

TECHNICAL DATA SHEET

Q-Sync[®] VS Variable Speed Fan Motors

The Next Big Leap in Efficiency is Here

Reduce total cost of ownership with patented motor control technology, industry-leading efficiency, long operating life, ease of installation, and rebate eligibility.



Industry-leading efficiency



Design life of >10 years



Ease of Install



Rebate-friendly



PRODUCT SELECTION

Q-Sync [®] VS						
Line Voltage (VAC) / Phases / Freq		120V / 1 / 60			208-230V / 1 / 60	
Horsepower (Rated full load)		1/4	1/3	1/2	1/4	1/3
Watts (Rated full load)		186.5	249	375	186.5	249
Running Current (Amps)		1.82	2.45	3.67	0.91	1.23
Full Load Efficiency (%)		89.5	91.2	90.5	89.7	92.1
Power Factor (Full Load)		0.92	0.95	0.91	0.98	0.98
Line Voltage Range (VAC)		95-132			176-264	
Line Voltage Range (% Rated)		-20% / +10%			-15% / +15%	
Customer Catalog Number		QVD-P25-1ACW-P06E1C	QVD-P33-1ACW-P06E1C	QVD-P50-1ACW-P06E1C	QVD-P25-2ACW-P06E1C	QVD-P33-2ACW-P06E1C

MOTOR SPECIFICATIONS

Frame Size	48
Motor Type	TEAO (*Note 1)
Enclosure Protection	IP65
Insulation Class	Class F
Protection	Thermal (Class A, 105°C)

*Note 1 - Totally Enclosed Air Over

**Note 2 - Factory default set to CW

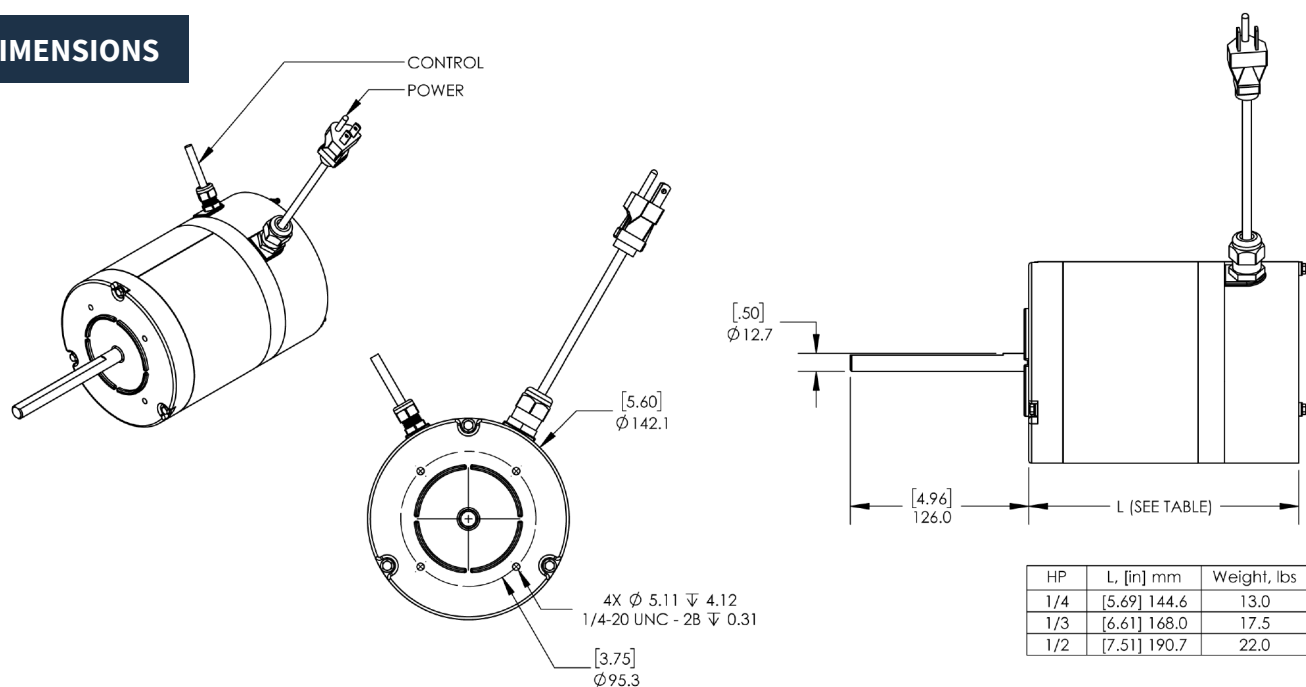
IP65
CERTIFIED



GENERAL SPECIFICATIONS

Speed Control	Variable
Speed Range (RPM)	600-1200
Ambient Temperature Rating	-40°C to 55°C (-40°F to 122°F)
Rotation (from opposite shaft end)	Selectable (**Note 2)
Certifications / Approvals	UL, CSA
CSA / UL File Number	E465664
Surge Protection	2kV
Maximum Operating Altitude	3,048 m / 10,000 ft
Warranty Term (from shipment date)	2 Years (24 Months)

DIMENSIONS



COMPLETE MOTOR CATALOG # BUILDER

Example Catalog Number Complete Motor

		QVD-	P33-	2	A	CW-	P06	E1	c
Q-Sync VS (1-ph, Variable Speed) Discrete/PWM interface	QVD								
Power Rating 0.25 HP 0.33 HP 0.50 HP	P25- P33- P50-								
Input (Line) Voltage 115 VAC 208-230 VAC	1 2								
Input Frequency 60 Hz	A-								
Direction of Rotation CW (OSE) CCW (OSE)	CW CC								
Motor Type 6 Pole PM (1200 RPM Base Speed)	P06								
Enclosure TEAO / IP65 / 55C	E1								
Mounting Face	C								



NOTICE OF CONFIDENTIAL INFORMATION

Information contained herein is Confidential. Where furnished with a proposal, the recipient shall use it solely for the purposes of inspection, installation, or maintenance. Where furnished to a supplier, it shall be used solely in the performance of the contract. The information shall not be used or disclosed by the recipient for any other purpose.

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