

ABB BALDOR RELIANCE III

Customer information packet

M1022T

2/.89HP, 1725/1140RPM, 3PH, 60HZ, 182T, 3628M

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	182T
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	2.000 HP @ 60 HZ .890 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	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	5.800 A @ 230.0 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	3.2 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AA
Type	AC
Mech. spec.	36B001
Base	
Status	PRD/A
Elec. spec.	36WGW065
Layout	36LYB001
Eff. date	10-30-2025
CD Diagram	CD0013
Poles	04/06
Leads	6#16
Proprietary	False
Created date	01-01-0001

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	3628M
Mounting Arrangement	F1
Number of Poles	4
	6
Overall Length	15.00 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	1140 rpm
	1725 rpm
Speed Code	2S-2W-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.	M1022T										
SPEC.	36B01W65										
HP	2/.89										
VOLTS	230										
AMP	5.8/3.2										
RPM	1725/1140										
FRAME	182T		HZ	60			PH	3			
SER.F.	1.15		CODE	F	DES	B	CLASS	F			
NEMA-NOM-EFF			PF								
RATING	40C AMB-CONT										
CC											
DE	6206		ODE	6205							
ENCL	OPEN		SN								

Parts List

Part number	Description	Quantity
SA034221	SA 36B01W65	1.000 ea
RA030249	RA 36B01W65	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
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 ea
LC0013	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 # 61296

Typical performance - not guaranteed values

Winding: 36WGW065-R002			Type: 3628M		Enclosure: TEFC		
Nameplate Data			230 V, 60 Hz: High Speed Connection				
Rated Output (HP)		2/.89	Full Load Torque		6 LB-FT		
Volts		230	Start Configuration		direct on line		
Full Load Amps		5.8/3.2	Breakdown Torque		16.5 LB-FT		
R.P.M.		1725/1140	Pull-up Torque		12.7 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		14.7 LB-FT	
NEMA Design Code		B	KVA Code	F	Starting Current		33.4 A
Service Factor (S.F.)		1.15		No-load Current		2.2 A	
NEMA Nom. Eff.		0	Power Factor	0	Line-line Res. @ 25°C		3.58 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		62°C	
S.F. Amps				Temp. Rise @ S.F. Load		77°C	
				Locked-rotor Power Factor		69.7	
				Rotor inertia		0.263 LB-FT2	

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	52	67	85	87	95	92	92
Efficiency	69.6	77.5	78.4	78.1	77	73.7	77.4
Speed	1775	1750	1736	1710	1691	1647	1699
Line amperes	2.6	3.6	4.2	5.4	6.2	7.8	5.88

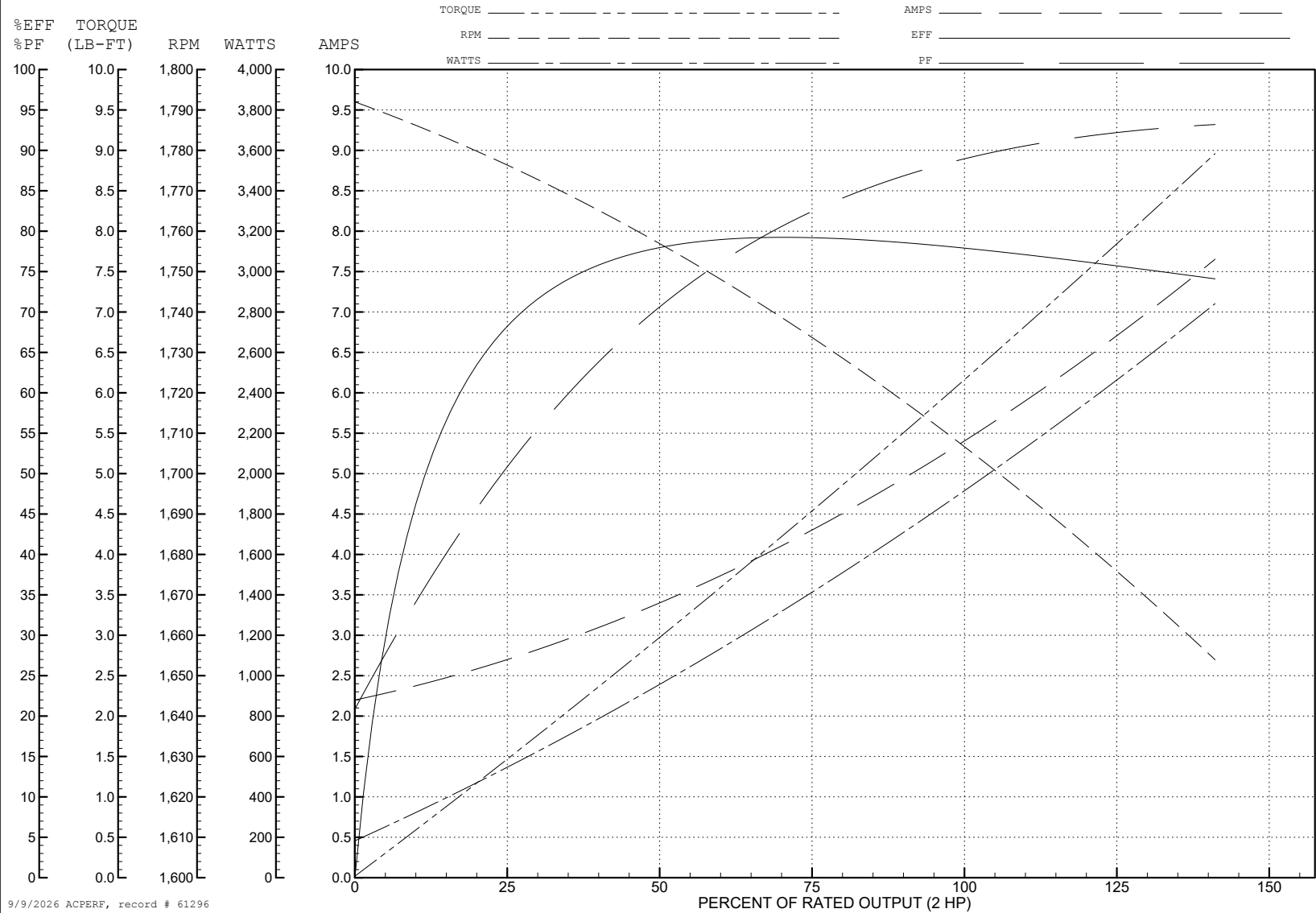
ABB Motors and Mechanical Inc.

WINDING # 36WG065

Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 1710 RPM 230 V 3628M

TORQUES (LB-FT): PO=16.5 PU=12.7 LR=14.7 LRA=33.4



AC Induction Motor Performance Data

Record # 61297

Typical performance - not guaranteed values

Winding: 36WGW065-R002			Type: 3628M		Enclosure: TEFC		
Nameplate Data			230 V, 60 Hz: Low Speed Connection				
Rated Output (HP)		2/.89	Full Load Torque		4 LB-FT		
Volts		230	Start Configuration		direct on line		
Full Load Amps		5.8/3.2	Breakdown Torque		13 LB-FT		
R.P.M.		1725/1140	Pull-up Torque		8.2 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		8.7 LB-FT	
NEMA Design Code		B	KVA Code	F	Starting Current		17.8 A
Service Factor (S.F.)		1.15		No-load Current		2.4 A	
NEMA Nom. Eff.		0	Power Factor	0	Line-line Res. @ 25°C		6.62 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		47°C	
S.F. Amps				Temp. Rise @ S.F. Load		54°C	
				Locked-rotor Power Factor		67.3	
				Rotor inertia		0.263 LB-FT2	

Load Characteristics 230 V, 60 Hz, 0.89 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	48	61	68	75	77	72
Efficiency	51.8	62.4	68.7	71.4	72.4	71.9	72
Speed	1190	1182	1172	1163	1151	1134	1156
Line amperes	2.6	2.8	3	3.4	3.8	4.4	3.64

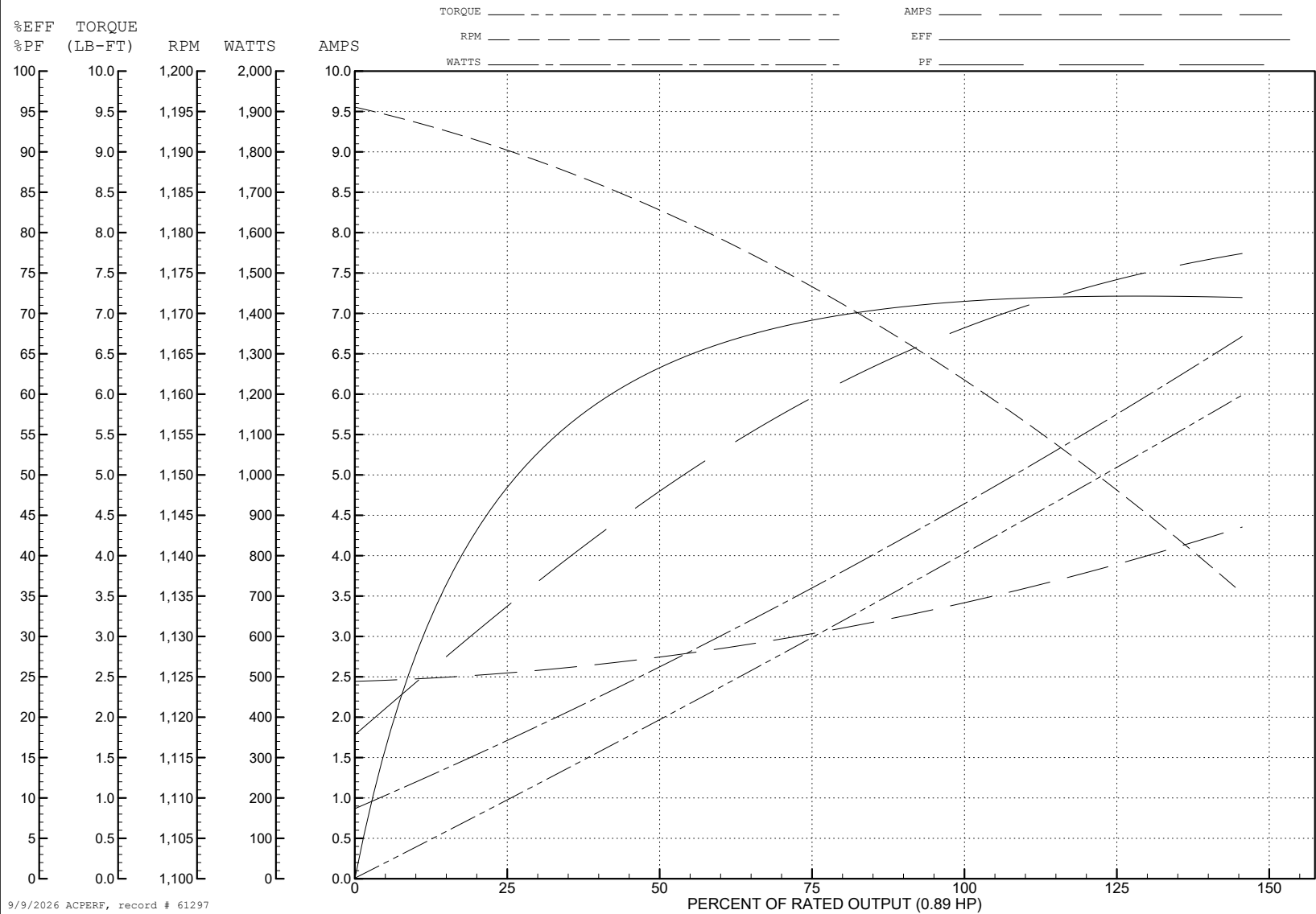
ABB Motors and Mechanical Inc.

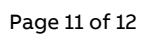
WINDING # 36WG065

Typical performance - not guaranteed values.

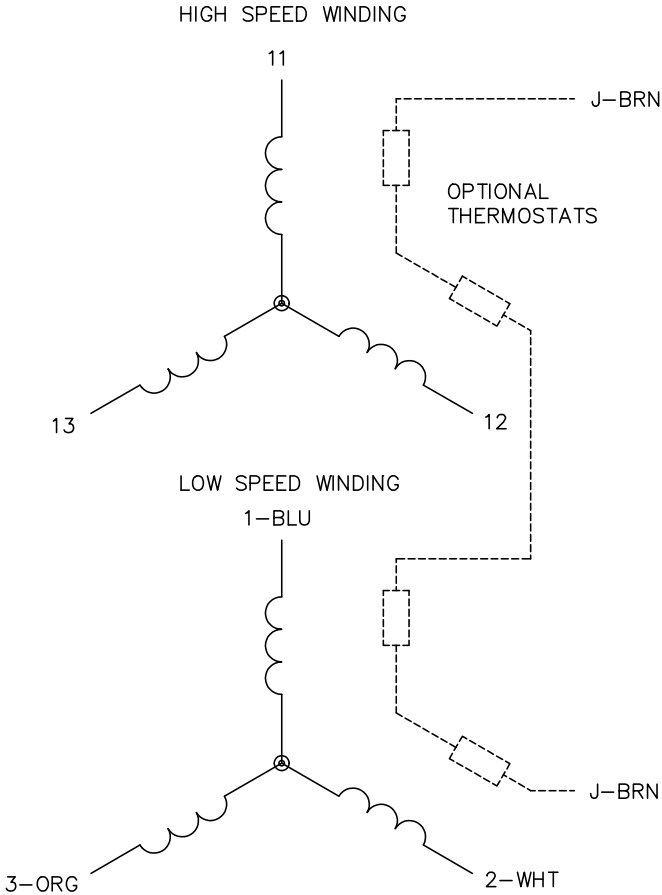
0.89 HP 3 PH 60 HZ 1163 RPM 230 V 3628M

TORQUES (LB-FT) : PO=13 PU=8.2 LR=8.7 LRA=17.8

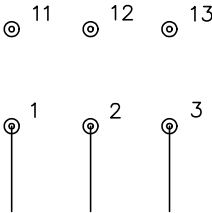




CD0013

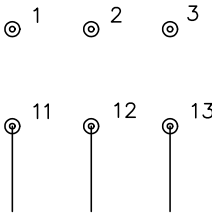


LOW SPEED



LINE

HIGH SPEED



LINE

- 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 VARY.
 - 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0013

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 01/22/99 8:50	TDR: 0171435
CD0013		FILE: AAA00005143	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, 2-SPEED 2-WINDING