ROMLAIR

MODEL M

High-Volume Low Speed (HVLS) Fan

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MODEL M MEGASTREAM HVLS FANS

Model M MegaStream high volume low speed (HVLS) fans are ideal for providing near-ground effect (*Airflow of 3 - 9 FT*) air movement. The powerful, low speed motor ensures energy efficiency and quiet (<55 Dba.) operation. Units are customizable (blades, plates, controls) to fit each customer's needs.

FEATURES

FAN DIAMETER: 8 – 24 feet.

MOTOR: High-efficiency variable frequency drive (VFD). Power is dependent on blade size.

1.5 HP (8 FT - 20 FT)
2 HP (24 FT)

BLADES: Corrosion-resistant anodized blades in patent pending aluminum hub and blade support system. Efficient NACA Airfoil Profile Reduces Drag While Producing More Airflow.•

CONTROLS: Touch-screen control panel with forward/off/reverse switch, self-diagnostics, and 4-digit pass code protection. Wired control panel comes with a 25 FT power cable, pre-wired to the fan motor. Patented facility fire system compatibility

CERTIFICATION: UL 507 Certification.

SAFETY FEATURES: include fused disconnect, steel Hub, aircraft-grade safety cable, and guy wires.

ACCESSORIES

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

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

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SPECIFICATIONS

Fan Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power	Operation Direction	Stand By Power	Efficiency (CFM / Watt)
8'	100%	40,475	196	480 V / 3 PHASE	480 / 3 / 60	657 W	FORWARD	10.4 W	61.64
8'	80%	31672	157		480 / 3 / 60	370 W		10.4 W	85.68
8'	60%	23796	118		480 / 3 / 60	225 W		10.4 W	105.73
8'	40%	15916	79		480 / 3 / 60	154 W		10.4 W	103.15
8'	20%	7740	39		480 / 3 / 60	130 W		10.4 W	59.50

Fan Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power	Operation Direction	Stand By Power	Efficiency (CFM / Watt)
10'	100%	59606	154	480 V / 3 PHASE	480 / 3 / 60	716 W	FORWARD	10.8 W	83.30
10'	80%	47719	124		480 / 3 / 60	442 W		10.8 W	107.96
10'	60%	34926	92		480 / 3 / 60	244 W		10.8 W	142.97
10'	40%	23239	62		480 / 3 / 60	169 W		10.8 W	137.94
10'	20%	10945	31		480 / 3 / 60	132 W		10.8 W	82.82

Fan Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power	Operation Direction	Stand By Power	Efficiency (CFM / Watt)
12'	100%	80305	125	480 V / 3 PHASE	480 / 3 / 60	796 W	FORWARD	9 W	100.95
12'	81%	63805	100		480 / 3 / 60	462 W		9 W	138.24
12'	59%	47510	75		480 / 3 / 60	261 W		9 W	182.23
12'	40%	31245	50		480 / 3 / 60	174 W		9 W	179.89
12'	19%	15041	25		480 / 3 / 60	123 W		9 W	122.08

Fan Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power	Operation Direction	Stand By Power	Efficiency (CFM / Watt)
14'	100%	106143	106	480 V / 3 PHASE	480 / 3 / 60	982 W	FORWARD	10.3 W	108.08
14'	81%	87784	85		480 / 3 / 60	532 W	FORWARD	10.3 W	159.51
14'	60%	62625	63		480 / 3 / 60	289 W	FORWARD	10.3 W	216.78
14'	41%	41616	42		480 / 3 / 60	181 W	FORWARD	10.3 W	230.12
14'	21%	20288	21		480 / 3 / 60	127 W	FORWARD	10.3 W	159.39

SPECIFICATIONS

Fan Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power	Operation Direction	Stand By Power	Efficiency (CFM / Watt)
16'	100%	132919	90	480 V / 3 PHASE	480 / 3 / 60	970 W	FORWARD	10.7 W	136.98
16'	81%	106297	742		480 / 3 / 60	574 W		10.7 W	185.13
16'	60%	79701	54		480 / 3 / 60	319 W		10.7 W	249.57
16'	40%	52190	36		480 / 3 / 60	186 W		10.7 W	280.06
16'	20%	24779	18		480 / 3 / 60	138 W		10.7 W	179.51

Fan Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power	Operation Direction	Stand By Power	Efficiency (CFM / Watt)
18'	100%	164103	81	480 V / 3 PHASE	480 / 3 / 60	1136 W	FORWARD	10.2 W	144.43
18'	80%	137713	65		480 / 3 / 60	637 W		10.2 W	206.85
18'	59%	99141	49		480 / 3 / 60	361 W		10.2 W	274.22
18'	40%	63637	32		480 / 3 / 60	201 W		10.2 W	317.34
18'	21%	29406	16		480 / 3 / 60	148		10.2 W	199.24

Fan Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power	Operation Direction	Stand By Power	Efficiency (CFM / Watt)
20'	100%	191503	72	480 V / 3 PHASE	480 / 3 / 60	1237 W	FORWARD	13 W	154.83
20'	81%	150987	58		480 / 3 / 60	663 W		13 W	227.28
20'	60%	112404	44		480 / 3 / 60	366 W		13 W	306.83
20'	40%	64476	29		480 / 3 / 60	198 W		13 W	341.53
20'	19%	37997	14		480 / 3 / 60	149 W		13 W	262.44

Fan Diameter	Calculated % of Max CFM	CFM	Fan RPM	Input Power	Voltage / Phase / Frequency	Input Power	Operation Direction	Stand By Power	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 / 3 / 60	641		11 W	295.67
24'	60%	135762	33		480 / 3 / 60	336		11 W	404.32
24'	40%	88311	22		480 / 3 / 60	188		11 W	468.97
24'	20%	53577	11		480 / 3 / 60	143		11 W	375.96