



Product Information Packet

VWDM3542

.75HP,1750RPM,3PH,60HZ,56C,3516M,TENV,F1

Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGM515	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35S603	Layout:	35LYS603	Poles:	04	Created Date:	04-30-2010
Base:	N	Eff. Date:	03-10-2020	Leads:	9#18		

Specs			
Catalog Number:	VWDM3542	Insulation Class:	F
Enclosure:	TENV	Inverter Code:	Not Inverter
Frame:	56C	KVA Code:	M
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Motor Letter Type:	Three Phase	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	.750 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 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:	3516M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	74
Agency Approvals:	UR	Product Family:	Wash Down
	CSA	Pulley End Bearing Type:	Sealed Bearing
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)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding

Current @ Voltage:	1.200 A @ 460.0 V	Shaft Rotation:	Reversible
	2.400 A @ 230.0 V	Shaft Slinger Indicator:	Shaft 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
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1496L

CAT.NO.	VWDM3542												
SPEC.	35S603M515G1												
HP	.75												
VOLTS	230/460												
AMP	2.4/1.2												
RPM	1750												
FRAME	56C				HZ		60				PH	3	
SER.F.	1.25				CODE	M	DES		B	CLASS		F	
NEMA-NOM-EFF	80					PF	74						
RATING	40C AMB-CONT												
CC				USABLE AT 208V									
DE	6205				ODE		6203						
ENCL	TENV				SN								
	SFA 2.7/1.35												

AC Induction Motor Performance Data

Record # 31309

Typical performance - not guaranteed values

Winding: 35WGM515-R001			Type: 3516M	Enclosure: TENV	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		.75	Full Load Torque		2.24 LB-FT
Volts		230/460	Start Configuration		direct on line
Full Load Amps		2.4/1.2	Breakdown Torque		9.58 LB-FT
R.P.M.		1750	Pull-up Torque		6.13 LB-FT
Hz	60 Phase	3	Locked-rotor Torque		7.05 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	9.72 A
Service Factor (S.F.)		1.25	No-load Current		0.781 A
NEMA Nom. Eff.	80	Power Factor	74	Line-line Res. @ 25°C	23.06 Ω
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		63°C
S.F. Amps			Temp. Rise @ S.F. Load		80°C
			Locked-rotor Power Factor		65
			Rotor inertia		0.0946 LB-FT2

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	51	65	74	80	84	80
Efficiency	63.7	76.1	80	81.2	81	80.1	81
Speed	1787.6	1775.1	1762.3	1748.4	1732.8	1717.2	1733
Line amperes	0.815	0.896	1.02	1.17	1.36	1.56	1.36

Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values





