



Customer information packet

CFSWDM3607T-E

1.5HP, 1170RPM, 3PH, 60HZ, 182TC, 3640M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182TC
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
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
Agency Approvals	NEMA PREMIUM CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.600 A @ 460.0 V 5.200 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	M
Type	AC
Mech. spec.	36R552
Base	
Status	PRD/A
Elec. spec.	36WGQ002
Layout	36LYR552
Eff. date	06-19-2023
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	08-04-2017

High Voltage Full Load Amps	2.6 a
Insulation Class	H
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3640M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	18.89 IN
Power Factor	62
Product Family	WD All SS Encapsulated
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1170 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

Winding Thermal 2

None

Nameplate

NP4427AAA01													
CAT #	CFSWDM3607T-E				WT	90	LBS						
SPEC	36R552Q002G1				ENCL	TEFC							
SER #					CC	010A	IP	69					
HP	1.5	MAG CUR											
VOLTS	230/460				NEMA NOM. EFF						87.5		
AMPS	5.2/2.6					PF	62						
RATING	40C AMB-CONT												
RPM	1170				MAX RPM			1800					
FRAME	182TC	HZ	60	CODE		L	CLASS		H				
SER.F.	1.15	SF AMP					PH	3	DES	B			
DE	6206		ODE		6206								
LUBRICATION	POLYREX EM												
ID LOGO	INVERTER TYPE			VPWM		CHP	60	TO	90	1.5:1			
ID LOGO	WK2	0.376	CT	15	TO	60	4:1						
ID LOGO	SL HZ		VT		TO	60	1000:1						

AC Induction Motor Performance Data

Record # 63790

Typical performance - not guaranteed values

Winding: 36WGQ002-R001			Type: 3640M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		1.5	Full Load Torque		6.765 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		5.2/2.6	Breakdown Torque		26.6 LB-FT		
R.P.M.		1170	Pull-up Torque		17.2 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		18.4 LB-FT	
NEMA Design Code		B	KVA Code	L	Starting Current		17.9 A
Service Factor (S.F.)		1.15	No-load Current		1.73 A		
NEMA Nom. Eff.		87.5	Power Factor	62	Line-line Res. @ 25°C		6.2356 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		40°C
S.F. Amps					Temp. Rise @ S.F. Load		47°C
					Locked-rotor Power Factor		29.1

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	26	42	54	62	68	71	66
Efficiency	75.8	84.5	86.9	87.5	87.2	86.4	87.3
Speed	1192.7	1186.2	1179.6	1172.3	1164.3	1155.7	1168
Line amperes	1.82	2.01	2.28	2.61	3	3.42	2.84

ABB Motors and Mechanical Inc.

WINDING # 36WGQ002

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1170 RPM 460 V 3640M

TORQUES (LB-FT): PO=26.6 PU=17.2 LR=18.4 LRA=17.9





