



Product Information Packet

CEWDM3546

1HP,1770RPM,3PH,60HZ,56C,3522M,TENV,F1,N

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGZ818	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35S588	Layout:	35LYS588	Poles:	04	Created Date:	11-12-2021
Base:	RG	Eff. Date:	07-07-2022	Leads:	9#18		

Specs			
Catalog Number:	CEWDM3546	Heater Indicator:	No Heater
Enclosure:	TENV	Insulation Class:	F
Frame:	56C	Inverter Code:	Inverter Ready
Frame Material:	Steel	KVA Code:	M
Motor Letter Type:	Three Phase	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.000 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:	3524M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	76
	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:	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:	1.450 A @ 460.0 V	Shaft Rotation:	Reversible
	2.900 A @ 230.0 V	Shaft Slinger Indicator:	Shaft Slinger
	3.000 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.	CEWDM3546									
SPEC.	35S588Z818G1									
HP	1									
VOLTS	230/460									
AMP	3.34/1.67									
RPM	1770									
FRAME	56C				HZ		60		PH	3
SER.F.	1.15			CODE	M	DES	B		CLASS	F
NEMA-NOM-EFF	85.5				PF	66				
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					3.3
DE	6205				ODE	6203				
ENCL	TENV			SN						
BLANK	SFA 3.5/1.75									

AC Induction Motor Performance Data

Record # 89784

Typical performance - not guaranteed values

Winding: 35WGZ818-R002			Type: 3522M		Enclosure: TENV		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		1	Full Load Torque		2.99 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		3.34/1.67	Breakdown Torque		16.6 LB-FT		
R.P.M.		1770	Pull-up Torque		7.42 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		10.32 LB-FT	
NEMA Design Code		B	KVA Code	M	Starting Current		16.1 A
Service Factor (S.F.)		1.15		No-load Current		1.23 A	
NEMA Nom. Eff.		85.5	Power Factor	66	Line-line Res. @ 25°C		14.4 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		63°C	
S.F. Amps		3.5/1.75		Temp. Rise @ S.F. Load		71°C	
				Locked-rotor Power Factor		60.4724	
				Rotor inertia		0.159 lb-ft²	

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	43	56	66	73	78	72
Efficiency	70.8	81.2	84.5	85.9	85.8	85.2	85.5
Speed	1793	1786	1781	1773	1766	1758	1768
Line amperes	1.25	1.34	1.49	1.67	1.87	2.12	1.75

Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values





