











Munters Vortex Series

VX36, VX48, VX51, VX55 with Munters Drive

Features

- Reduces energy consumption by up-to 40%
- Maintenance-free bearings and no belts or tensioners
- Variable speed or custom modes delivers optimal ventilation for your operation
- Industry leading 5-year warranty
- Custom ventilation modes delivering optimal ventilation
- IP66 rated drive enclosure and wash down motor designed specifically for the tough Agricultural Environment
- Qualifies for energy rebates with local utilities

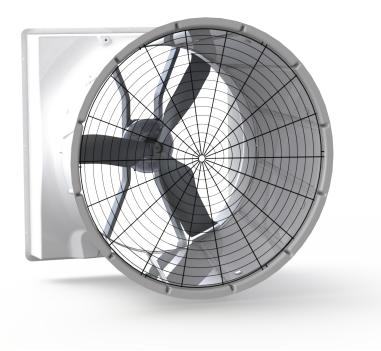


Munters set the bar with its patented Munters Drive motor technology. Today, Munters leads the EC motor market with more than 25,000 units in the field. Engineered for high performance and low energy consumption, Vortex series fans equipped with Munters Drive can reduce electric energy consumption by 40%, are nearly maintenance free, lower energy costs, and are part of a sustainable system design.

The Munters Drive motor system offers three different airflow and efficiency options, for a customized approach to ventilation. Options include High Efficiency (HE) for the lowest energy consumption, 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 EC motor technology is an excellent addition to Munters already innovative product lines. Munters Drive offers significant advantages including: energy reduction, no maintenance of belts and bearings, lower installation costs, no additional variable frequency drive or thermal overloads are required, and a soft start-up eliminates energy spikes. The motor is designed to be easily retrofitted to your existing traditional Munters fans.

All of these savings add up to a powerful return on investment (ROI) and an improved ventilation system. With a 5-year industry leading warranty, Munters stands behind its products. Munters has been building ventilation systems for over 75 years. Sustainability is at the heart of our business.



Vortex



Munters Drive

PS_VORTEX 36-55-MD_211117_EN

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Performance Information

		0.0" SP		0.05" SP		0.10" SP		0.15" SP		0.20" SP			
VV F F	Prop	CEM	<u>CFM</u>	CEM	<u>CFM</u>	CEM	<u>CFM</u>	CEM	<u>CFM</u>	CEM	<u>CFM</u>	AFD	BESS
VX55 Three Phase - 460V	RPM	CFM	Watt	CFM	Watt	CFM	Watt	CFM	Watt	CFM	Watt	AFR	Test
High Efficiency - HE	490	33,000	27.2	31,100	24.1	28,900	21.4	26,600	18.9	23,000	16.1	0.73	12797
High Rebate - HR	496	33,500	26.5	31,600	23.7	29,500	21.1	27,200	18.8	23,900	16.1	0.76	12798
High Output - HO	556	37,900	21.5	36,100	19.4	34,400	17.7	32,600	16.2	30,300	14.5	0.84	12799
		,		•		,				,			
		0.0" SP		0.05" SP		0.10" SP							
VX55	RPM	CFM	<u>CFM</u> Watt	CFM	<u>CFM</u> Watt	CFM	<u>CFM</u> Watt						BESS Test
Three Phase - 460V	KI IVI	Cim	YY GII	Cim	,, an	Cim	TT GIT						1031
Low Airflow	375	23,300	41.8	20,500	34.4	16,500	27.0						12200
2017 / 1111011	0/3	20,000	-11.0	20,000		10,000	27.0						12200
		0.0" SP		0.05" SP		0.10" SP		0.15" SP		0.20" SP			
			<u>CFM</u>		CFM		<u>CFM</u>		CFM		<u>CFM</u>		BESS
VX51	RPM	CFM	Watt	CFM	Watt	CFM	Watt	CFM	Watt	CFM	Watt	AFR	Test
Three Phase - 460V													
High Efficiency - HE	540	28,300	30.4	26,700	27.1	24,700	23.9	22,500	20.9	19,900	18.0	0.75	12679
High Rebate - HR	593	31,200	25.8	29,900	23.3	28,200	21.1	26,300	18.8	24,100	16.7	0.81	12680
High Output - HO	655	34,800	21.2	33,300	19.4	31,900	17.7	30,400	16.2	28,700	14.8	0.86	12681
		0.01	CD	0.05	II CD	0.10	I CD						
		0.0"	'SP	0.05	" SP	0.10	' SP						DECC
VVE1	DDAA		<u>CFM</u>		<u>CFM</u>		<u>CFM</u>						BESS
VX51	RPM	0.0"		0.05 CFM		0.10 ^t							BESS Test
Three Phase - 460V		CFM	<u>CFM</u> Watt	CFM	<u>CFM</u> Watt	CFM	<u>CFM</u> Watt						Test
	RPM 405		<u>CFM</u>		<u>CFM</u>		<u>CFM</u>						
Three Phase - 460V		CFM	CFM Watt	CFM	CFM Watt	CFM	CFM Watt	0.15	" SP	0.20	" SP		Test
Three Phase - 460V		CFM 19,900	CFM Watt 47.7	CFM 17,200	CFM Watt 38.1	CFM 14,000	CFM Watt 29.8	0.15		0.20			Test 12205
Three Phase - 460V		CFM 19,900	CFM Watt	CFM 17,200	CFM Watt	CFM 14,000	CFM Watt	0.15 ^s	" SP <u>CFM</u> Watt	0.20 ¹ CFM	" SP <u>CFM</u> Watt	AFR	Test 12205 BESS
Three Phase - 460V Low Airflow	405	CFM 19,900	CFM Watt 47.7 SP CFM	CFM 17,200 0.05	CFM Watt 38.1 "SP CFM	CFM 14,000 0.10	CFM Watt 29.8 'SP CFM		<u>CFM</u>		<u>CFM</u>	AFR	Test 12205
Three Phase - 460V Low Airflow VX48 Three Phase - 460V	405 RPM	CFM 19,900 0.0"	CFM Watt 47.7 SP CFM Watt	CFM 17,200 0.05 CFM	CFM Watt 38.1 " SP CFM Watt	CFM 14,000 0.10°	CFM Watt 29.8 'SP CFM Watt	CFM	<u>CFM</u> Watt	CFM	<u>CFM</u> Watt		Test 12205 BESS Test
Three Phase - 460V Low Airflow VX48 Three Phase - 460V High Efficiency - HE	405 RPM 594	CFM 19,900 0.0" CFM 25,000	CFM Watt 47.7 SP CFM Watt 25.4	CFM 17,200 0.05 CFM 23,500	CFM Watt 38.1 " SP CFM Watt 22.7	CFM 14,000 0.10 CFM 21,900	CFM Watt 29.8 SP CFM Watt 18.2	CFM 20,100	CFM Watt	CFM 18,000	CFM Watt	0.77	Test 12205 BESS Test 13412
Three Phase - 460V Low Airflow VX48 Three Phase - 460V High Efficiency - HE High Rebate - HR	405 RPM 594 649	CFM 19,900 0.0" CFM 25,000 27,500	CFM Watt 47.7 SP CFM Watt 25.4 21.6	CFM 17,200 0.05 CFM 23,500 26,300	22.7 19.8	CFM 14,000 0.10 CFM 21,900 24,800	29.8 29.8 29.8 29.8 29.8 29.8 29.8 29.8	20,100 23,300	CFM Watt 18.2 16.4	CFM 18,000 21,400	25M Watt 15.9 14.7	0. <i>77</i> 0.81	Test 12205 BESS Test 13412 13413
Three Phase - 460V Low Airflow VX48 Three Phase - 460V High Efficiency - HE	405 RPM 594	CFM 19,900 0.0" CFM 25,000	CFM Watt 47.7 SP CFM Watt 25.4	CFM 17,200 0.05 CFM 23,500	CFM Watt 38.1 " SP CFM Watt 22.7	CFM 14,000 0.10 CFM 21,900	CFM Watt 29.8 SP CFM Watt 18.2	CFM 20,100	CFM Watt	CFM 18,000	CFM Watt	0.77	Test 12205 BESS Test 13412
Three Phase - 460V Low Airflow VX48 Three Phase - 460V High Efficiency - HE High Rebate - HR	405 RPM 594 649	CFM 19,900 0.0" CFM 25,000 27,500	CFM Watt 47.7 SP CFM Watt 25.4 21.6 19.4	CFM 17,200 0.05 CFM 23,500 26,300	CFM Watt 38.1 " SP CFM Watt 22.7 19.8 17.7	CFM 14,000 0.10 CFM 21,900 24,800	29.8 29.8 29.8 29.8 29.8 29.8 29.8 29.8	20,100 23,300	2 16.4 15.0	CFM 18,000 21,400	15.9 14.7 13.7	0. <i>77</i> 0.81	Test 12205 BESS Test 13412 13413
Three Phase - 460V Low Airflow VX48 Three Phase - 460V High Efficiency - HE High Rebate - HR	405 RPM 594 649	CFM 19,900 0.0" CFM 25,000 27,500 29,300	CFM Watt 47.7 SP CFM Watt 25.4 21.6 19.4	CFM 17,200 0.05 CFM 23,500 26,300 27,900	CFM Watt 38.1 " SP CFM Watt 22.7 19.8 17.7	CFM 14,000 0.10 CFM 21,900 24,800 26,600	29.8 29.8 29.8 29.8 29.8 29.8 29.8 29.8	20,100 23,300 25,200	18.2 16.4 15.0	CFM 18,000 21,400 23,700	15.9 14.7 13.7	0. <i>77</i> 0.81	Test 12205 BESS Test 13412 13413
Three Phase - 460V Low Airflow VX48 Three Phase - 460V High Efficiency - HE High Rebate - HR	405 RPM 594 649	CFM 19,900 0.0" CFM 25,000 27,500 29,300	CFM Watt 47.7 SP CFM Watt 25.4 21.6 19.4	CFM 17,200 0.05 CFM 23,500 26,300 27,900	CFM Watt 38.1 " SP CFM Watt 22.7 19.8 17.7	CFM 14,000 0.10 CFM 21,900 24,800 26,600	29.8 29.8 29.8 29.8 29.8 29.8 29.8 29.8	20,100 23,300 25,200	2 16.4 15.0	CFM 18,000 21,400 23,700	15.9 14.7 13.7	0. <i>77</i> 0.81	Test 12205 BESS Test 13412 13413 13414
Three Phase - 460V Low Airflow VX48 Three Phase - 460V High Efficiency - HE High Rebate - HR High Output - HO	405 RPM 594 649 688	CFM 19,900 0.0" CFM 25,000 27,500 29,300	CFM Watt 47.7 SP CFM Watt 25.4 21.6 19.4 SP CFM	CFM 17,200 0.05 CFM 23,500 26,300 27,900	CFM Watt 38.1 " SP CFM Watt 22.7 19.8 17.7 " SP CFM	CFM 14,000 0.100 CFM 21,900 24,800 26,600	29.8 29.8 29.8 29.8 29.8 29.8 29.8 29.8	20,100 23,300 25,200	18.2 16.4 15.0	CFM 18,000 21,400 23,700	15.9 14.7 13.7 " SP CFM	0.77 0.81 0.85	Test 12205 BESS Test 13412 13413 13414 BESS
Three Phase - 460V Low Airflow VX48 Three Phase - 460V High Efficiency - HE High Rebate - HR High Output - HO	405 RPM 594 649 688	CFM 19,900 0.0" CFM 25,000 27,500 29,300	CFM Watt 47.7 SP CFM Watt 25.4 21.6 19.4 SP CFM	CFM 17,200 0.05 CFM 23,500 26,300 27,900	CFM Watt 38.1 " SP CFM Watt 22.7 19.8 17.7 " SP CFM	CFM 14,000 0.100 CFM 21,900 24,800 26,600	29.8 29.8 29.8 29.8 29.8 29.8 29.8 29.8	20,100 23,300 25,200	18.2 16.4 15.0	CFM 18,000 21,400 23,700	15.9 14.7 13.7 " SP CFM	0.77 0.81 0.85	Test 12205 BESS Test 13412 13413 13414 BESS
Three Phase - 460V Low Airflow VX48 Three Phase - 460V High Efficiency - HE High Rebate - HR High Output - HO VX36 Three Phase - 460V	405 RPM 594 649 688	CFM 19,900 0.0" CFM 25,000 27,500 29,300 CFM	25.4 21.6 19.4 SP CFM Watt	CFM 17,200 0.05 CFM 23,500 26,300 27,900 0.05 CFM	22.7 19.8 17.7 " SP CFM Watt	CFM 14,000 0.10 CFM 21,900 24,800 0.10 CFM	29.8 29.8 29.8 29.8 29.8 29.8 29.8 29.8	20,100 23,300 25,200 0.15	18.2 16.4 15.0 " SP <u>CFM</u> Watt	CFM 18,000 21,400 23,700 0.20	15.9 14.7 13.7 " SP CFM Watt	0.77 0.81 0.85	Test 12205 BESS Test 13412 13413 13414 BESS Test