

**BALDOR • RELIANCE**

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# Customer information packet

## M1723T

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	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.000 A @ 460.0 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	2.6 a
Insulation Class	F
Inverter Code	Not Inverter

## Part detail

Revision	AA
Type	AC
Mech. spec.	36A001
Base	
Status	PRD/A
Elec. spec.	36WGY048
Layout	36LYA001
Eff. date	10-02-2024
CD Diagram	CD0013
Poles	04/06
Leads	6#16
Proprietary	False
Created date	01-01-0001

<b>KVA Code</b>	G
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Exit</b>	Ko Box
<b>Motor Lead Quantity/Wire Size</b>	6 @ 16 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3634M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4 6
<b>Overall Length</b>	16.54 IN
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	1.125 IN
<b>Shaft Extension Location</b>	Pulley End
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1140 rpm 1725 rpm
<b>Speed Code</b>	2S-2W-VT
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP1256L</b>									
<b>CAT.NO.</b>	M1723T								
<b>SPEC.</b>	36A01Y48								
<b>HP</b>	3/1.3								
<b>VOLTS</b>	460								
<b>AMP</b>	4/2.6								
<b>RPM</b>	1725/1140								
<b>FRAME</b>	184T		<b>HZ</b>	60		<b>PH</b>	3		
<b>SER.F.</b>	1.15	<b>CODE</b>	G	<b>DES</b>	B	<b>CLASS</b>	F		
<b>NEMA-NOM-EFF</b>		<b>PF</b>							
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6206		<b>ODE</b>	6205					
<b>ENCL</b>	TEFC	<b>SN</b>							

**Accessories**

<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 # 15218

Typical performance - not guaranteed values

Winding: 36WGY048-R002		Type: 3634M	Enclosure: TEFC
<b>Nameplate Data</b>		<b>460 V, 60 Hz: High Speed Connection</b>	
Rated Output (HP)	3/1.3	Full Load Torque	9.2 LB-FT
Volts	460	Start Configuration	direct on line
Full Load Amps	4/2.6	Breakdown Torque	28 LB-FT
R.P.M.	1725/1140	Pull-up Torque	13 LB-FT
Hz	60 Phase	Locked-rotor Torque	19 LB-FT
NEMA Design Code	B KVA Code	Starting Current	24 A
Service Factor (S.F.)	1.15	No-load Current	1.5 A
NEMA Nom. Eff.	0 Power Factor	Line-line Res. @ 25°C	9.85 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	

**Load Characteristics 460 V, 60 Hz, 3 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	54	75	85	90	92	92	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	1.75	2.3	3	3.85	4.85	6.1	4.45

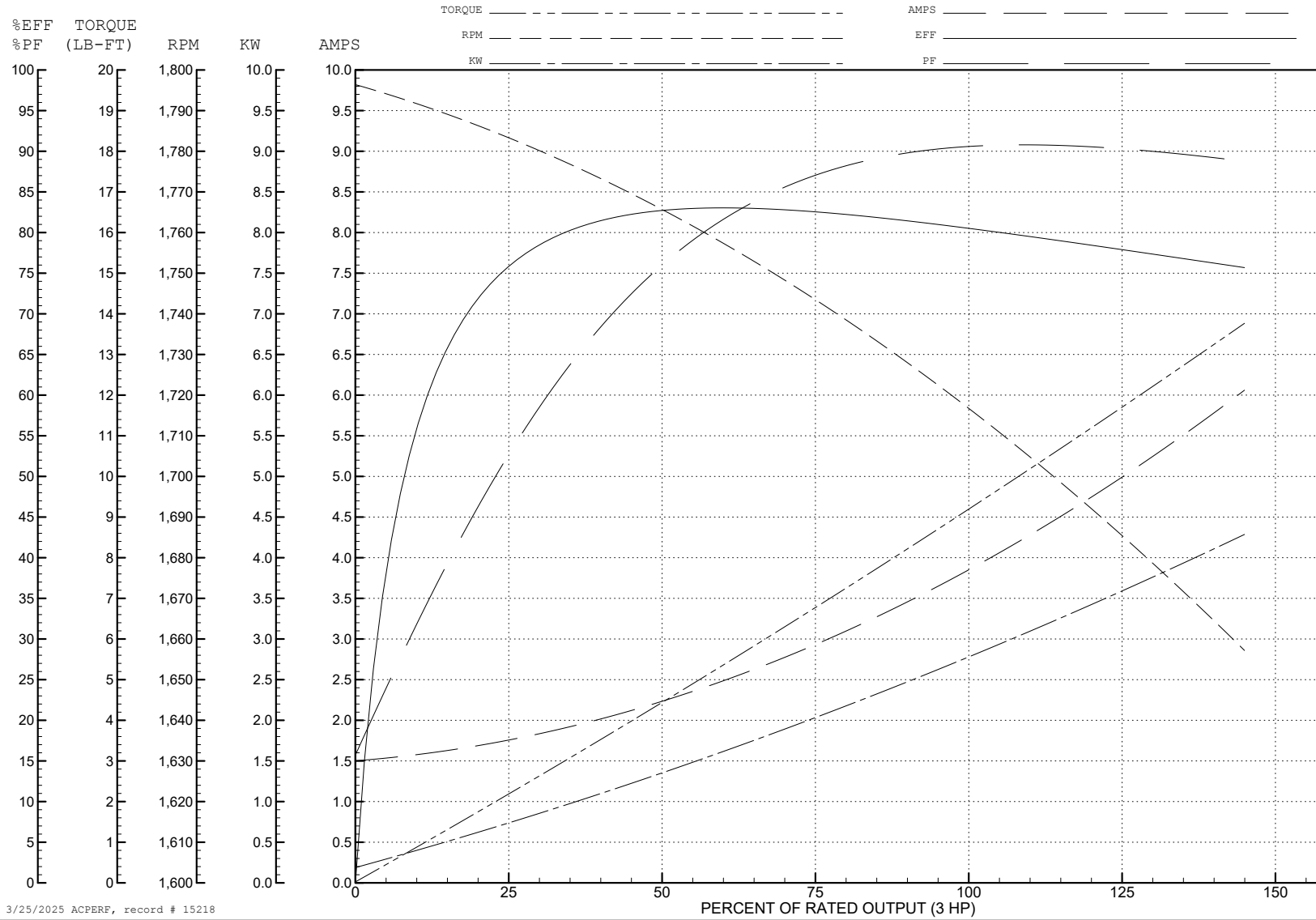
ABB Motors and Mechanical Inc.

WINDING # 36WGY048

3 HP 3 PH 60 HZ 1718 RPM 460 V 3634M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=28 PU=13 LR=19 LRA=24



3/25/2025 ACPERF, record # 15218

**AC Induction Motor Performance Data**

Record # 15219

Typical performance - not guaranteed values

Winding: 36WGY048-R002		Type: 3634M	Enclosure: TEFC
<b>Nameplate Data</b>		<b>460 V, 60 Hz: Low Speed Connection</b>	
Rated Output (HP)	3/1.3	Full Load Torque	5.9 LB-FT
Volts	460	Start Configuration	direct on line
Full Load Amps	4/2.6	Breakdown Torque	17 LB-FT
R.P.M.	1725/1140	Pull-up Torque	9.2 LB-FT
Hz	60 Phase	Locked-rotor Torque	10.3 LB-FT
NEMA Design Code	B KVA Code	Starting Current	12 A
Service Factor (S.F.)	1.15	No-load Current	1.95 A
NEMA Nom. Eff.	0 Power Factor	Line-line Res. @ 25°C	17.7 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	

**Load Characteristics 460 V, 60 Hz, 1.3 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	43	55	65	72	78	69
Efficiency	52.3	66.9	72.7	75	75.5	74.9	75.3
Speed	1190	1181	1172	1161	1150	1137	1154
Line amperes	2	2.1	2.25	2.5	2.8	3.1	2.7



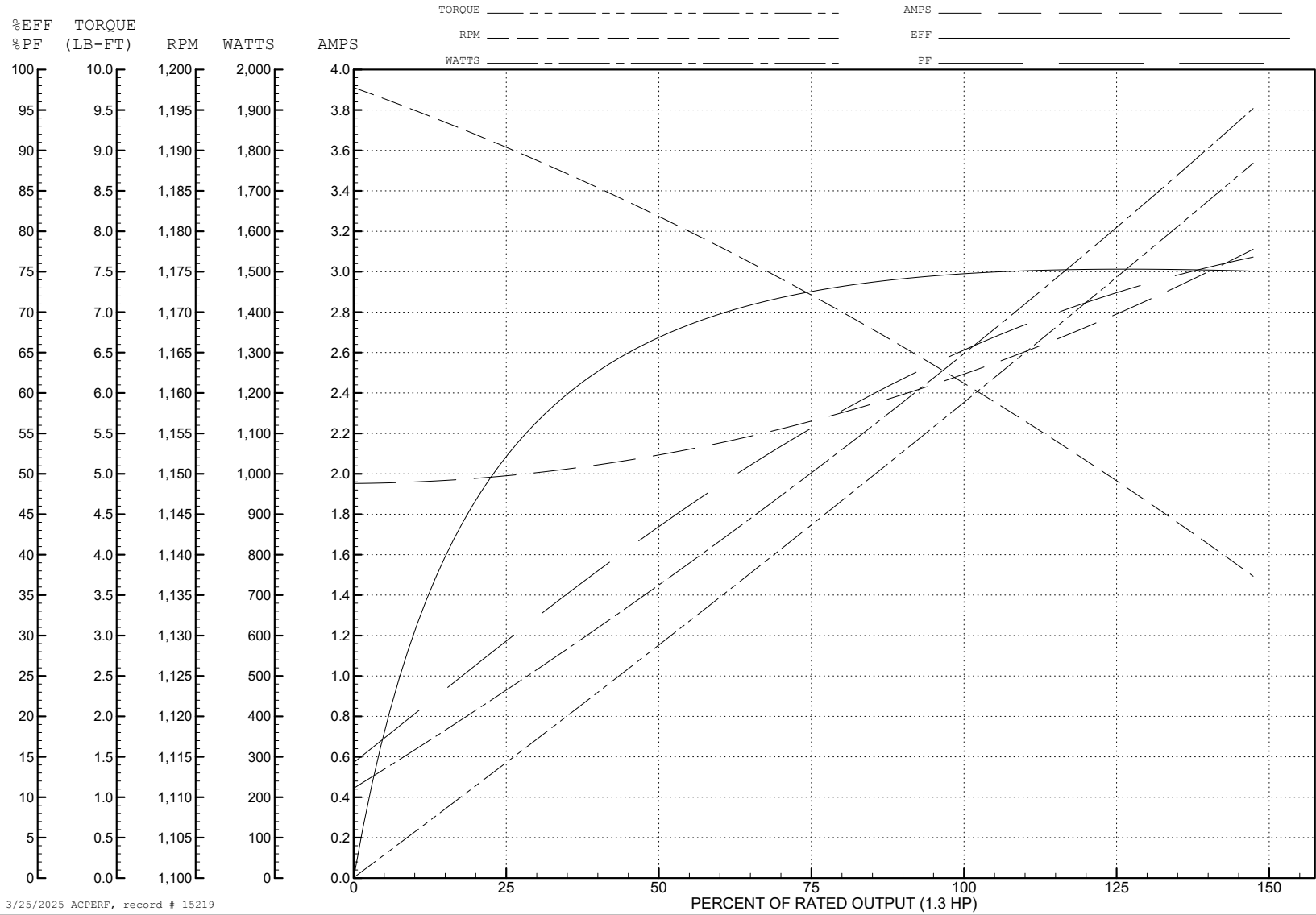
ABB Motors and Mechanical Inc.

WINDING # 36WGY048

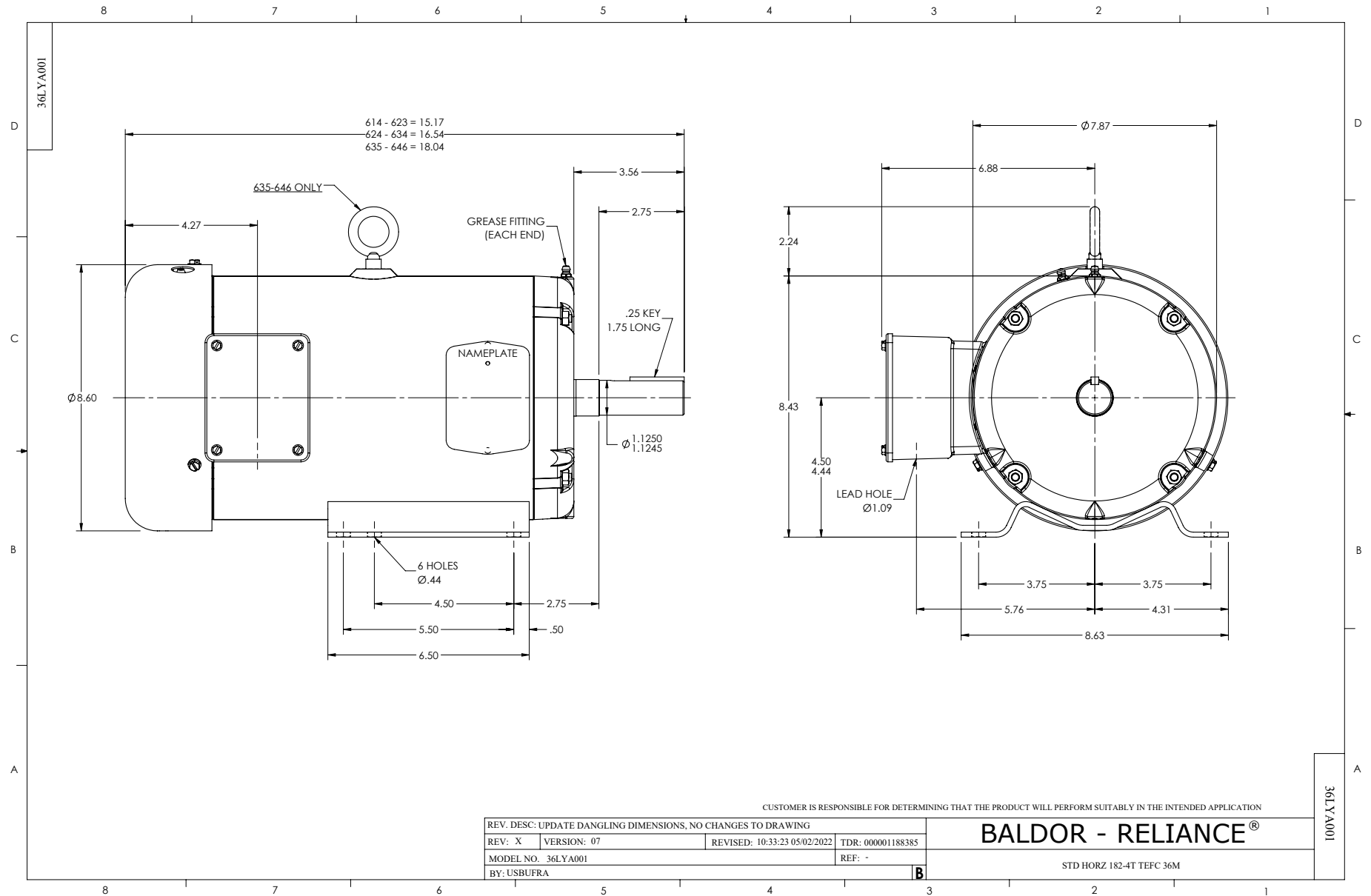
Typical performance - not guaranteed values.

1.3 HP 3 PH 60 HZ 1161 RPM 460 V 3634M

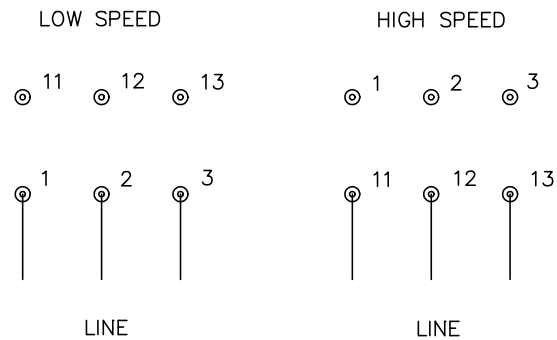
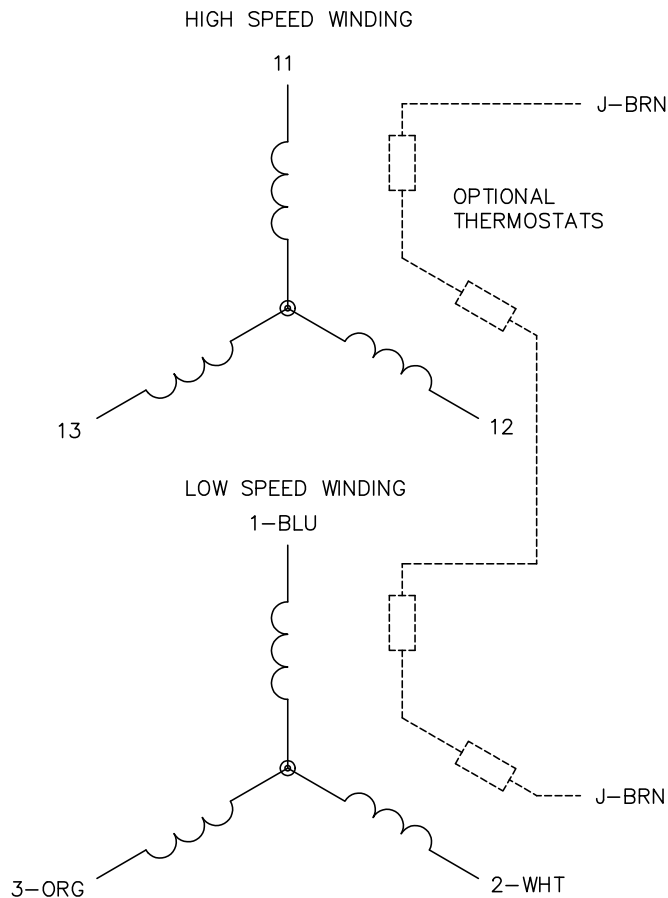
TORQUES (LB-FT): PO=17 PU=9.2 LR=10.3 LRA=12



3/25/2025 ACPERF, record # 15219



CD0013



**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
Ω 10000		FILE: AAA00005143	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

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