

ABB BALDOR RELIANCE III

Customer information packet

JML1408T

3HP, 1725RPM, 1PH, 60HZ, 184JM, 3634LC, OPEN

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	184JM
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	3.000 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	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	32.000 A @ 115.0 V 16.800 A @ 208.0 V 16.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	78.0 %
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	AR
Type	AC
Mech. spec.	36K077
Base	
Status	PRD/A
Elec. spec.	36WG2759
Layout	36LYK077
Eff. date	05-10-2024
CD Diagram	CD0016A01
Poles	04
Leads	4#14 A PH,3#16 B PH
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	16.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.50 IN
Power Factor	78
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
Service Factor	1.15
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	None
Winding Thermal 2	None

Nameplate

NP1256L											
CAT.NO.	JML1408T										
SPEC.	36K77-2759										
HP	3										
VOLTS	115/230										
AMP	32/16										
RPM	1725										
FRAME	184JM		HZ	60				PH	1		
SER.F.	1.15		CODE	H	DES	L		CLASS	F		
NEMA-NOM-EFF	78		PF	78							
RATING	40C AMB-CONT										
CC											
DE	6207		ODE	6205							
ENCL	OPEN		SN								

Parts List

Part number	Description	Quantity
SA037156	SA 36K77-2759	1.000 ea
RA033181	RA 36K77-2759	1.000 ea
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 ea
36EP3204D00	MASTER ODE,205 BRG,GRSR,RLF	1.000 ea
HA1103A08	RODENT SCREEN, 36 FRAME, OPEN, FRONT END	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	4.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	4.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	2.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36PE3405A05	PUEP 182-4C OPEN 207 BRG W/BAFF. TSLV, G	1.000 ea
36AD2000	AIR BAFFLE	1.000 ea
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 ea
HA1102A07	RODENT SCREEN 36 OPEN FACE	2.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
10XN2520A24	1/4-20X 1 1/2 HEX HD X	4.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 ea
36CB4516	750LIPPED CB LID - GALVANNEAL	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HA1005A07	SLINGER, OD 2.25, ID 1.344, 307 BRG	1.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 ea

85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.022 ga
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 ea
36CB5010A01	CAPACITOR BOX KIT, 36CB3800Z, OC3020F12,	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
SP5172A38	37 TYPE LC TORQ STAT SWITCH LEAD ASSEMBL	1.000 ea
LC0016	CONNECTION LABEL	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
36PA1001	PKG GRP, PRINT PK1017A07	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
FE-0000004	ZRTG FE ASSEMBLY	1.000 ea

AC Induction Motor Performance Data

Record # 61451

Typical performance - not guaranteed values

Winding: 36WG2759-R003			Type: 3634LC		Enclosure: OPEN			
Nameplate Data			230 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		3	Full Load Torque		9 LB-FT			
Volts		115/230	Start Configuration		direct on line			
Full Load Amps		32/16	Breakdown Torque		21 LB-FT			
R.P.M.		1725	Pull-up Torque		14.4 LB-FT			
Hz	60	Phase	1	Locked-rotor Torque		30.8 LB-FT		
NEMA Design Code		L	KVA Code	H	Starting Current		107 A	
Service Factor (S.F.)		1.15		No-load Current		8.5 A		
NEMA Nom. Eff.		78	Power Factor		78	Line-line Res. @ 25°C		4.156 Ω A Ph 0.586 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		57°C		
S.F. Amps				Temp. Rise @ S.F. Load		72°C		

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	64	73	79	85	83	83
Efficiency	62.6	74.9	78.6	78	75	74.9	76.1
Speed	1788	1780	1769	1756	1733	1721	1742
Line amperes	9.1	10.4	15.8	16	19	23	17.8

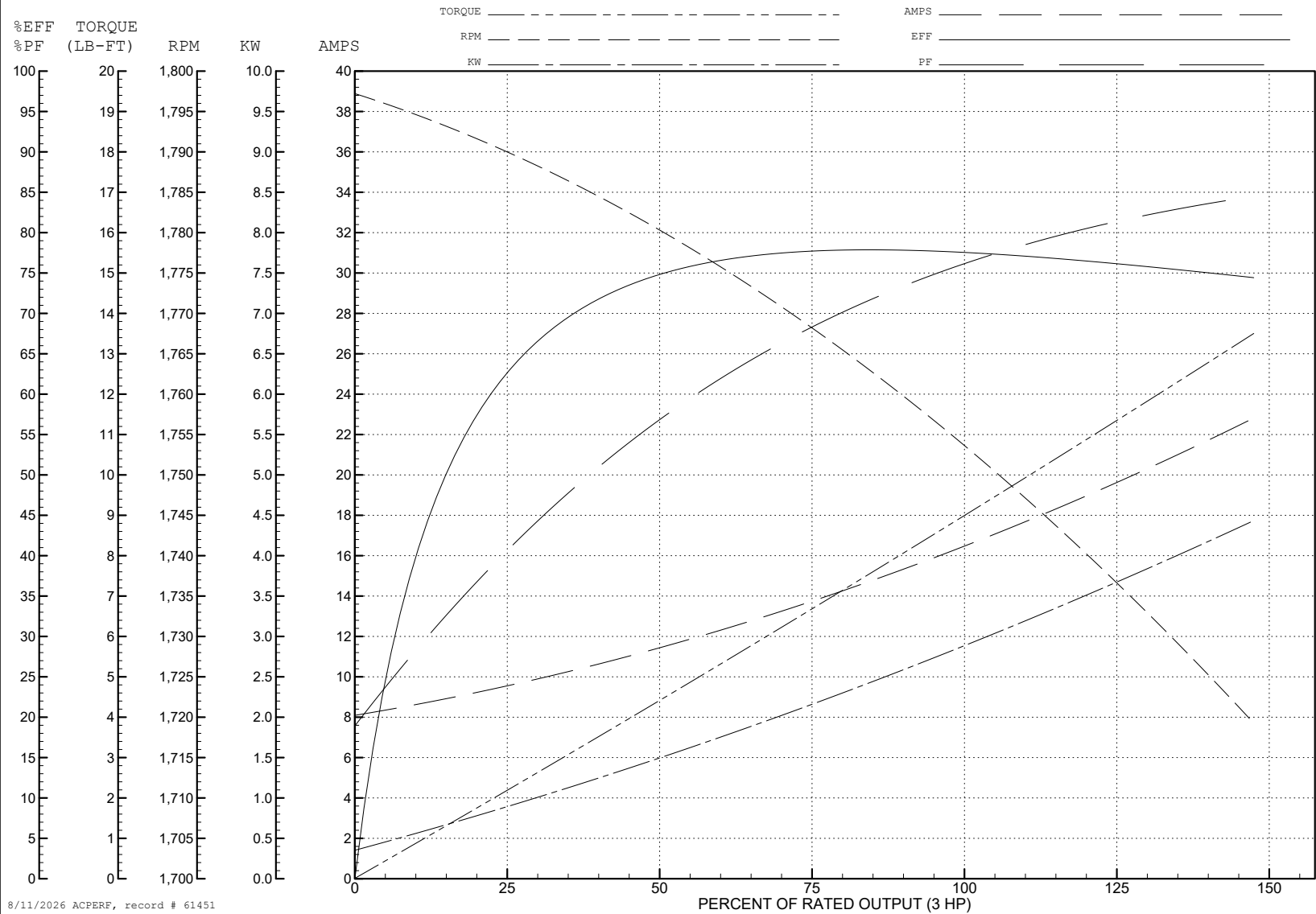
ABB Motors and Mechanical Inc.

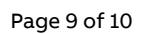
WINDING # 36WG2759

Typical performance - not guaranteed values.

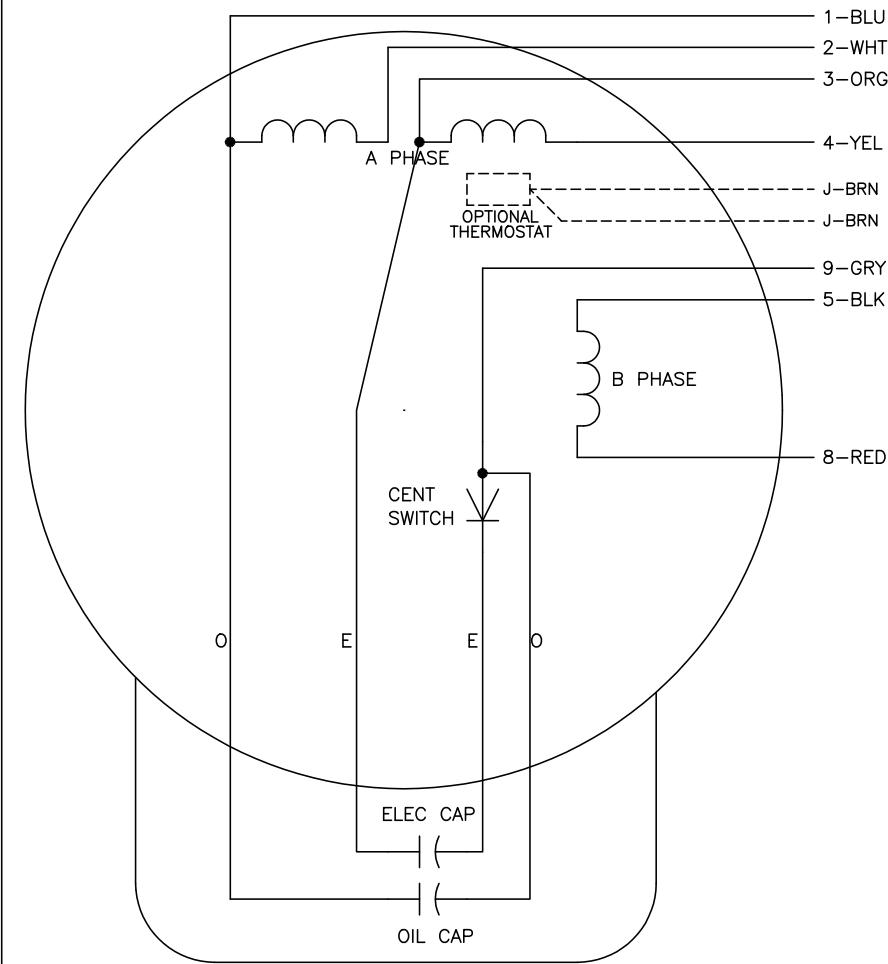
3 HP 1 PH 60 HZ 1725 RPM 230 V 3634LC

TORQUES (LB-FT): PO=21 PU=14.4 LR=30.8 LRA=107





CD0016A01



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4,5	2,3	8,9
HIGH OPP	1	4,8	2,3	5,9
LOW STD	1,3	2,4,5	8,9	—
LOW OPP	1,3	2,4,8	5,9	—

- NOTES:
- 1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
 - 2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
 - 3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 - 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 04/09/99 1:19	TDR: 0178636
10A9100D0		FILE: AAA00007410	MDL: —
CD0016A01		MTL: —	

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, OIL CAP ACR. LINE, 7 LEADS

CD0016A01