



Customer information packet

37F774R719G1

10HP, 1760RPM, 3PH, 60HZ, 215TYZ, 3752M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	215TYZ
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV NEMA PREMIUM UR
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	26.400 A @ 208.0 V 24.400 A @ 230.0 V 12.200 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part detail

Revision	H
Type	AC
Mech. spec.	37F774
Base	
Status	PRD/A
Elec. spec.	37WGR719
Layout	37LYF774
Eff. date	05-01-2024
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	09-29-2016

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	12.2 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3752M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	17.34 IN
Power Factor	84
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	SAE 2-Bolt B Pump Mount
Pulley Shaft Indicator	Bored & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1760 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

NP1259L											
CAT.NO.											
SPEC.	37F774R719G1										
HP	10										
VOLTS	230/460										
AMP	24.4/12.2										
RPM	1760										
FRAME	215TYZ		HZ	60				PH	3		
SER.F.	1.15		CODE	H	DES	B	CL	H			
NEMA-NOM-EFF	91.7		PF	84							
RATING	40C AMB-CONT										
CC	010A										
DE	6307		ODE	6206							
ENCL	TEFC		SN								

AC Induction Motor Performance Data

Record # 64419

Typical performance - not guaranteed values

Winding: 37WGR719-R003			Type: 3752M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		10	Full Load Torque		29.9 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		24.4/12.2	Breakdown Torque		79.6 LB-FT		
R.P.M.		1760	Pull-up Torque		39.5 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		51.7 LB-FT	
NEMA Design Code		B	KVA Code	H	Starting Current		79.5 A
Service Factor (S.F.)		1.15	No-load Current		4.25 A		
NEMA Nom. Eff.		91.7	Power Factor	84	Line-line Res. @ 25°C		1.09 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		64°C
S.F. Amps			Temp. Rise @ S.F. Load		81°C		
			Locked-rotor Power Factor		35		
			Rotor inertia		1.28 LB-FT2		

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	52	72	81	84	85	85	85
Efficiency	90.7	92.5	92.8	92.5	90.8	89.1	91.5
Speed	1791	1782	1774	1763	1751	1737	1756
Line amperes	5.09	6.97	9.33	12.1	15.2	18.6	14

ABB Motors and Mechanical Inc.

WINDING # 37WGR719

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1760 RPM 460 V 3752M

TORQUES (LB-FT): PO=79.6 PU=39.5 LR=51.7 LRA=79.5





