



Product Information Packet

VEM3558

2HP,1760RPM,3PH,60HZ,56C,3528M,TEFC,F1,N

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGG073	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35J302	Layout:	35LYJ302	Poles:	04	Created Date:	07-16-2021
Base:	N	Eff. Date:	04-22-2022	Leads:	9#18		

Specs			
Catalog Number:	VEM3558	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	56C	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	L
Motor Letter Type:	Three Phase	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	2.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3528M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	75
	CSA EEV	Product Family:	General Purpose
	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:	6.600 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	5.800 A @ 230.0 V	Shaft Rotation:	Reversible
	2.900 A @ 460.0 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:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP3441LUA

CAT.NO.	VEM3558										
SPEC	35J302G073G1										
HP	2										
VOLTS	230/460										
AMPS	5.6/2.8										
RPM	1760										
FRAME	56C				HZ	60				PH	3
SF	1.15		CODE	K	DES	B		CLASS	F		
NEMA NOM. EFF	86.5			PF	74						
RATING	40C AMB-CONT										
CC	010A			USABLE AT 208V						6	
ENCL	TEFC		SER								
DE	6205			ODE	6203						
VPWM INVERTER READY	SFA 6.26/3.13										
CT6-60H(10:1)VT3-60H(20:1											SF1.0
	2HP 50HZ 190/380V 6.3/3.15A										

AC Induction Motor Performance Data

Record # 87157

Typical performance - not guaranteed values

Winding: 35WGG073-R001			Type: 3528M	Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		2	Full Load Torque		5.965 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		5.6/2.8	Breakdown Torque		21.5 LB-FT		
R.P.M.		1755	Pull-up Torque		12.1 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		15.3 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		22.3 A
Service Factor (S.F.)		1.15	No-load Current		1.63 A		
NEMA Nom. Eff.		86.5	Power Factor	77	Line-line Res. @ 25°C		9.4681 Ω
Rating - Duty		40C	AMB-CONT	Temp. Rise @ Rated Load		63°C	
S.F. Amps		6.2/3.1	Temp. Rise @ S.F. Load		77°C		
			Locked-rotor Power Factor		56.5		

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	56	69	77	82	84	80
Efficiency	78.8	85.7	87.1	86.8	85.6	83.8	86.1
Speed	1790.3	1781.4	1771.9	1761.4	1749.7	1736.6	1754
Line amperes	1.71	1.96	2.34	2.81	3.35	3.97	3.13

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values





