

ABB BALDOR RELIANCE III

Customer information packet

M1523T

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

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
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 1.300 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	5.100 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	5.1 a

Part Detail

Revision	AC
Type	AC
Mech. spec.	36A001
Base	
Status	PRD/A
Elec. spec.	36WGW055
Layout	36LYA001
Eff. date	05-20-2025
CD Diagram	CD0013
Poles	04/06
Leads	6#16
Proprietary	False
Created date	01-01-0001

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
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	3634M
Mounting Arrangement	F1
Number of Poles	4
	6
Overall Length	16.54 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.	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									
DE	6206		ODE	6205					
ENCL	TEFC	SN							

Accessories

Part number	Description	Multiplier
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

Winding: 36WGW055-R004			Type: 3634M		Enclosure: TEFC			
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

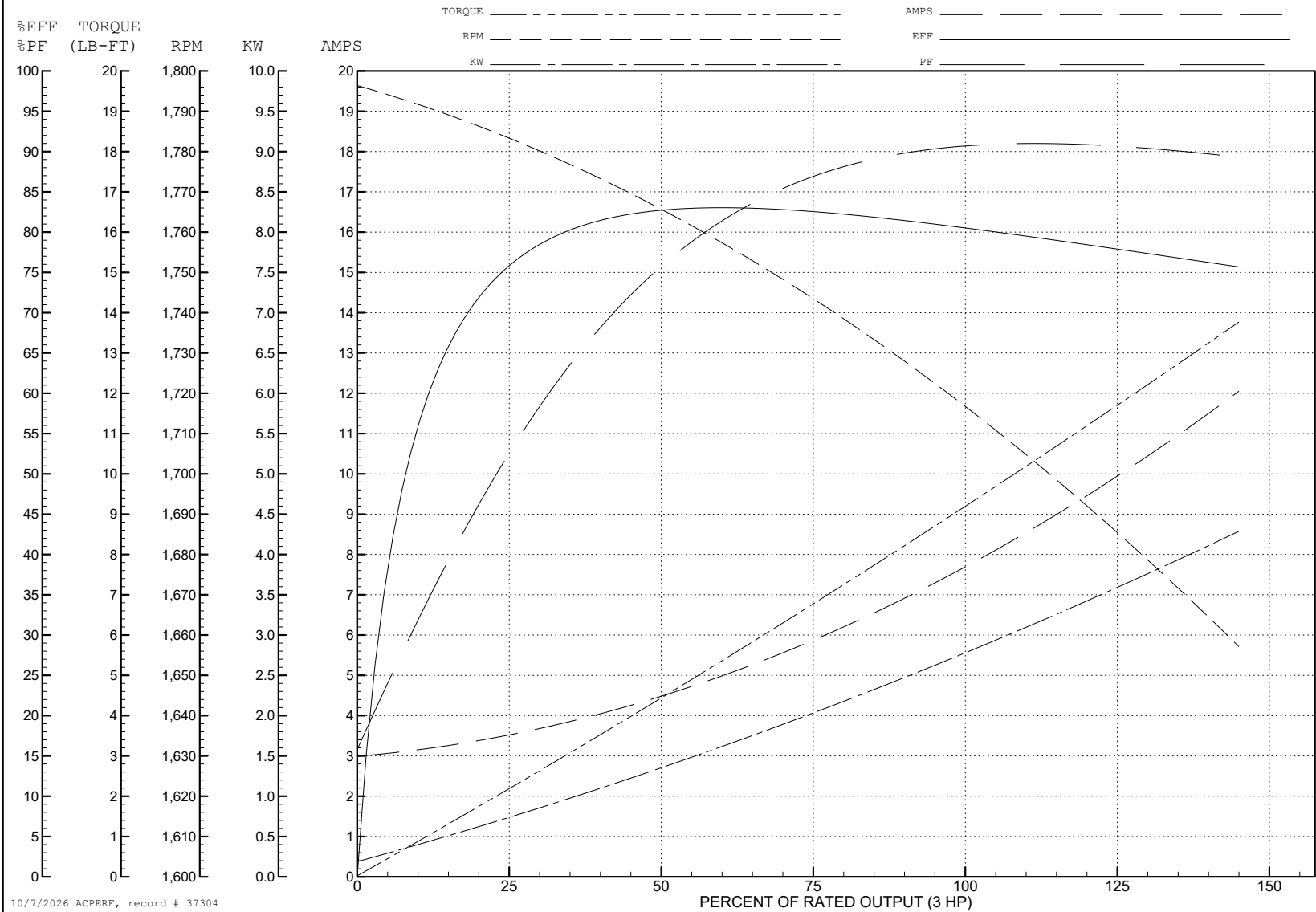
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WINDING # 36WGW055

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



AC Induction Motor Performance Data

Record # 37305

Typical performance - not guaranteed values

Winding: 36WGW055-R004			Type: 3634M		Enclosure: TEFC	
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	Starting Current		24 A
Service Factor (S.F.)		1.15		No-load Current		3.9 A
NEMA Nom. Eff.		0	Power Factor	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

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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

