



Customer information packet

M3557X

28M 6P TEFC HOR 56H

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	56H
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.800 A @ 460.0 V 5.600 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	80.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.8 a
Insulation Class	B

Part detail

Revision	A
Type	AC
Mech. spec.	35H876
Base	
Status	NLA/A
Elec. spec.	35WGM107
Layout	35LYH876
Eff. date	01-19-2023
CD Diagram	CD0005
Poles	06
Leads	9#18
Proprietary	False
Created date	12-12-2018

Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3528M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	12.91 IN
Power Factor	63
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1140 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L									
CAT.NO.	M3557X								
SPEC.	35H876M107G1								
HP	1.5								
VOLTS	230/460								
AMP	5.6/2.8								
RPM	1140								
FRAME	56H		HZ	60			PH	3	
SER.F.	1.00	CODE	L	DES	B	CLASS	B		
NEMA-NOM-EFF	80	PF	63						
RATING	40C AMB-CONT								
CC		USABLE AT 208V					N/A		
DE	6205		ODE	6203					
ENCL	TEFC	SN							
	NOT FOR USE IN USA								

AC Induction Motor Performance Data

Record # 73792

Typical performance - not guaranteed values

Winding: 35WGM107-R002				Type: 3528M		Enclosure: TEFC	
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		1.5		Full Load Torque		6.91 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		5.6/2.8		Breakdown Torque		26.32 LB-FT	
R.P.M.		1140		Pull-up Torque		20.47 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		22.52 LB-FT	
NEMA Design Code		B	KVA Code	L	Starting Current		18.17 A
Service Factor (S.F.)		1		No-load Current		1.89 A	
NEMA Nom. Eff.		80	Power Factor	63	Line-line Res. @ 25°C		10.4 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		63°C	
				Locked-rotor Power Factor		41.7	
				Rotor inertia		0.166 LB-FT2	

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	28	43	55	63	69	73
Efficiency	68	77.8	81.3	81.9	81.4	80.1
Speed	1186	1176	1165	1154	1142	1125
Line amperes	1.96	2.15	2.41	2.74	3.16	3.73

ABB Motors and Mechanical Inc.

WINDING # 35WGM107

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1140 RPM 460 V 3528M

TORQUES (LB-FT): PO=26.32 PU=20.47 LR=22.52 LRA=18.17





