



Product Information Packet

VEBM3615T

5HP,1755RPM,3PH,60HZ,184TC,3642M,TEFC,F1

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGQ032	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36E049	Layout:	36LYE049	Poles:	04	Created Date:	12-04-2020
Base:	N	Eff. Date:	12-15-2020	Leads:	9#16		

Specs			
Catalog Number:	VEBM3615T	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Ready
Frame:	184TC	KVA Code:	J
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Motor Letter Type:	Three Phase	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	5.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3642M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	78
Agency Approvals:	CSA	Product Family:	General Purpose
	CSA EEV	Product Type:	BRAKE MOTOR
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	No Mounting	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT

Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	6.700 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	14.000 A @ 208.0 V	Shaft Rotation:	Reversible
	13.400 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Brake Mounting	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1259L

CAT.NO.	VEBM3615T										
SPEC.	36E049Q032G1										
HP	5										
VOLTS	230/460										
AMP	13.4/6.7										
RPM	1755										
FRAME	184TC				HZ	60			PH	3	
SER.F.	1.15		CODE	J	DES	B		CL	F		
NEMA-NOM-EFF	89.5			PF	78						
RATING	40C AMB-CONT										
CC	010A			USABLE AT 208V						14	
DE	6206			ODE	6205						
ENCL	TEFC		SN								

AC Induction Motor Performance Data

Record # 89917

Typical performance - not guaranteed values

Winding: 36WGQ032-R001			Type: 3642M	Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		5	Full Load Torque		15 LB-FT
Volts		230/460	Start Configuration		direct on line
Full Load Amps		13.4/6.7	Breakdown Torque		53.1 LB-FT
R.P.M.		1755	Pull-up Torque		23.4 LB-FT
Hz	60 Phase	3	Locked-rotor Torque		34.7 LB-FT
NEMA Design Code		B	KVA Code		J
Starting Current		49.8 A	No-load Current		3.31 A
Service Factor (S.F.)		1.15	Line-line Res. @ 25°C		2.4 Ω
NEMA Nom. Eff.		89.5	Power Factor		78
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		71°C
S.F. Amps			Temp. Rise @ S.F. Load		86°C
			Locked-rotor Power Factor		40.6635
			Rotor inertia		0.391 lb-ft²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	60	72	79	82	84	81
Efficiency	83.8	88.9	89.8	89.5	88.4	86.8	88.8
Speed	1789	1778	1766	1753	1738	1722	1744
Line amperes	3.64	4.39	5.45	6.66	8.08	9.67	7.51

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values





