



Product Information Packet

VEWDM3558T

2HP,1760RPM,3PH,60HZ,143TC,3528M,TEFC,F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGG073	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35SS605	Layout:	35LYSS605	Poles:	04	Created Date:	10-01-2021
Base:	N	Eff. Date:	04-22-2022	Leads:	9#18		

Specs			
Catalog Number:	VEWDM3558T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	145TC	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:	UR	Power Factor:	75
	CSA EEV	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:	2.900 A @ 460.0 V	Shaft Rotation:	Reversible
	5.800 A @ 230.0 V	Shaft Slinger Indicator:	Shaft Slinger
	6.600 A @ 208.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	None
Front Shaft Indicator:	None	Winding Thermal 2:	None

Nameplate NP1669L

CAT.NO.	VEWDM3558T												
SPEC.	35SS605G073G1												
HP	2												
VOLTS	230/460												
AMP	5.6/2.8												
RPM	1760												
FRAME	143TC				HZ		60			PH	3		
SER.F.	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
DE	6205			ODE		6203							
ENCL	TEFC		SN										
BLANK	SFA 6.26/3.13												

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





