

**BALDOR® • RELIANCE** 

**Product Information Packet**

**M1523T**

**3/1.3HP, 1725/1140RPM, 3PH, 60HZ, 184T, 3634M**

Part Detail							
Revision:	Y	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WG055	CD Diagram:	CD0013	Mfg Plant:	
Mech. Spec:	36A001	Layout:	36LYA001	Poles:	04/06	Created Date:	
Base:	RG	Eff. Date:	01-23-2020	Leads:	6#16		

Specs			
Catalog Number:	M1523T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	184T	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	G
Output @ Frequency:	3.000 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
	1.300 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 16 AWG
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3634M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding

<b>Current @ Voltage:</b>	5.100 A @ 230.0 V	<b>Shaft Rotation:</b>	Reversible
	8.000 A @ 208.0 V	<b>Shaft Slinger Indicator:</b>	No Slinger
<b>Design Code:</b>	B	<b>Speed Code:</b>	2S-2W-VT
<b>Drip Cover:</b>	No Drip Cover	<b>Motor Standards:</b>	NEMA
<b>Duty Rating:</b>	CONT	<b>Starting Method:</b>	Direct on line
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Thermal Device - Bearing:</b>	None
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Winding:</b>	None
<b>Front Face Code:</b>	Standard	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Front Shaft Indicator:</b>	None	<b>Winding Thermal 1:</b>	None
		<b>Winding Thermal 2:</b>	None

Nameplate NP1256L										
CAT.NO.	M1523T									
SPEC.	36A01W55									
HP	3/1.3									
VOLTS	208-230									
AMP	8/5.1									
RPM	1725/1140									
FRAME	184T				HZ	60			PH	3
SER.F.	1.15		CODE	G	DES	B		CLASS	F	
NEMA-NOM-EFF			PF							
RATING	40C AMB-CONT									
CC									USABLE AT 208V	
DE	6206				ODE	6205				
ENCL	TEFC			SN						

Parts List		
Part Number	Description	Quantity
SA033893	SA 36A01W55	1.000 EA
RA029921	RA 36A01W55	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	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
36EP3104A01	FREP MACH ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3100A01SP	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A102	IEC FH GREASER PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	36 LIPPED CB LID - GALVANNEAL	1.000 EA
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	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, MOBIL POLYREX EM - 124047	0.050 LB
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.022 GA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0013	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA

<b>Accessories</b>		
<b>Part Number</b>	<b>Description</b>	<b>Multiplier</b>
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

**AC Induction Motor Performance Data**

Record # 37304 - Typical performance - not guaranteed values

<b>Winding:</b> 36WGW055-R004	<b>Type:</b> 3634M	<b>Enclosure:</b> TEFC
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Nameplate Data				230 V, 60 Hz: High Speed Connection	
Rated Output (HP)	3/1.3			Full Load Torque	9.2 LB-FT
Volts	208-230			Start Configuration	direct on line
Full Load Amps	8/5.1			Breakdown Torque	28 LB-FT
R.P.M.	1725/1140			Pull-up Torque	13 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	19 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	48 A
Service Factor (S.F.)	1.15			No-load Current	3 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	2.46 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	52°C
S.F. Amps				Temp. Rise @ S.F. Load	66°C

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	77	87	90	91	89	91
Efficiency	74.3	81.6	82.4	81.2	78.7	75.2	79.7
Speed	1781	1763	1742	1718	1690	1655	1701
Line amperes	3.5	4.6	6	7.7	9.7	12.1	8.9

Performance Graph at 230V, 60Hz, 3.0HP Typical performance - Not guaranteed values

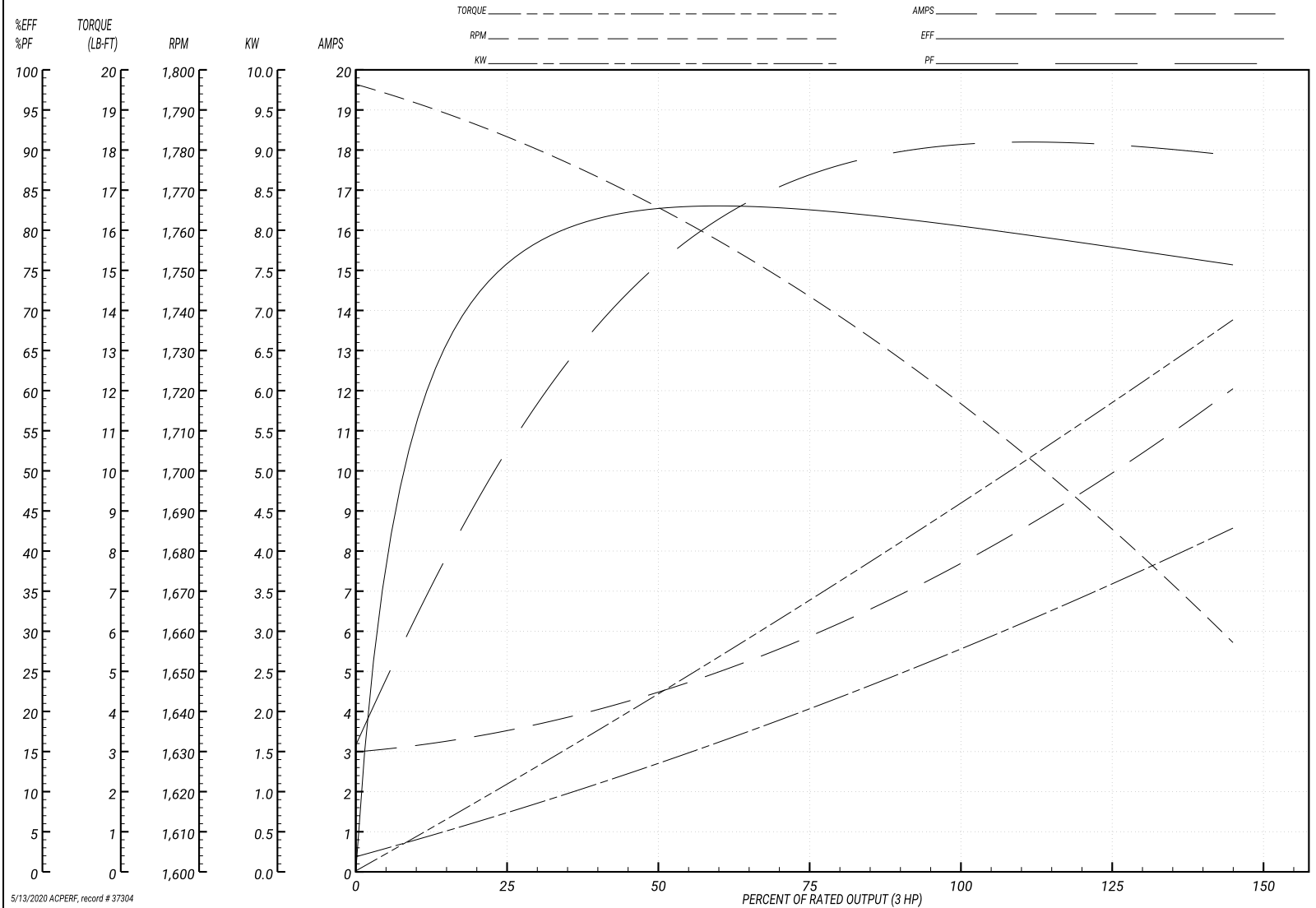
ABB Motors and Mechanical Inc.

WINDING # 36WGW055

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 1718 RPM 230 V 3634M

TORQUES(LB-FT): PO=28 PU=13 LR=19 LRA=48



5/13/2020 ACPERF, record # 37304

**AC Induction Motor Performance Data**

Record # 37305 - Typical performance - not guaranteed values

<b>Winding:</b> 36WGW055-R004	<b>Type:</b> 3634M	<b>Enclosure:</b> TEFC
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Nameplate Data				230 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	3/1.3			Full Load Torque	5.9 LB-FT
Volts	208-230			Start Configuration	direct on line
Full Load Amps	8/5.1			Breakdown Torque	17 LB-FT
R.P.M.	1725/1140			Pull-up Torque	9.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	10.3 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	24 A
Service Factor (S.F.)	1.15			No-load Current	3.9 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	4.41 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	41°C
S.F. Amps				Temp. Rise @ S.F. Load	47°C

Load Characteristics 230 V, 60 Hz, 1.3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	44	57	65	72	77	69
Efficiency	52.5	66.9	72.8	75	75.6	74.9	75.4
Speed	1190	1181	1172	1161	1150	1137	1154
Line amperes	4	4.2	4.5	5	5.6	6.21	5.36

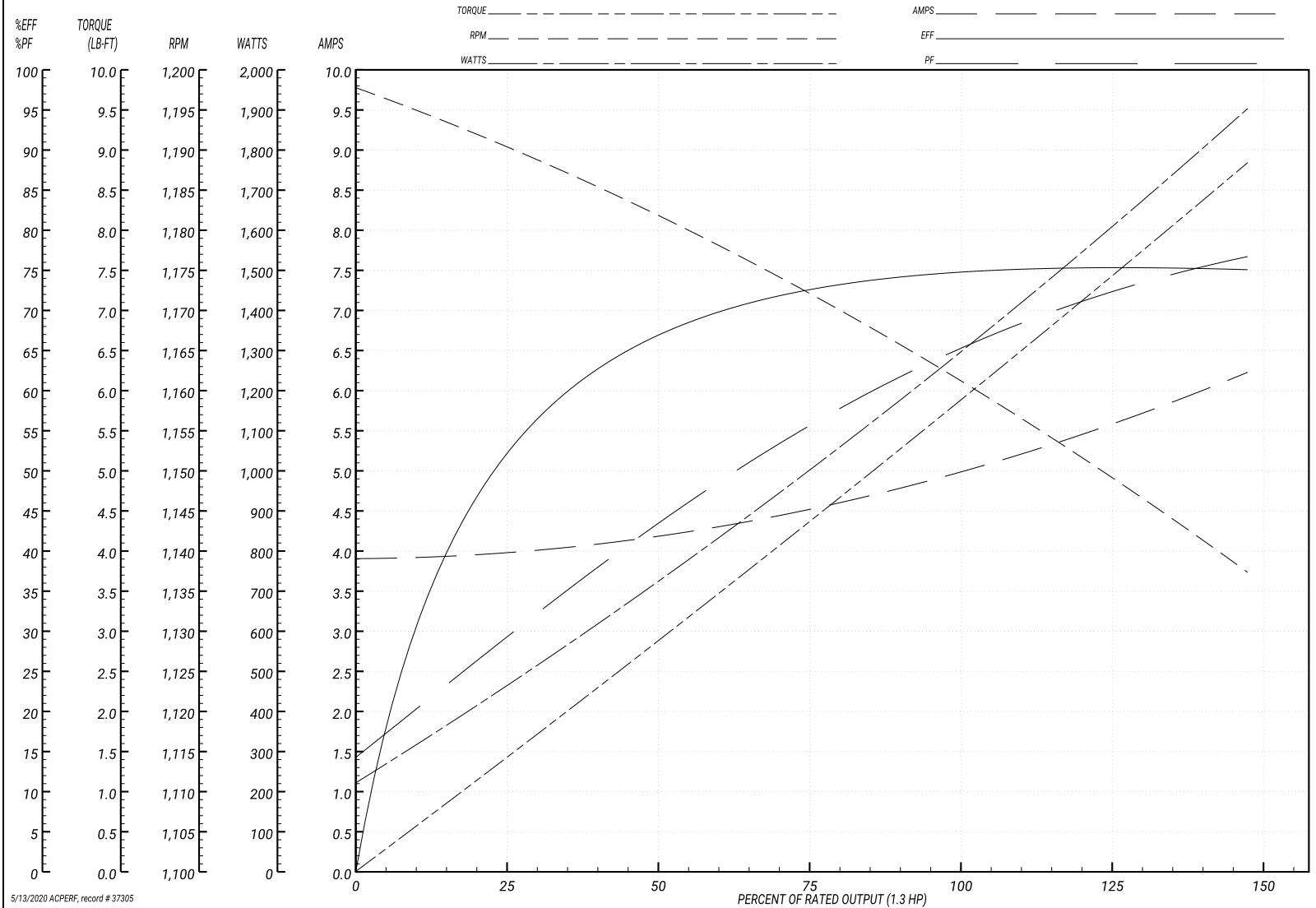
Performance Graph at 230V, 60Hz, 1.3HP Typical performance - Not guaranteed values

ABB Motors and Mechanical Inc.

WINDING # 36WG055

Typical performance - not guaranteed values.

1.3 HP 3 PH 60 HZ 1161 RPM 230 V 3634M  
 TORQUES(LB-FT): PO=17 PU=9.2 LR=10.3 LRA=24



5/13/2020 ACPERF, record # 37305

