

ABB BALDOR RELIANCE III

Customer information packet

JPL1409T

5HP, 3500RPM, 1PH, 60HZ, 184, JP, 3634LC, OPEN

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	184JP
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	5.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	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	23.000 A @ 208.0 V 21.500 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	80.0 %
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	21.5 a
Insulation Class	F

Part Detail

Revision	U
Type	AC
Mech. spec.	36E774
Base	
Status	PRD/A
Elec. spec.	36WGW925
Layout	36LYE774
Eff. date	06-24-2026
CD Diagram	CD0017A02
Poles	02
Leads	2#12 A PH,2#16 B PH
Proprietary	False
Created date	11-10-2005

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	2 @ 12 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	19.57 IN
Power Factor	96
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	3500 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.	JPL1409T										
SPEC.	36E774W925G1										
HP	5										
VOLTS	230										
AMP	21.5										
RPM	3500										
FRAME	184JP			HZ	60				PH	1	
SER.F.	1.15		CODE	H	DES	L		CLASS		F	
NEMA-NOM-EFF	80		PF	96							
RATING	40C AMB-CONT										
CC											
DE	6207			ODE	6205						
ENCL	OPEN		SN								

Parts List

Part number	Description	Quantity
SA135872	SA 36E774W925G1	1.000 ea
RA125580	RA 36E774W925G1	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
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	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
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 ea
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 ea
10XN2520A12	1/4-20 X 3/4 HEX HEAD CAP	2.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36EP1402A16	SPL.FACE MTD.EP.36 FR-OPEN-207 BRG/GREAS	1.000 ea
36AD2000	AIR BAFFLE	1.000 ea
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HA1102A07	RODENT SCREEN 36 OPEN FACE	2.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	4.000 ea
10XN2520A26	1/4-20X 1 5/8 HEX HD	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
HA2009A01	ALUM SLINGER 307 BRG CLOSE CPL PUMP MOTO	1.000 ea
80XN1032J06	10-32 X 3/8 SET SCREW, HEX SOC, CUP PT	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
SP5172A05	37 TYPE LC TORQ STAT SW LEAD ASSEMBLY	1.000 ea
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 ea
36CB5005A04	CAPACITOR BOX KIT, 36CB3800Z, OC3035F09,	1.000 ea
LC0017	CONN LABEL-1 PHASE-SINGLE VOLT-REV ROTNO	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	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 # 65030

Typical performance - not guaranteed values

Winding: 36GW925-R001			Type: 3634LC		Enclosure: OPEN	
Nameplate Data			230 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		5	Full Load Torque		7.46 LB-FT	
Volts		230	Start Configuration		direct on line	
Full Load Amps		21.5	Breakdown Torque		23.85 LB-FT	
R.P.M.		3500	Pull-up Torque		12.02 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque		12.02 LB-FT	
NEMA Design Code		L	KVA Code	H	Starting Current 154 A	
Service Factor (S.F.)		1.15	No-load Current		4.9 A	
NEMA Nom. Eff.		75	Power Factor		88	Line-line Res. @ 25°C 0.316 Ω A Ph 0.937 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		83°C
S.F. Amps				Temp. Rise @ S.F. Load		96°C
				Locked-rotor Power Factor		76.8
				Rotor inertia		0.153 LB-FT2

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	81	89	92	93	92	88	92
Efficiency	66.1	77.2	79.8	79.6	77.5	73.7	78.3
Speed	3574	3546	3515	3480	3434	3372	3452
Line amperes	7.76	11.85	16.56	21.72	27.7	35.76	25.3

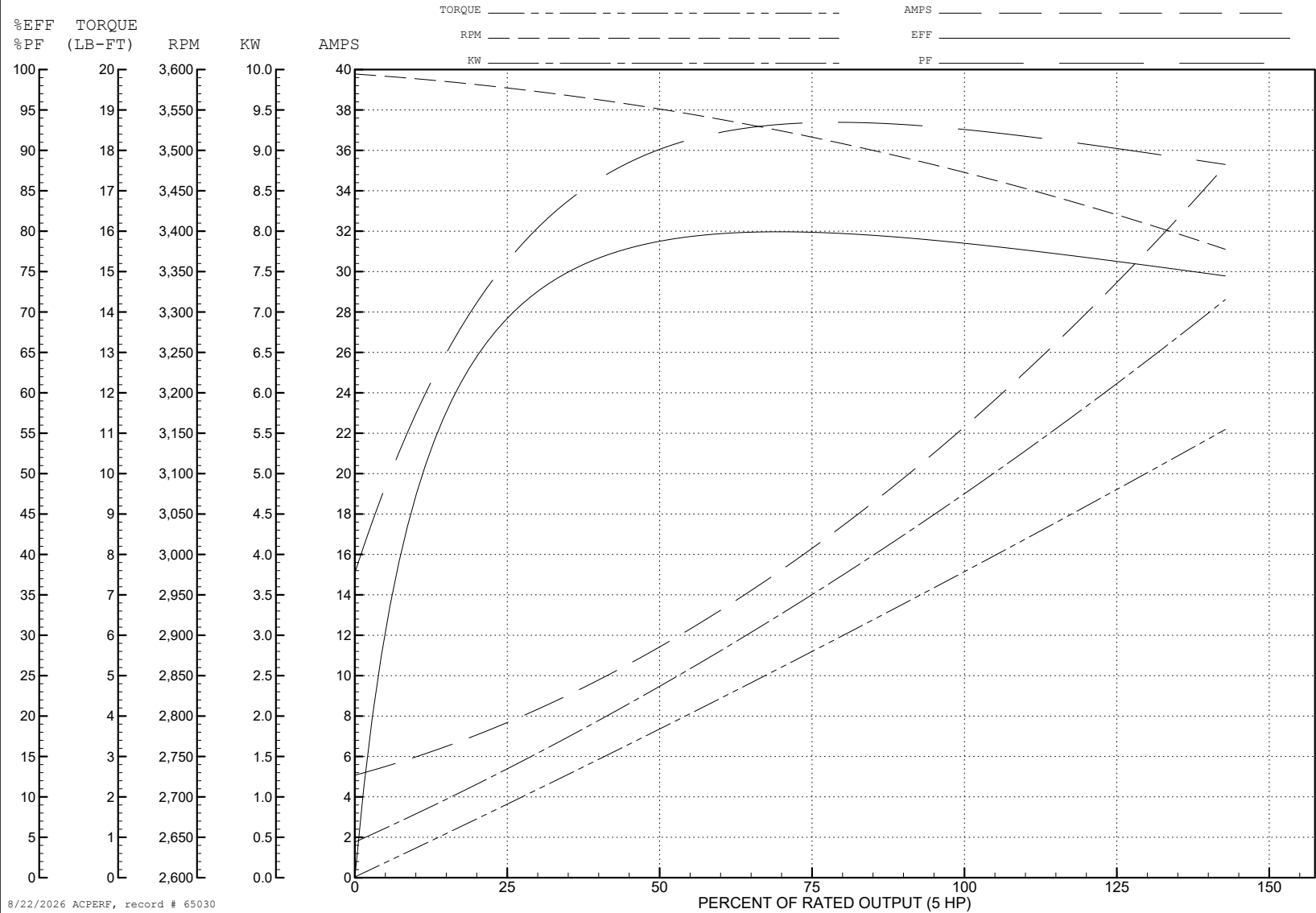
ABB Motors and Mechanical Inc.

WINDING # 36WG925

Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 3500 RPM 230 V 3634LC

TORQUES (LB-FT) : PO=23.85 PU=12.02 LR=12.02 LRA=154



CD0017A02

