

ABB BALDOR RELIANCE III

Customer information packet

M1023T

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

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 1.300 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	8.000 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	5.1 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AC
Type	AC
Mech. spec.	36B001
Base	
Status	PRD/A
Elec. spec.	36WGW055
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	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	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.	M1023T										
SPEC.	36B01W55										
HP	3/1.3										
VOLTS	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	OPEN		SN								

Accessories

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

AC Induction Motor Performance Data

Record # 61316

Typical performance - not guaranteed values

Winding: 36WGW055-R005			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		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	
					Locked-rotor Power Factor		65.1	
					Rotor inertia		0.319 LB-FT2	

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	81.5	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

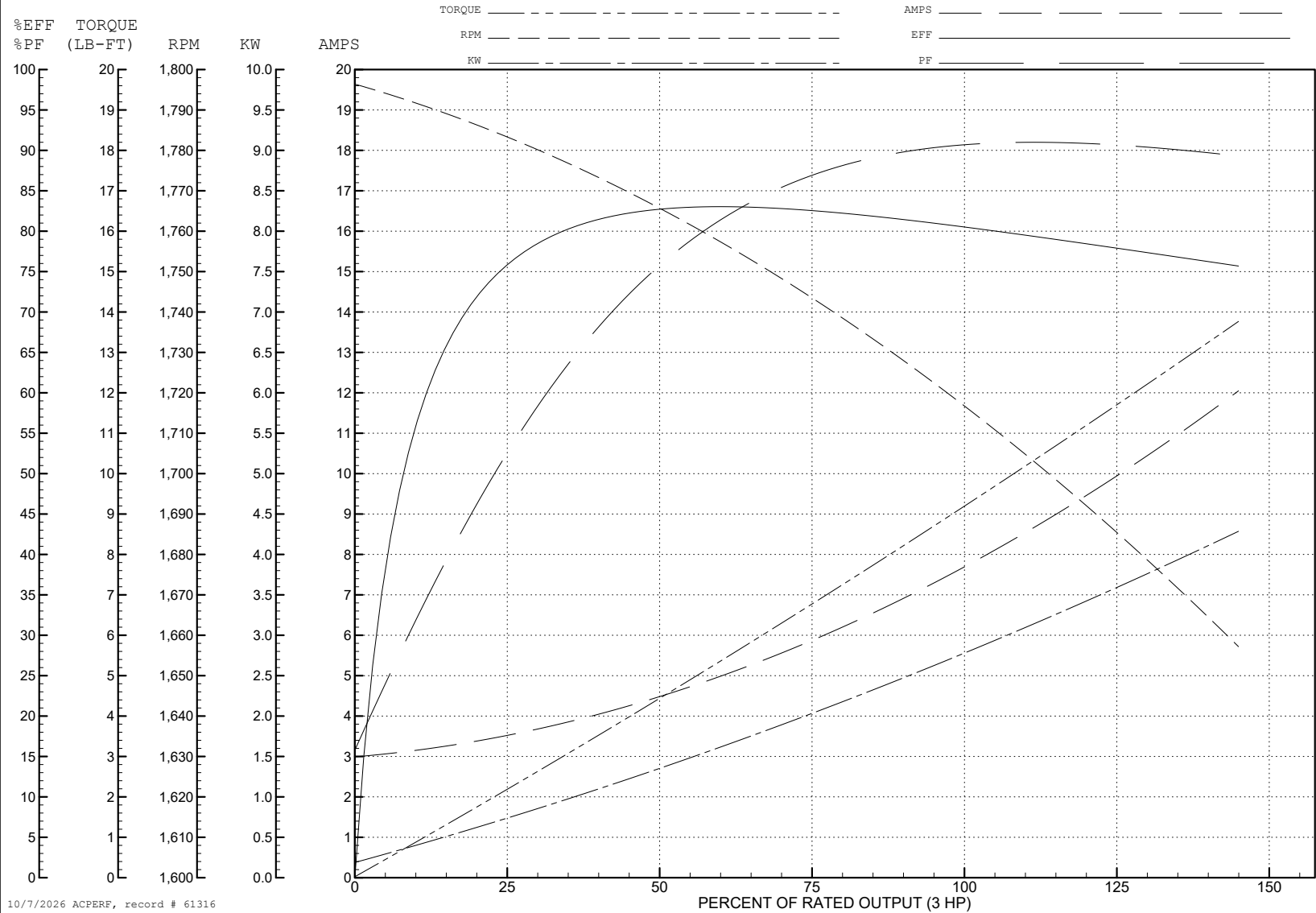
ABB Motors and Mechanical Inc.

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



AC Induction Motor Performance Data

Record # 61319

Typical performance - not guaranteed values

Winding: 36WGW055-R005			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		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		4.4 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		41°C	
S.F. Amps				Temp. Rise @ S.F. Load		47°C	
				Locked-rotor Power Factor		65.1	
				Rotor inertia		0.319 LB-FT2	

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	52.4	66.9	72.8	75	75.5	74.9	75.3
Speed	1190	1181	1172	1161	1150	1137	1154
Line amperes	4	4.2	4.5	5	5.6	6.21	5.36

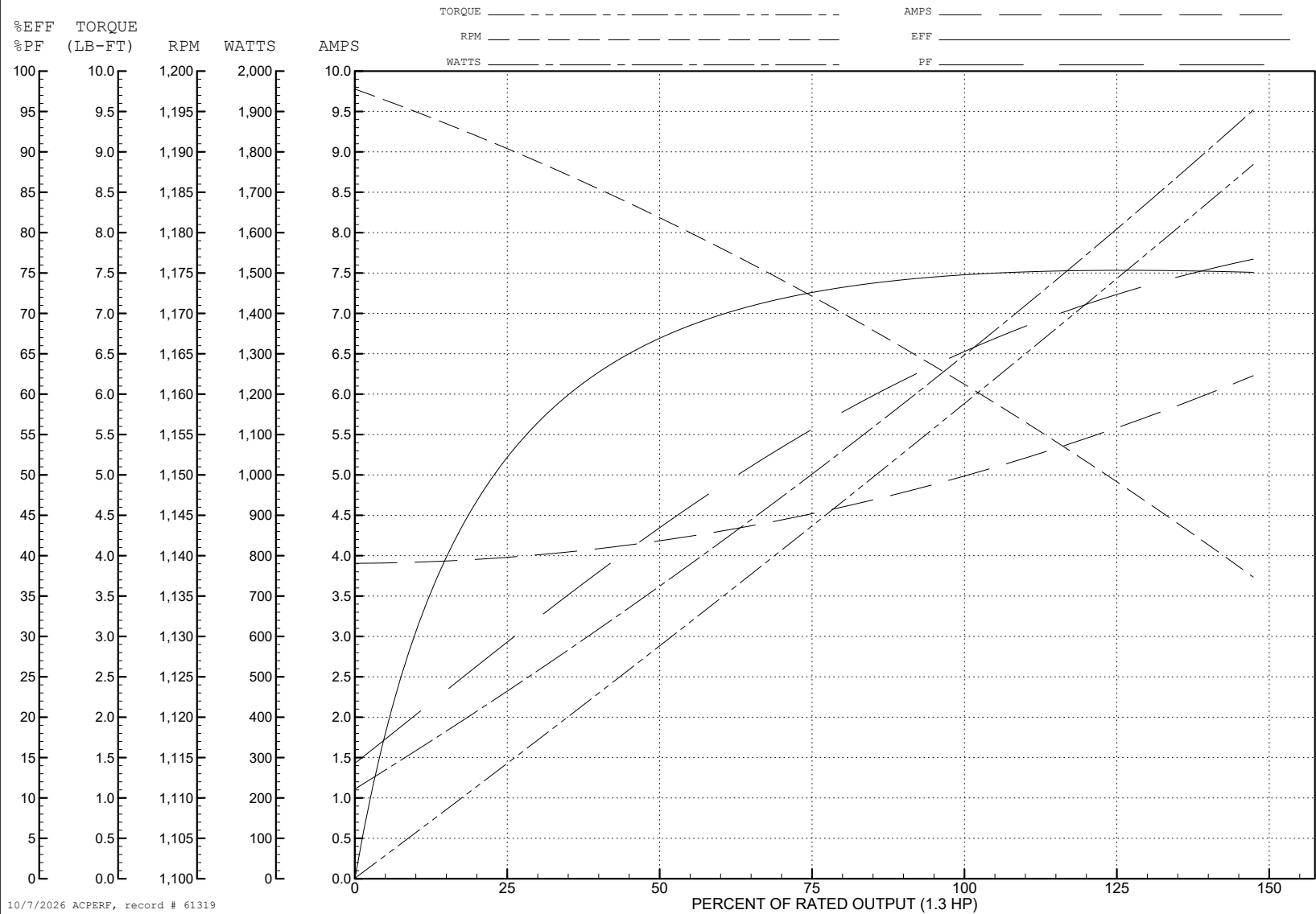
ABB Motors and Mechanical Inc.

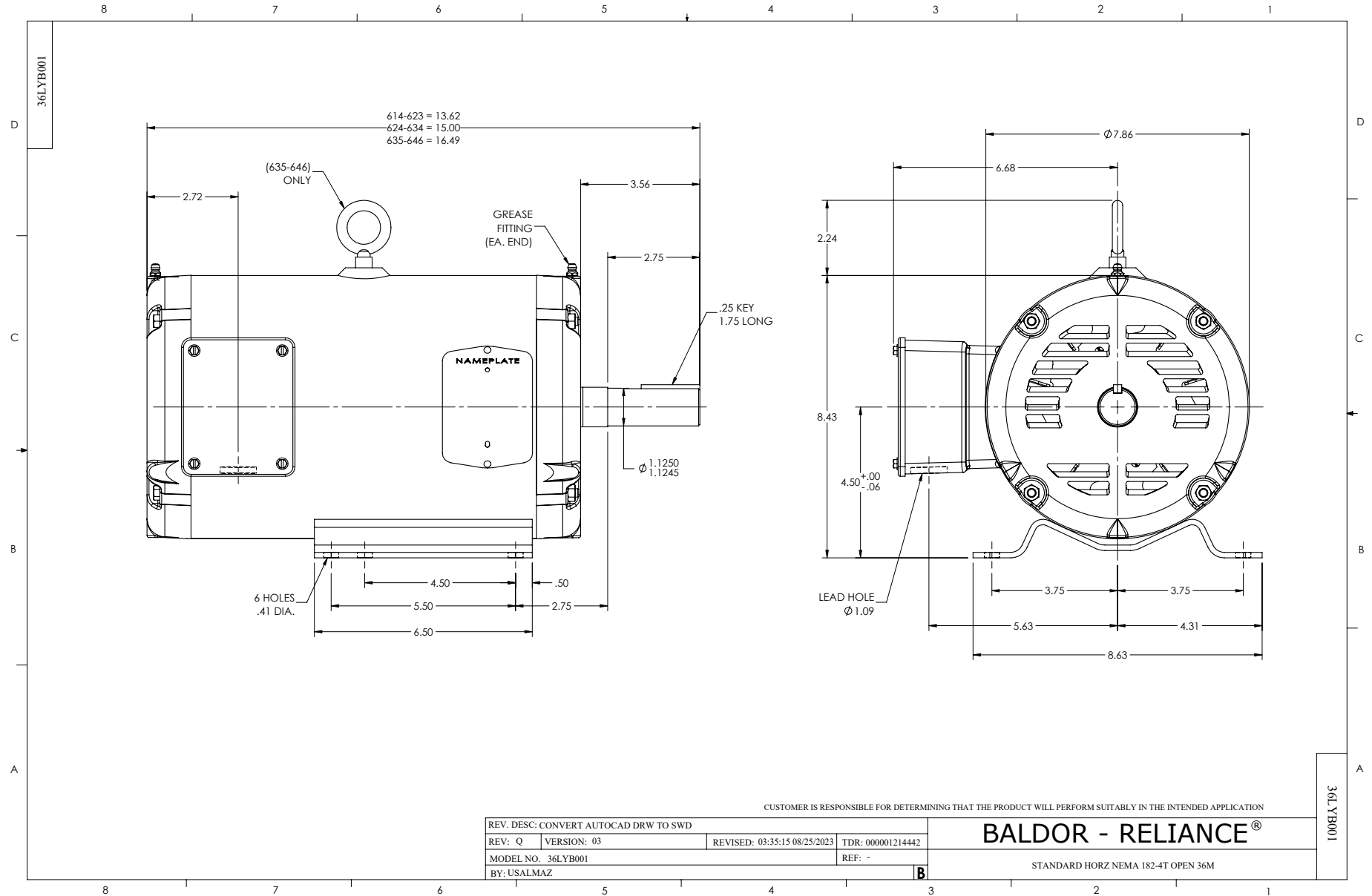
WINDING # 36WG055

Typical performance - not guaranteed values.

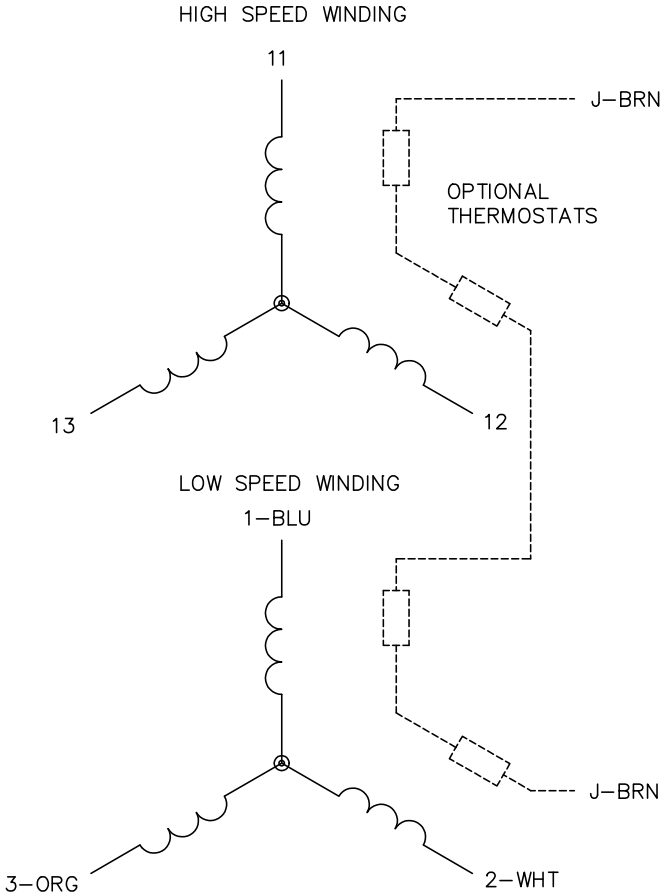
1.3 HP 3 PH 60 HZ 1161 RPM 230 V 3634M

TORQUES (LB-FT): PO=17 PU=9.2 LR=10.3 LRA=24

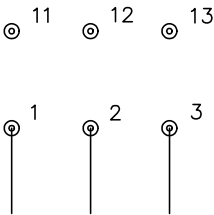




CD0013

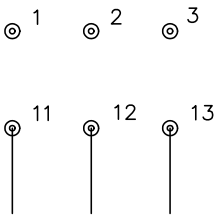


LOW SPEED



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