

ABB BALDOR RELIANCE III

Customer information packet

FDL3611M

2HP, 1725RPM, 1PH, 60HZ, 184, 3634L, TEFC, F1, N

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	184
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	2.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	UR CSA
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	12.400 A @ 230.0 V 24.800 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	74.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	12.4 a

Part Detail

Revision	P
Type	AC
Mech. spec.	36Q169
Base	
Status	PRD/A
Elec. spec.	36WGX416
Layout	36LYQ169
Eff. date	11-27-2024
CD Diagram	CD0008
Poles	04
Leads	4#14 A&J,2#16 B PH,1#10 #4TH
Proprietary	False
Created date	12-12-2013

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A&J
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.67 IN
Power Factor	73
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1725 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	Manual Thermal Overload
Winding Thermal 1 Location	KO
Winding Thermal 2	None

Nameplate

NP1280L									
CAT.NO.	FDL3611M								
SPEC.	36Q169X416G1								
HP	2								
VOLTS	115/230								
AMP	24.8/12.4								
RPM	1725								
FRAME	184		HZ	60		PH		1	
SER.F.	1.00		CODE	L		DES	L	CL	F
NEMA-NOM-EFF	74		PF	73					
RATING	40C AMB-CONT								
CC									
DE	6206		ODE	6205					
ENCL	TEFC		SN						

Accessories

Part number	Description	Multiplier
36-3301FD	C FACE KIT FARM DUTY 182-4TC ENCL, 6206	P1

AC Induction Motor Performance Data

Record # 61427

Typical performance - not guaranteed values

Winding: 36WGX416-R002			Type: 3634L		Enclosure: TEFC			
Nameplate Data			230 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		2	Full Load Torque		6 LB-FT			
Volts		115/230	Start Configuration		direct on line			
Full Load Amps		28/14	Breakdown Torque		16 LB-FT			
R.P.M.		1725	Pull-up Torque		15 LB-FT			
Hz	60	Phase	1	Locked-rotor Torque		24 LB-FT		
NEMA Design Code		L	KVA Code	J	Starting Current		75 A	
Service Factor (S.F.)		1	No-load Current		8.55 A			
NEMA Nom. Eff.		75	Power Factor		67	Line-line Res. @ 25°C		0.732 Ω A Ph 0.396 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		78°C		

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	34	49	61	70	75	79
Efficiency	53.8	68.3	74.2	76.8	77.6	77.4
Speed	1788	1778	1767	1756	1743	1729
Line amperes	8.98	9.65	10.75	12.15	13.85	15.85

ABB Motors and Mechanical Inc.

WINDING # 36WGx416

Typical performance - not guaranteed values.

2 HP 1 PH 60 HZ 1725 RPM 230 V 3634L

TORQUES (LB-FT): PO=16 PU=15 LR=24 LRA=75





