



Product sheet
VX Series with Munters Drive

- Reduce fan energy costs up to 40%
- Maintenance FREE
 - No bearing maintenance
 - No belts to replace
- Reduce your carbon footprint
- Optional modes HE, HR, HO providing increased ventilation and savings
- Qualifies for energy rebates
- Patent Pending

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VX 48", 51" and 55" with Munters Drive

Munters has engineered the latest advancement in motor technology by developing this unique motor drive system. It is designed for high performance and low energy consumption. The revolutionary motor offers up to a 40% reduction in electrical usage and is nearly maintenance free, helping to reduce your carbon foot print, save money and usher in a "greener" approach to agricultural and horticultural ventilation.

The motor drive system offers three different airflow and efficiency options, allowing for a customized approach to ventilation. Options include High Efficiency (HE) for minimum ventilation, High Output (HO) to move a large volume of air, High Rebate (HR) that will maximize output while qualifying for regional energy efficiency rebates.

This motor technology is an excellent addition to Munters' already innovative product lines, offering significant advantages that include energy reduction, no maintenance of belts and bearings, lower installation costs, no variable frequency drive or thermal overloads are required and a soft start-up, eliminating energy spikes. The motor runs cool and quiet, for longer motor and bearing life. The motor is designed to be easily retrofitted to your existing traditional Munters/Aerotech fans. All these savings add up to a powerful return on investment (ROI) and an improved ventilation system.



Performance Information: 51" Vortex, Three Phase - 460 Volt Motor and Drive

	0.00" SP			0.05" SP		0.10" SP		0.15" SP		0.20" SP		
	RPM	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	BESS Lab Test
High Efficiency -HE	540	28,200	31.0	26,500	27.6	24,500	24.1	22,100	20.8	19,300	17.7	12201
High Rebate - HR	595	31,300	25.8	29,700	23.2	28,000	21.0	26,100	18.8	24,000	16.8	12203
High Output - HO	655	34,800	21.2	33,400	19.4	31,900	17.7	30,300	16.2	28,600	14.7	12204

Performance Information: 55" Vortex, Three Phase - 460 Volt Motor and Drive

	0.00" SP			0.05" SP		0.10" SP		0.15" SP		0.20" SP		
	RPM	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	BESS Lab Test
High Efficiency -HE	490	32,000	26.8	30,200	24.1	28,000	21.4	25,500	18.9	22,300	16.3	12197
High Rebate - HR	495	32,400	26.3	30,500	23.5	28,300	21.0	25,800	18.6	22,800	16.1	12197
High Output - HO	555	36,700	20.9	34,900	19.2	33,000	17.5	31,000	15.9	28,900	14.6	12199

Performance Information: 51" Vortex, Three Phase - 460 Volt Motor and Drive

	0.00" SP			0.05" SP		0.10" SP		BESS Lab Test
	RPM	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	
1/2 Airflow	405	19,900	47.7	17,200	38.1	14,000	29.8	12205

Performance Information: 55" Vortex, Three Phase - 460 Volt Motor and Drive

	0.00" SP			0.05" SP		0.10" SP		BESS Lab Test
	RPM	CFM	CFM/Watt	CFM	CFM/Watt	CFM	CFM/Watt	
1/2 Airflow	375	23,300	41.8	20,500	34.4	16,500	27.0	12200



Notes:
1. The ratings shown are based on tests and procedures performed at the BESS Lab, University of Illinois in accordance with ASHRAE Standard 51-1999.

Performance Information: 48" VX, Three Phase - 460 Volt Motor and Drive

	0.00" SP			0.05" SP		0.10" SP		0.15" SP		0.20" SP		
	RPM	CFM	CFM/WATT	CFM	CFM/WATT	CFM	CFM/WATT	CFM	CFM/WATT	CFM	CFM/WATT	test #
High Efficiency -HE	594	25,000	25.4	23,500	22.7	21,900	20.5	20,100	18.2	18,000	15.9	13412
High Rebate - HR	649	27,500	21.6	26,300	19.8	24,800	18.0	23,300	16.4	21,400	14.7	13413
High Output - HO	688	29,300	19.4	27,900	17.7	26,600	16.4	25,200	15.0	23,700	13.7	13414

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