

ABB BALDOR RELIANCE III

Customer information packet

M1007T

3/.75HP, 1725/850RPM, 3PH, 60HZ, 184T, 3623M

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	184T
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	3.000 HP @ 60 HZ .750 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	208.0 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	3.000 A @ 230.0 V 8.000 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
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	3.0 a

Part Detail

Revision	AB
Type	AC
Mech. spec.	36B001
Base	
Status	PRD/A
Elec. spec.	36WGW039
Layout	36LYB001
Eff. date	10-30-2025
CD Diagram	CD0032
Poles	04/08
Leads	6#16
Proprietary	False
Created date	01-01-0001

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	F
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3623M
Mounting Arrangement	F1
Number of Poles	4 8
Overall Length	13.62 IN
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 rpm 850 rpm
Speed Code	2S-1W-VT
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.	M1007T								
SPEC.	36B01W39								
HP	3/.75								
VOLTS	208-230								
AMP	8/3								
RPM	1725/850								
FRAME	184T		HZ	60			PH	3	
SER.F.	1.15	CODE	F	DES	-	CLASS	F		
NEMA-NOM-EFF		PF							
RATING	40C AMB-CONT								
CC									
DE	6206		ODE	6205					
ENCL	OPEN	SN							

Parts List

Part number	Description	Quantity
SA034205	SA 36B01W39	1.000 ea
RA030233	RA 36B01W39	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
36EP3204B00	MASTER ODE,205 BRG,GRSR	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36EP3205D00	MASTER DE,206 BRG,1.197SH,GRSR	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	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
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	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
HA3101A23	THRUBOLT 1/4-20 X 9.625 DEMBY	4.000 ea
LC0032	CONNECTION LABEL	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
36PA1000	PKG GRP, PRINT PK1016A08	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

Accessories

Part number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	

AC Induction Motor Performance Data

Record # 61308

Typical performance - not guaranteed values

Winding: 36WGW039-R003			Type: 3623M		Enclosure: OPEN		
Nameplate Data			230 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		3/.75	Full Load Torque		9 LB-FT		
Volts		208-230	Start Configuration		direct on line		
Full Load Amps		8/3	Breakdown Torque		23 LB-FT		
R.P.M.		1725/850	Pull-up Torque		18 LB-FT		
Hz		60	Phase		3	Locked-rotor Torque	19 LB-FT
NEMA Design Code			- KVA Code		F	Starting Current	41 A
Service Factor (S.F.)					1.15	No-load Current	2.8 A
NEMA Nom. Eff.		0	Power Factor		0	Line-line Res. @ 25°C	2.11 Ω
Rating - Duty			40C AMB-CONT			Temp. Rise @ Rated Load	56°C
S.F. Amps						Temp. Rise @ S.F. Load	71°C
						Locked-rotor Power Factor	67.1
						Rotor inertia	0.216 LB-FT2

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	51	73	81	85	87	87	86
Efficiency	79	83	82	79	75	71	76.6
Speed	1769	1740	1705	1670	1619	1568	1639
Line amperes	3.5	4.6	6.2	8	10	12.2	9.2

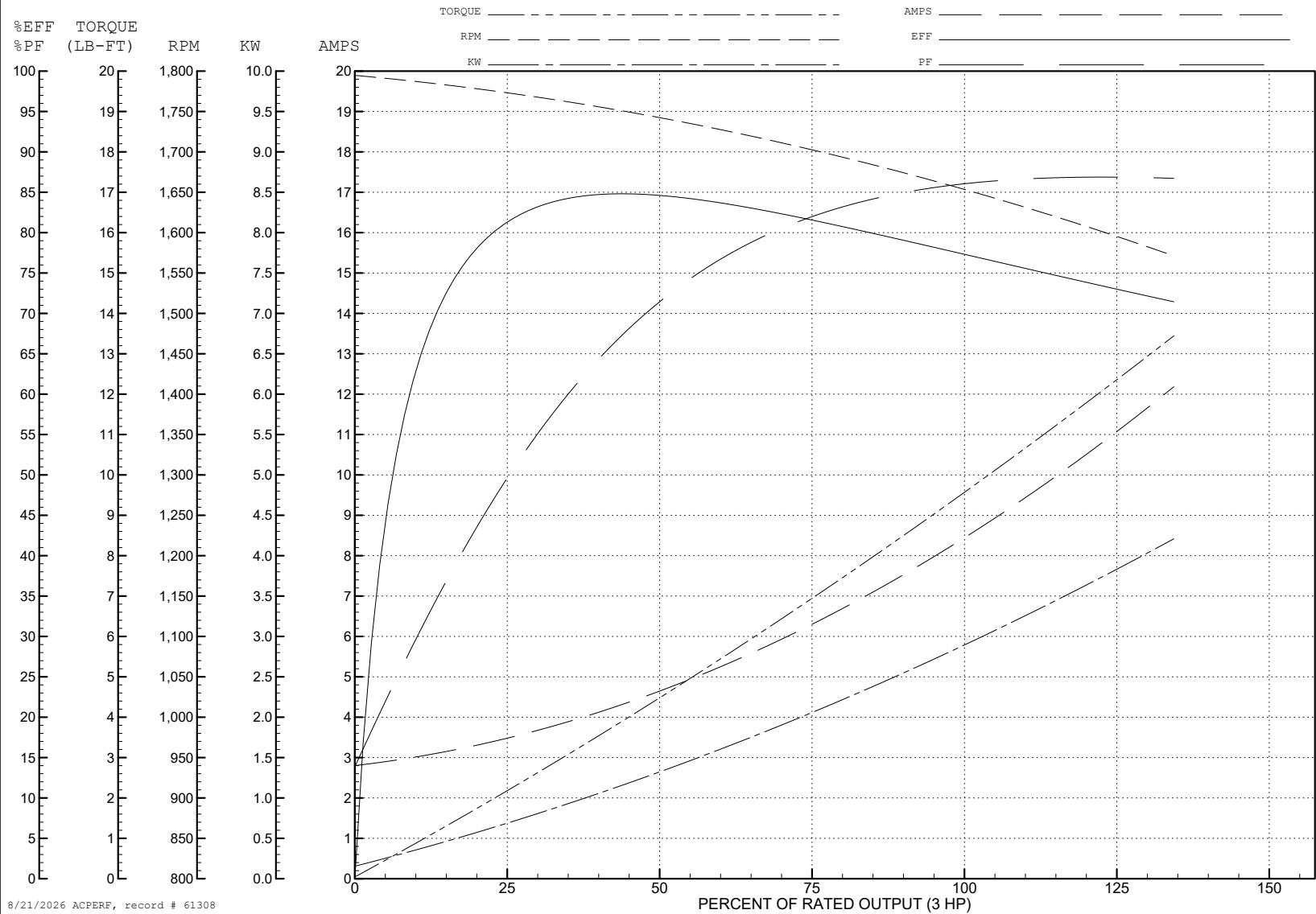
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WINDING # 36GW039

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 1670 RPM 230 V 3623M

TORQUES (LB-FT): PO=23 PU=18 LR=19 LRA=41



AC Induction Motor Performance Data

Record # 61309

Typical performance - not guaranteed values

Winding: 36WGW039-R003			Type: 3623M		Enclosure: OPEN			
Nameplate Data			230 V, 60 Hz: Low Speed Connection					
Rated Output (HP)		3/.75	Full Load Torque		4.6 LB-FT			
Volts		208-230	Start Configuration		direct on line			
Full Load Amps		8/3	Breakdown Torque		8.5 LB-FT			
R.P.M.		1725/850	Pull-up Torque		6 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		6.2 LB-FT		
NEMA Design Code		-	KVA Code	F	Starting Current		9.2 A	
Service Factor (S.F.)		1.15	No-load Current		1.9 A			
NEMA Nom. Eff.		0	Power Factor		0	Line-line Res. @ 25°C		8.46 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		37°C	
S.F. Amps					Temp. Rise @ S.F. Load		45°C	
					Locked-rotor Power Factor		57.1	
					Rotor inertia		0.216 LB-FT2	

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	S.F.
Power Factor	30	47	59	65	72	69
Efficiency	60.1	70.1	72	71	67	68.6
Speed	887	875	860	842	820	829
Line amperes	2	2.2	2.5	3	3.5	3.3

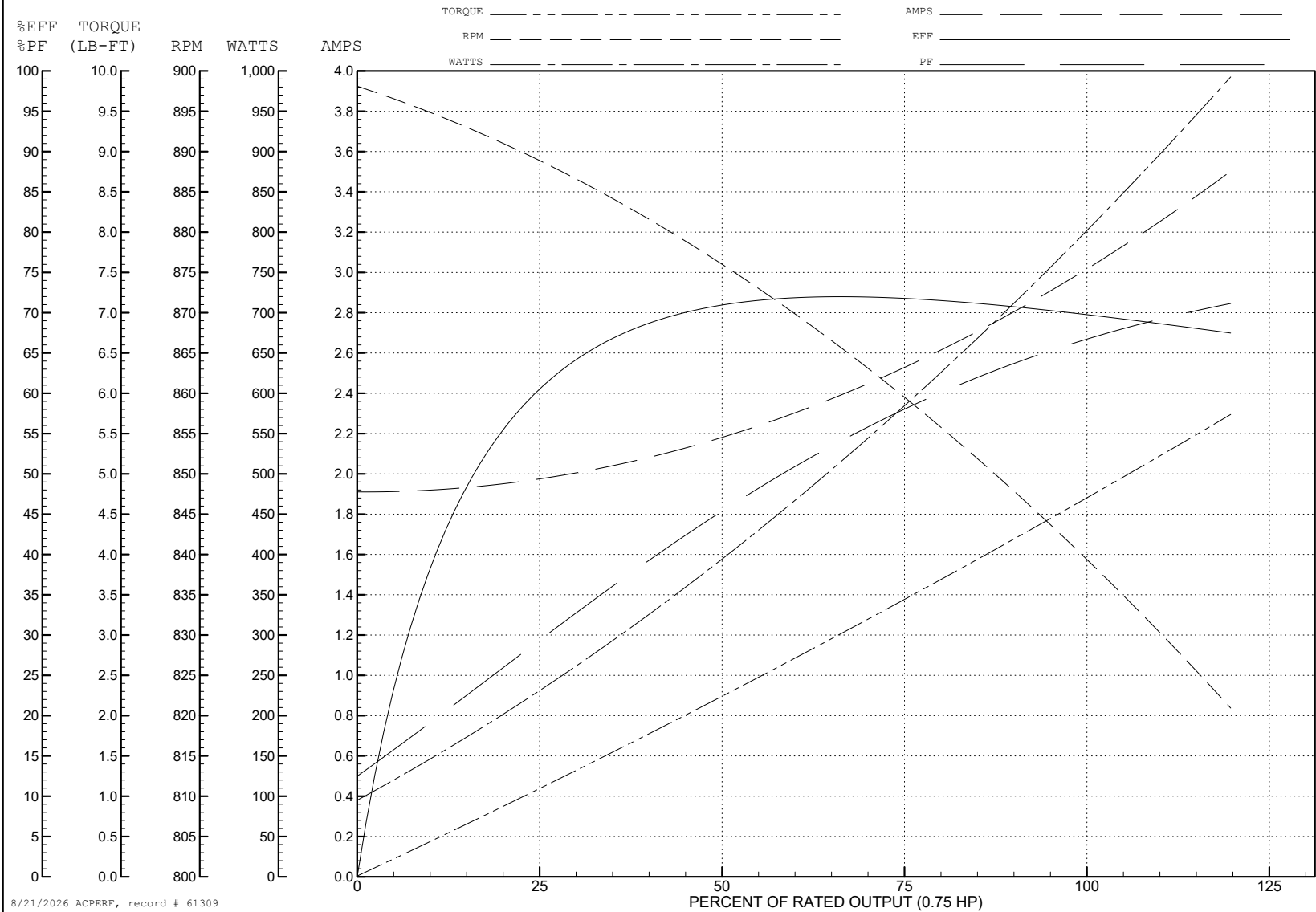
ABB Motors and Mechanical Inc.

WINDING # 36GW039

0.75 HP 3 PH 60 HZ 842 RPM 230 V 3623M

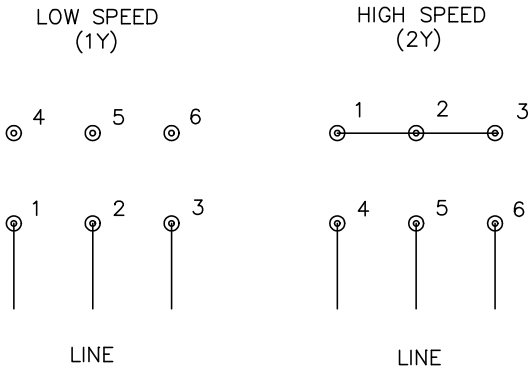
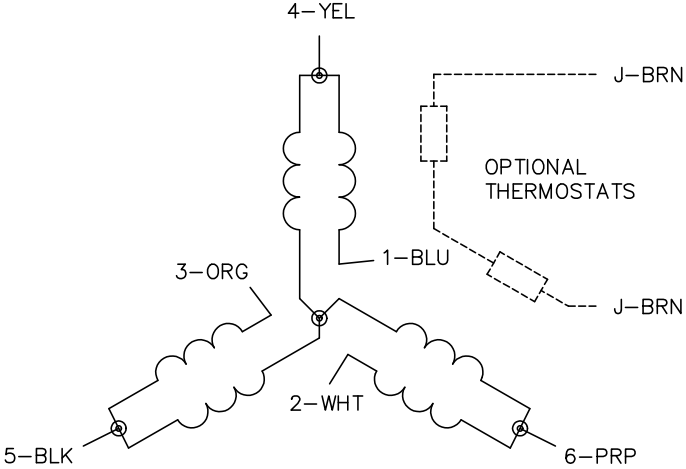
Typical performance - not guaranteed values.

TORQUES (LB-FT) : PO=8.5 PU=6 LR=6.2 LRA=9.2





CD0032



- NOTES:
- 1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
 - 2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
 - 3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
 - 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: 01/22/99 8:27	TDR: 0171435
CD0032		FILE: AAA00005145	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, 2-SPEED 1-WINDING VARIABLE TORQUE

CD0032