81	480 V / 3 PHASE	480 / 3 / 60	1136	FORWARD	10.2 W	144.43
18'	80%	137713	65	480 V / 3 PHASE	480 / 3 / 60	637	FORWARD	10.2 W	206.85
18'	59%	99141	49	480 V / 3 PHASE	480 / 3 / 60	361	FORWARD	10.2 W	274.22
18'	40%	63637	32	480 V / 3 PHASE	480 / 3 / 60	201	FORWARD	10.2 W	317.34
18'	21%	29406	16	480 V / 3 PHASE	480 / 3 / 60	148	FORWARD	10.2 W	199.24
Fan Size / Impeller Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power W	Direction of Operation	Stand By Power	Integrated Efficiency (CFM / Watt)
20'	100%	191503	72	480 V / 3 PHASE	480 / 3 / 60	1237	FORWARD	13 W	154.83
20'	81%	150987	58	480 V / 3 PHASE	480 / 3 / 60	663	FORWARD	13 W	227.28
20'	60%	112404	44	480 V / 3 PHASE	480 / 3 / 60	366	FORWARD	13 W	306.83
20'	40%	64476	29	480 V / 3 PHASE	480 / 3 / 60	198	FORWARD	13 W	341.53
20'	19%	37997	14	480 V / 3 PHASE	480 / 3 / 60	149	FORWARD	13 W	262.44
Fan Size / Impeller Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power W	Direction of Operation	Stand By Power	Integrated Efficiency (CFM / Watt)
24'	100%	237716	55	480 V / 3 PHASE	480 / 3 / 60	1193	FORWARD	11 W	199.33
24'	80%	189628	44	480 V / 3 PHASE	480 / 3 / 60	641	FORWARD	11 W	295.67
24'	60%	135762	33	480 V / 3 PHASE	480 / 3 / 60	336	FORWARD	11 W	404.32
24'	40%	88311	22	480 V / 3 PHASE	480 / 3 / 60	188	FORWARD	11 W	468.97
24'	20%	53577	11	480 V / 3 PHASE	480 / 3 / 60	143	FORWARD	11 W	375.96