

ABB BALDOR RELIANCE III

Customer information packet

CHC144A

.25HP, 1725RPM, 1PH, 60HZ, 48Z, 3411C, TEAO, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	48Z
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Oil Capacitor Start and Run
Output @ Frequency	.250 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	Resilient
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.400 A @ 230.0 V 1.500 A @ 208.0 V 2.800 A @ 115.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Resilient Mount
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.4 a

Part Detail

Revision	N
Type	AC
Mech. spec.	34M212
Base	
Status	PRD/A
Elec. spec.	34WGS986
Layout	34LYM212
Eff. date	10-28-2024
CD Diagram	CD0804
Poles	04
Leads	7#18
Proprietary	False
Created date	04-09-2013

Insulation Class	B
Inverter Code	Not Inverter
KVA Code	F
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	7 @ 18 AWG
Motor Lead Termination	None
Motor Standards	NEMA
Motor Type	3411C
Mounting Arrangement	F1
Number of Poles	4
Overall Length	11.35 IN
Power Factor	81
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Resilient Mount
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.500 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible: Connected Standard
Shaft Slinger Indicator	No 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	Automatic Thermal Overload
Winding Thermal 1 Location	WG

Nameplate

NP1257L									
CAT.NO.	CHC144A								
SPEC.	34M212S986G1								
HP	.25								
VOLTS	115/230								
AMP	2.8/1.4								
RPM	1725								
FRAME	48Z		HZ	60		PH	1		
SER.F.	1.00	CODE	F	DES	-	CL	B		
NEMA-NOM-EFF	70	PF	81						
RATING	40C AMB-CONT								
CC									
DE	6203	ODE	6203						
ENCL	TEAO	SN							

Parts List

Part number	Description	Quantity
SA262800	SA 34M212S986G1	1.000 ea
RA249524	RA 34M212S986G1	1.000 ea
OC3008F12SP	CYL OIL CAP 8MFD/370V	1.000 ea
34EP3204A01SP	FR ENDPLATE, MACH	1.000 ea
HA6004A01A	CLAMP CUSHION RING ASSY	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 ea
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 ea
11XW0832G06	#8-32 X 3/8, TAPTITE II, HEX WSHR SLTD	1.000 ea
RM1000A03	CUSHION RING, MDL 17-33-34	1.000 ea
RM1000A03	CUSHION RING, MDL 17-33-34	1.000 ea
HA6004A01A	CLAMP CUSHION RING ASSY	1.000 ea
RM1001A01	GROMMET "MIDSTATES"	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
34EP3205B01	PU ENDPLATE, MACH	1.000 ea
XY0832A02	8-32 HEX NUT	4.000 ea
LD5000A52	LEAD ASSY W/INTERNAL STAR RING TERMINALS	1.000 ea
11XT1032A06	10-32 X 3/8 HX WSHR HD SLTD TYPE 23	2.000 ea
34CB4501SP	TERMINAL BOX LID, STAMPED X (PLATED)	1.000 ea
34GS1005	GASKET, TERM PLATE LID	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
34GS5003A01	FOAM SLEEVE, ID = 2 1/16" X 4 3/8"	1.000 ea
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 ea
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	7.000 ea
HW1000A08	#8 SAE FLAT WASHER	4.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.014 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
34BA4001A01SP	RESILIENT BASE, 408-416	1.000 ea
SP5076SP	MODEL 34 TERMINAL PANEL WITH QUICK CONNE	1.000 ea
33CB4800A01	CAPACITOR COVER, STAMPED	1.000 ea
35GS3001A01	GASKET, CAPACITOR COVER	1.000 ea
HA3169A17	THRUBOLT #8-32 THDS X 8.375" LONG	4.000 ea

LB1118	LABEL,WARNING (ROLL LABEL)	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LC0052	CONNECTION LABEL	1.000 ea
NP1257L	ALUM UL CC THERMAL REV MTG	1.000 ea
35PA1066	PKG GRP, PRINT PK1008A07	1.000 ea

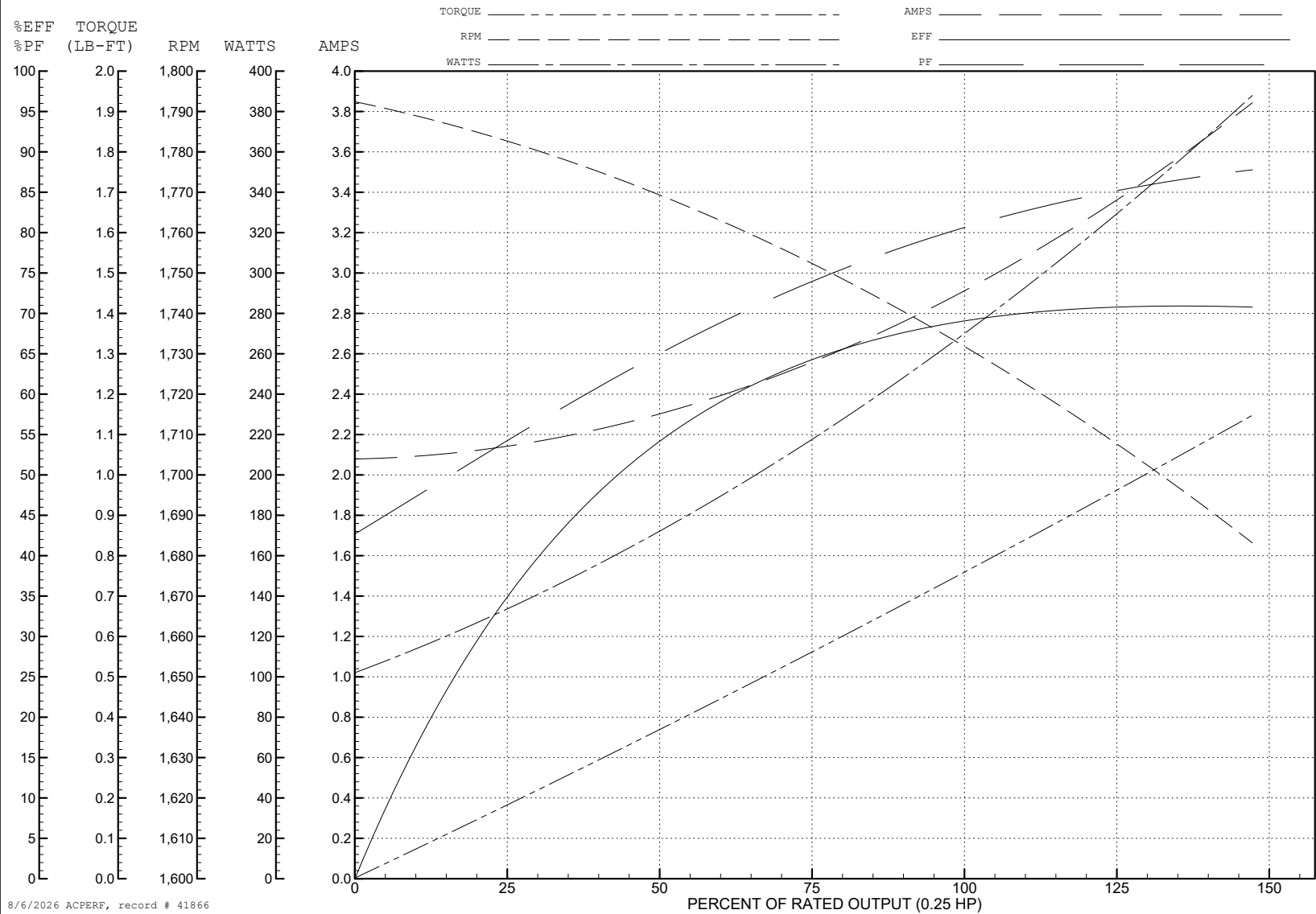
ABB Motors and Mechanical Inc.

WINDING # 34WGS986

Typical performance - not guaranteed values.

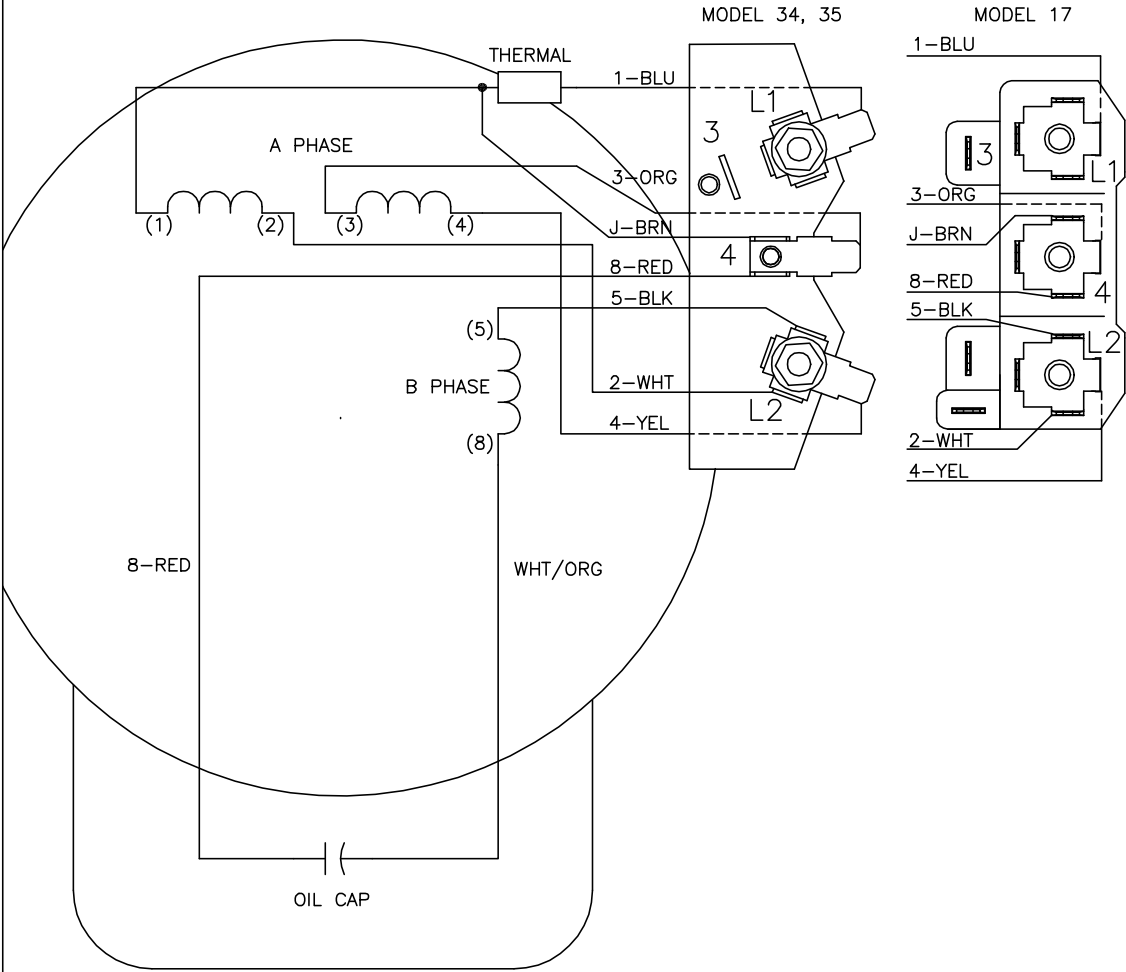
0.25 HP 1 PH 60 HZ 1700 RPM 115 V 3411C

TORQUES (LB-FT): PO=1.89 PU=0.3 LR=0.35 LRA=12.2





CD0804



- NOTES:
1. CONNECT LINE LEADS TO L1 AND L2.
LOW VOLTAGE: CONNECT AS SHOWN.
HIGH VOLTAGE: MOVE LEAD J TO TERM. 3.
MOVE LEAD 2 TO TERM. 4.
 2. CONNECTIONS ARE SHOWN FOR STANDARD ROTATION (CCW FACING END OPPOSITE SHAFT EXTENSION). INTERCHANGE LEADS 5 AND 8 TO REVERSE ROTATION.
 3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: OMIT (WHT/BLU) MARKER			
REV. LTR: E	BY: MEM	REVISED: 10:37:34 11/25/2002	TDR: 288036
FILE: AAA00007297		REF: CD0804	
MTL: -			

BALDOR ELECTRIC Co.

TYPE C, DV, REV, THERMAL (T^{STAT} IN LINE), TERM PLATE

CD0804