



Product Information Packet

EWDM3558T

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

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGG073	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35SS585	Layout:	35LYSS585	Poles:	04	Created Date:	10-01-2021
Base:	RG	Eff. Date:	04-22-2022	Leads:	9#18		

Specs			
Catalog Number:	EWDM3558T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	145T	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:	No 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:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	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:	No 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.	EWDM3558T																
SPEC.	35SS585G073G1																
HP	2																
VOLTS	230/460																
AMP	5.6/2.8																
RPM	1760																
FRAME	143T					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	20:1CT, 20:1VT																

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





