

ABB BALDOR RELIANCE III

Customer information packet

CFM3036A

.5HP, 1140RPM, 3PH, 60HZ, 48YZ, 3418M, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	48YZ
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	.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.500 A @ 208.0 V 2.400 A @ 230.0 V 1.200 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	72.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	V
Type	AC
Mech. spec.	34J288
Base	
Status	PRD/A
Elec. spec.	34WGW529
Layout	34LYJ288
Eff. date	10-25-2024
CD Diagram	CD0007
Poles	06
Leads	12#18
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	1.2 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	12 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3418M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	14.29 IN
Power Factor	55
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Resilient Mount
Pulley Shaft Indicator	Key And Flat
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.500 IN
Shaft Extension Location	Pulley End
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 - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Automatic Thermal Overload



Winding Thermal 1 Location	SB
Winding Thermal 2	None

Nameplate

NP1257L											
CAT.NO.	CFM3036A										
SPEC.	34J288W529G1										
HP	.5										
VOLTS	208-230/460										
AMP	2.5-2.4/1.2										
RPM	1140										
FRAME	48YZ				HZ		60		PH		3
SER.F.	1.00	CODE		J	DES		B	CL		F	
NEMA-NOM-EFF	72	PF		55							
RATING	60C AMB-CONT										
CC											
DE	6203	ODE		6203							
ENCL	OPEN	SN									

Parts List

Part number	Description	Quantity
SA081426	SA 34J288W529G1	1.000 ea
RA074788	RA 34J288W529G1	1.000 ea
TPMYJ68KX	THERMAL 3PH 0.75 AUT 120C	1.000 ea
SP1000A09	TERM BOARD, MODEL 34 SW, (RPL SP1000A01)	1.000 ea
11XW0832G06	#8-32 X 3/8, TAPTITE II, HEX WSHR SLTD	1.000 ea
34EP3200A01SP	FR ENDPLATE, MACH	1.000 ea
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.010 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
34EP3204B18	FR/PU ENDPLATE, MACH 17 FRAME W/.5 NPT L	1.000 ea
HA6001A01	THERMAL RETAINER (PLATED)	1.000 ea
NS2500A01	INSULATOR, AUTO THER PROT	1.000 ea
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000 ea
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	4.000 ea
HW2501B32	KEY, 1/8 SQ X 3.75	1.000 ea
HA7000A08	KEY RETAINER RING FOR 1/2" DIA SHAFTS	1.000 ea
34CB4501SP	TERMINAL BOX LID, STAMPED X (PLATED)	1.000 ea
34GS1018	GASKET, TERM PLATE LID BLACK NEOPRENE	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
HA1041A01	CUPPED SLINGER KENCO	1.000 ea
10XN2520A06	1/4 20X3/8 HX HD CAP	3.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.014 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 ea
LC0007	CONNECTION LABEL	1.000 ea
NP1257L	ALUM UL CC THERMAL REV MTG	1.000 ea
PK3083	STYROFOAM PACKING CRADLE	1.000 ea
PK3085X	FOAM SHAFT SUPPORT PRECUT 4-1/4 X 6-3/4	1.000 ea

27PA1001	PKG GRP, PRINT PK1027A06	1.000 ea
PK3088	MICROFOAM, 8"X"8 PERF. SHEETS	1.000 ea

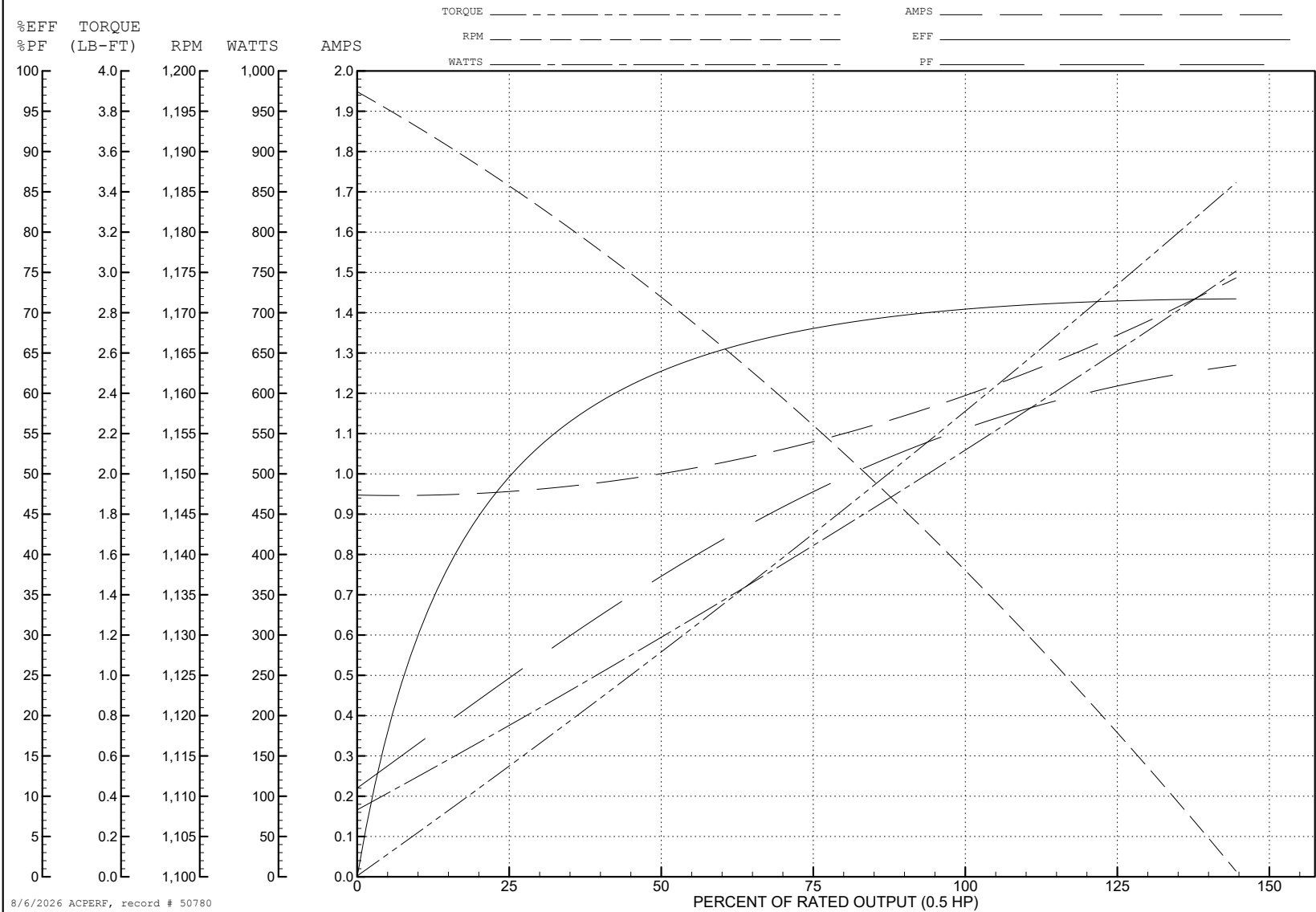
ABB Motors and Mechanical Inc.

WINDING # 34WGW529

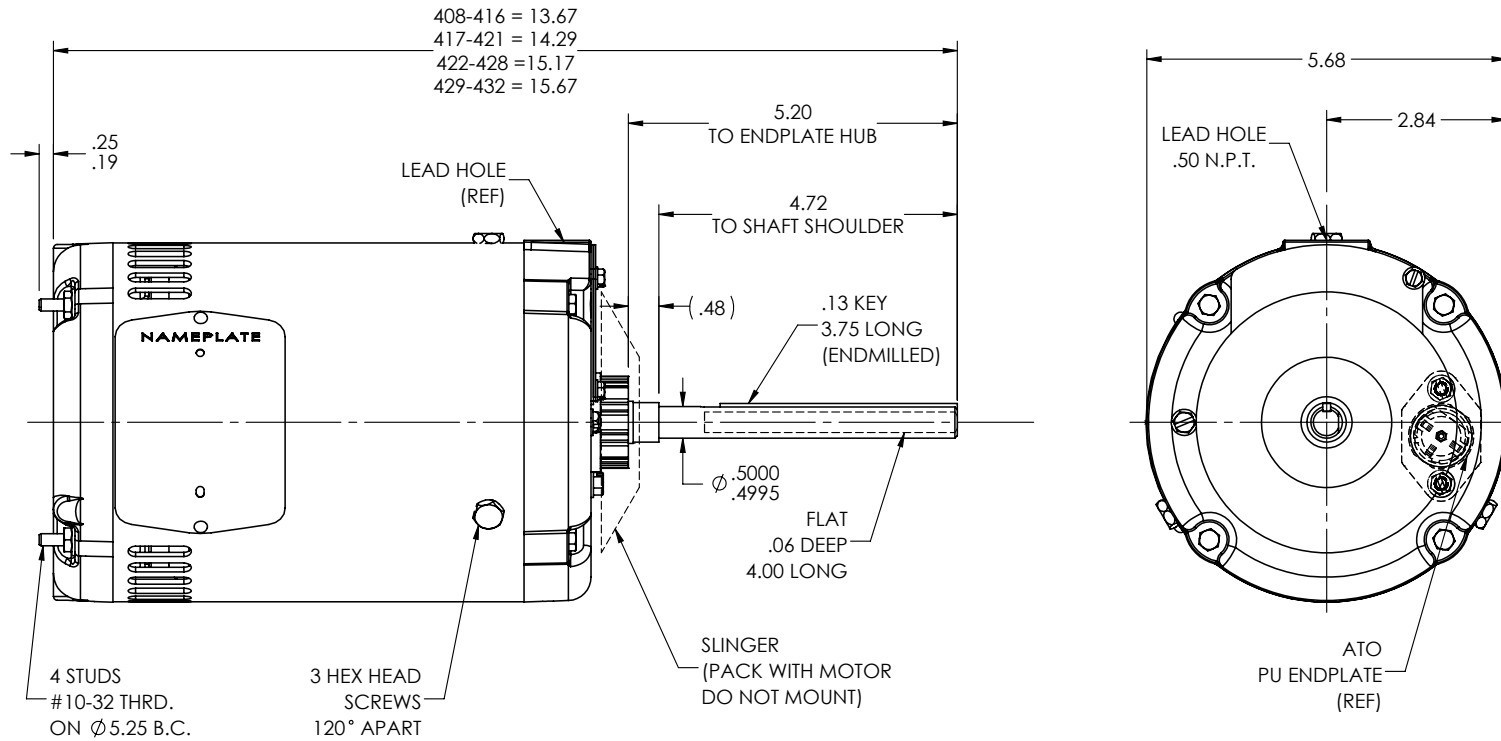
0.5 HP 3 PH 60 HZ 1140 RPM 460 V 3418M

Typical performance - not guaranteed values.

TORQUES (LB-FT) : PO=7.7 PU=6 LR=6.2 LRA=5



34LYJ288



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: LOAD TO SOLIDWORKS - REV G

REV: H

VERSION: 04

REVISED: 11:30:58 01/05/2023

TDR: 000001201165

BALDOR - RELIANCE®

34LYJ288

MODEL NO. 34LYJ288

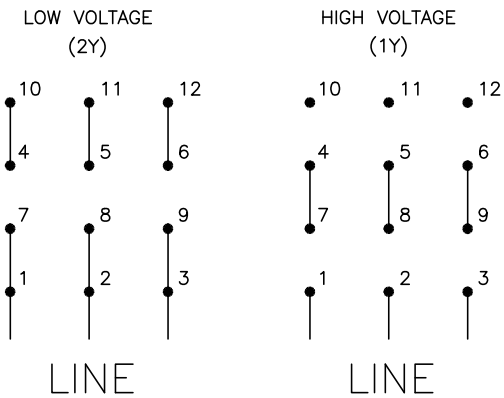
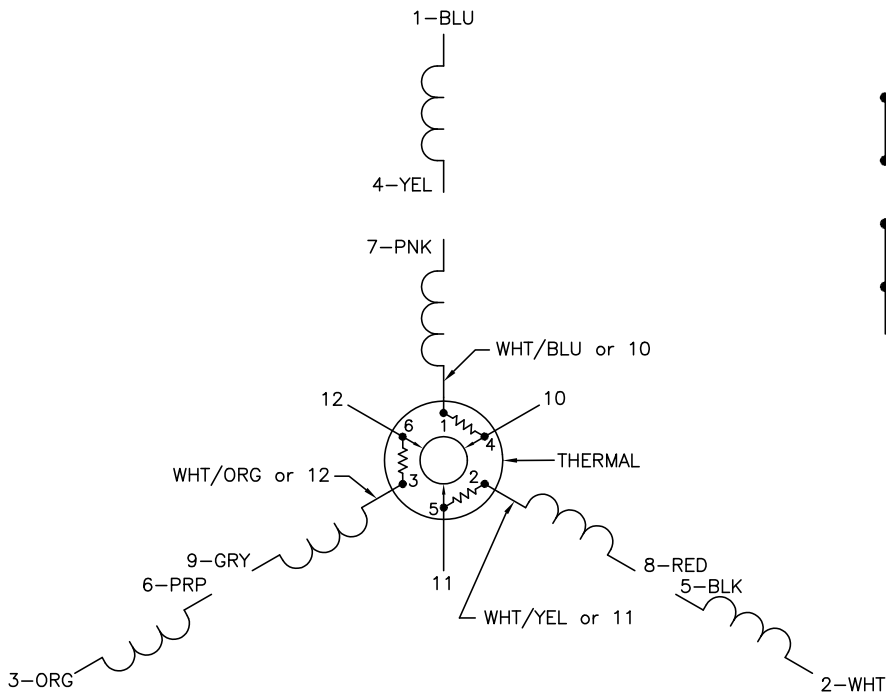
BY: ENFRAJ0

REF: -

VER 34M NEMA 48YZ OPEN W/ATO IN EP

34LYJ288

CD0007



- NOTES:
1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
 2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
 3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED "CK" PLANT CODE			
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
200000		FILE: AAA00008370	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, THERMAL, 12 LEADS

CD0007