

**BALDOR • RELIANCE**

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# Customer information packet

## M1758T

5/1.3HP, 1725/850RPM, 3PH, 60HZ, 184T, 3640M

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	5.000 HP @ 60 HZ 1.300 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 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	6.700 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	2.5 a
Insulation Class	F
Inverter Code	Not Inverter

## Part detail

Revision	AB
Type	AC
Mech. spec.	36A001
Base	
Status	PRD/A
Elec. spec.	36GW388
Layout	36LYA001
Eff. date	10-02-2024
CD Diagram	CD0032
Poles	04/08
Leads	6#16
Proprietary	False
Created date	01-01-0001

<b>KVA Code</b>	K
<b>Lifting Lugs</b>	Standard 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>	3640M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4 8
<b>Overall Length</b>	18.04 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>	1725 rpm 850 rpm
<b>Speed Code</b>	2S-1W-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>	M1758T								
<b>SPEC.</b>	36A01W388								
<b>HP</b>	5/1.3								
<b>VOLTS</b>	460								
<b>AMP</b>	6.7/2.5								
<b>RPM</b>	1725/850								
<b>FRAME</b>	184T		<b>HZ</b>	60		<b>PH</b>	3		
<b>SER.F.</b>	1.15	<b>CODE</b>	K	<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 # 36959

Typical performance - not guaranteed values

<b>Winding: 36WGW388-R005</b>		<b>Type: 3640M</b>		<b>Enclosure: TEFC</b>	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Speed Connection</b>		
<b>Rated Output (HP)</b>	5/1.3		<b>Full Load Torque</b>	15.1 LB-FT	
<b>Volts</b>	460		<b>Start Configuration</b>	direct on line	
<b>Full Load Amps</b>	6.7/2.5		<b>Breakdown Torque</b>	58 LB-FT	
<b>R.P.M.</b>	1725/850		<b>Pull-up Torque</b>	34 LB-FT	
<b>Hz</b>	<b>60 Phase</b>	3	<b>Locked-rotor Torque</b>	34 LB-FT	
<b>NEMA Design Code</b>	<b>B KVA Code</b>	K	<b>Starting Current</b>	54.1 A	
<b>Service Factor (S.F.)</b>	1.15		<b>No-load Current</b>	3.5 A	
<b>NEMA Nom. Eff.</b>	<b>0 Power Factor</b>	0	<b>Line-line Res. @ 25°C</b>	3.75 Ω	
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	75°C	
<b>S.F. Amps</b>			<b>Temp. Rise @ S.F. Load</b>	89°C	

**Load Characteristics 460 V, 60 Hz, 5 HP**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor</b>	43	64	75	81	85	86	83
<b>Efficiency</b>	74.1	83	85.3	86	85.1	83.7	85.5
<b>Speed</b>	1785	1771	1756	1741	1721	1701	1729
<b>Line amperes</b>	3.8	4.5	5.5	6.7	8	9.6	7.48

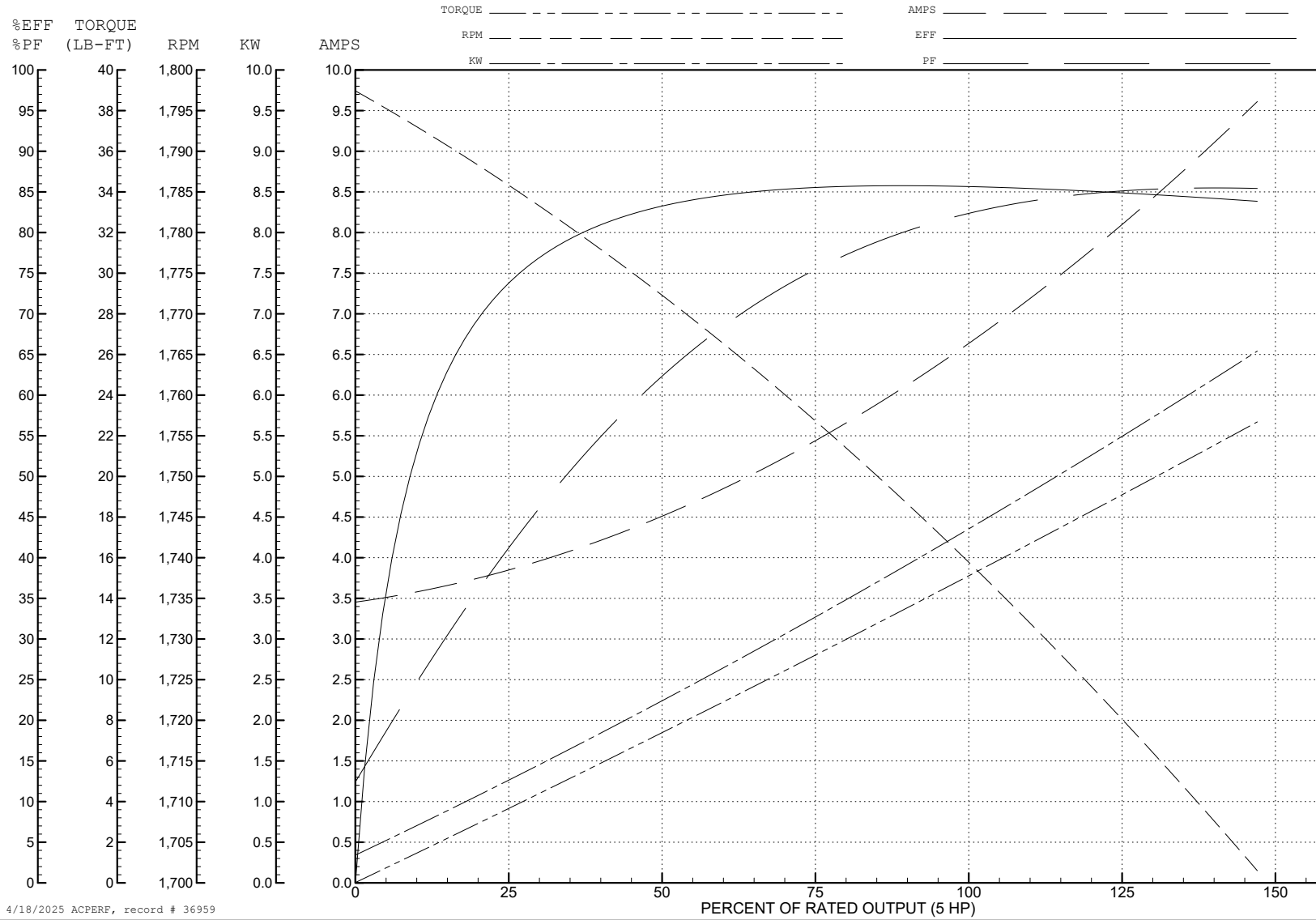
ABB Motors and Mechanical Inc.

WINDING # 36WGW388

5 HP 3 PH 60 HZ 1741 RPM 460 V 3640M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=58 PU=34 LR=34 LRA=54.1



4/18/2025 ACPERF, record # 36959

**AC Induction Motor Performance Data**

Record # 36960

Typical performance - not guaranteed values

<b>Winding: 36GW388-R005</b>		<b>Type: 3640M</b>		<b>Enclosure: TEFC</b>	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: Low Speed Connection</b>		
<b>Rated Output (HP)</b>	5/1.3	<b>Full Load Torque</b>	7.6 LB-FT		
<b>Volts</b>	460	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	6.7/2.5	<b>Breakdown Torque</b>	19.8 LB-FT		
<b>R.P.M.</b>	1725/850	<b>Pull-up Torque</b>	12.5 LB-FT		
<b>Hz</b>	60 <b>Phase</b>	3	<b>Locked-rotor Torque</b>	13 LB-FT	
<b>NEMA Design Code</b>	<b>B KVA Code</b>	K	<b>Starting Current</b>	11 A	
<b>Service Factor (S.F.)</b>		1.15	<b>No-load Current</b>	2 A	
<b>NEMA Nom. Eff.</b>	<b>0 Power Factor</b>	0	<b>Line-line Res. @ 25°C</b>	15 Ω	
<b>Rating - Duty</b>		40C AMB-CONT	<b>Temp. Rise @ Rated Load</b>	64°C	
<b>S.F. Amps</b>			<b>Temp. Rise @ S.F. Load</b>	74°C	

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

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor</b>	28	41	54	65	69	73	67
<b>Efficiency</b>	52	65.7	70.8	72.3	72.1	70.8	72.2
<b>Speed</b>	890	881	871	862	847	834	853
<b>Line amperes</b>	2.1	2.2	2.3	2.5	2.9	3.3	2.74



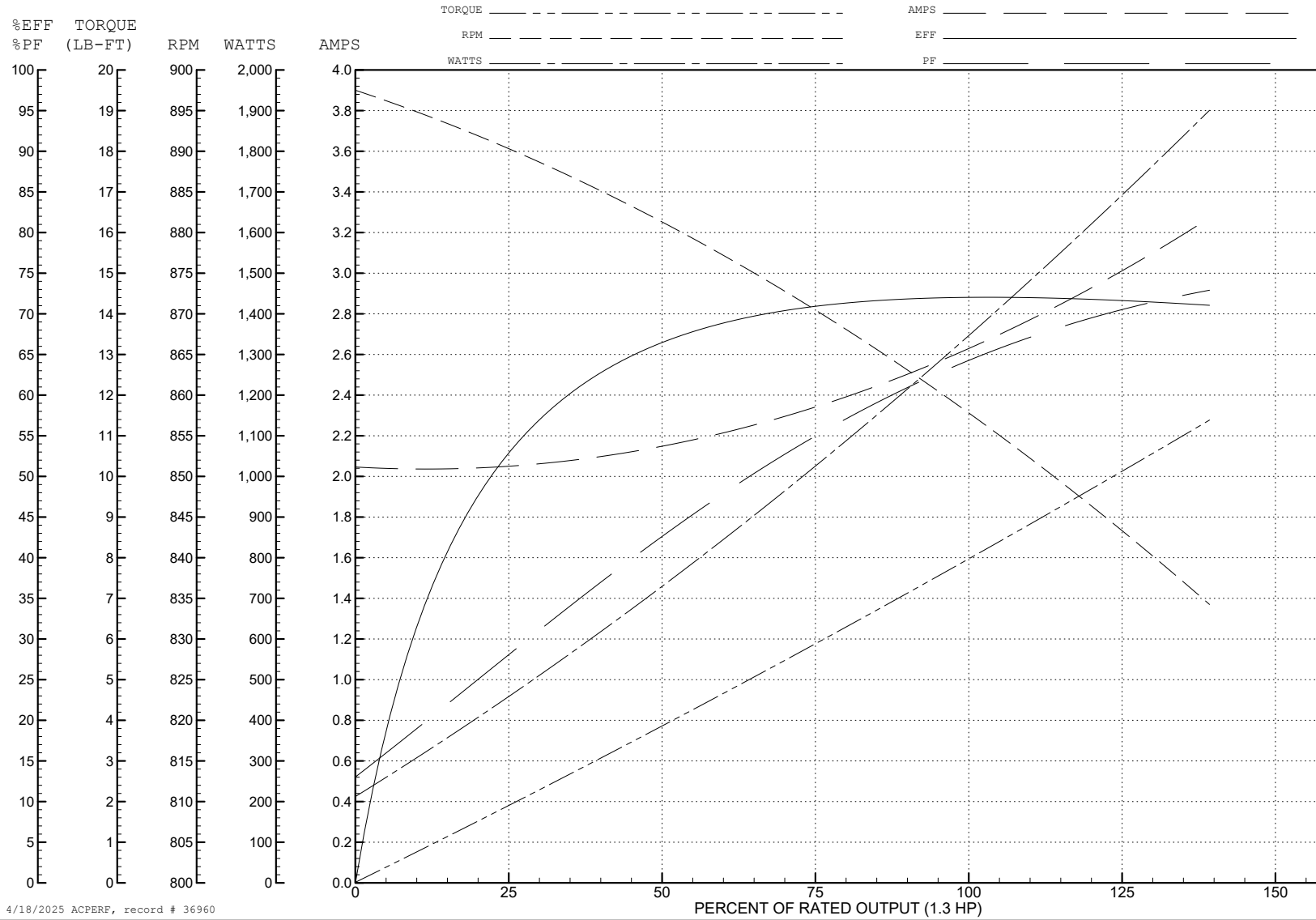
ABB Motors and Mechanical Inc.

WINDING # 36WGW388

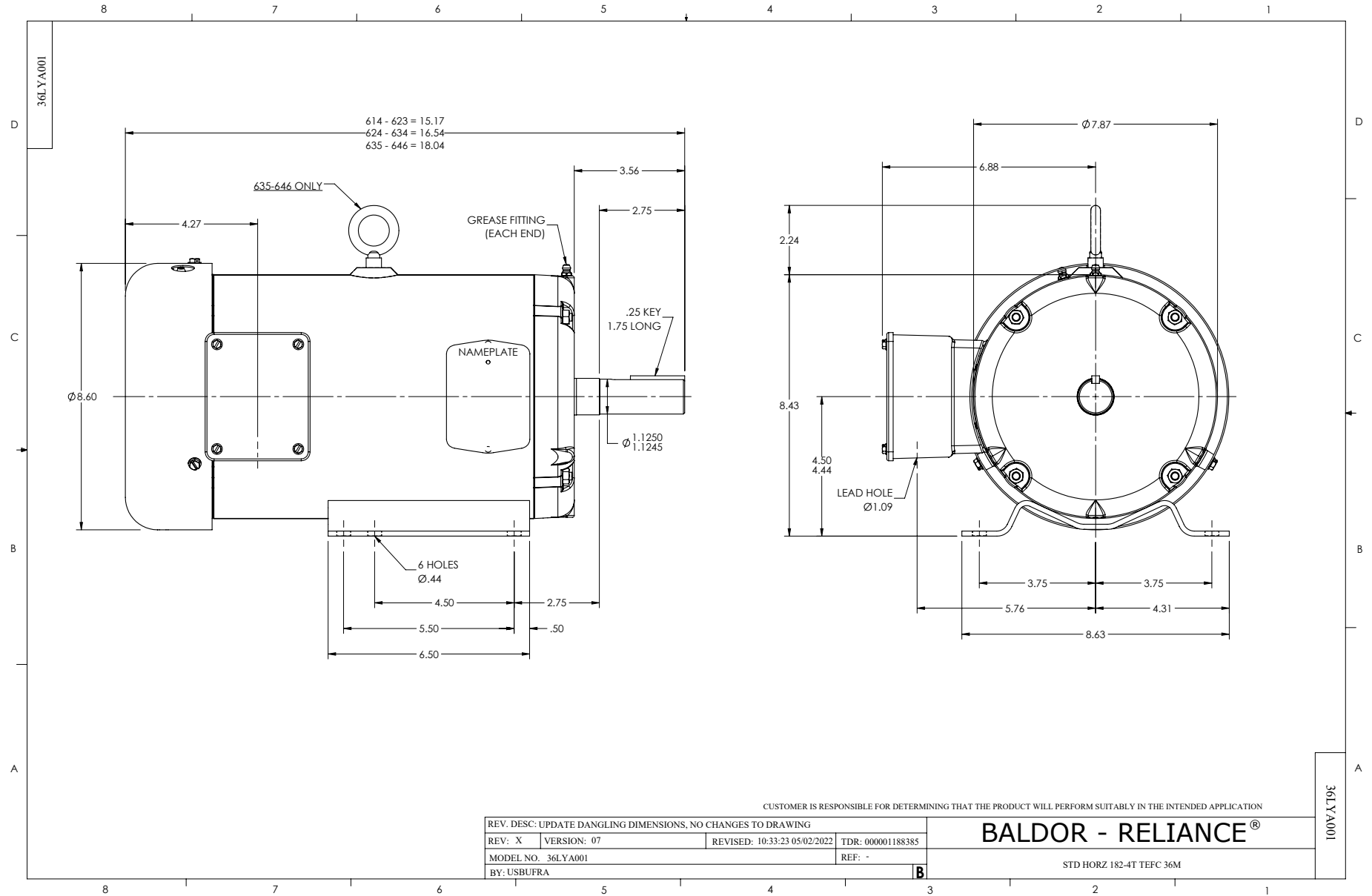
1.3 HP 3 PH 60 HZ 862 RPM 460 V 3640M

Typical performance - not guaranteed values.

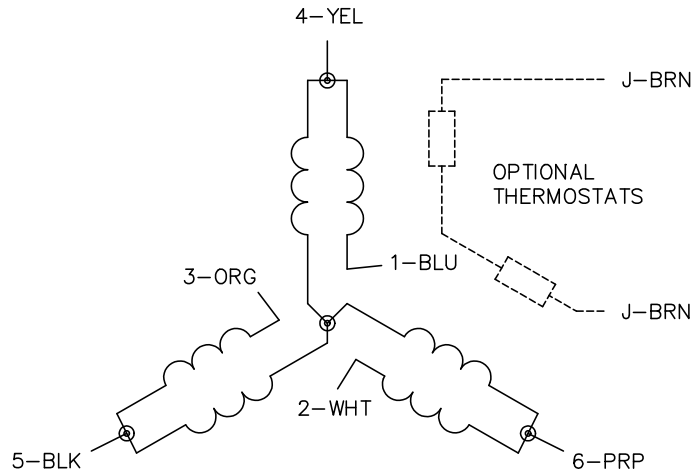
TORQUES (LB-FT): PO=19.8 PU=12.5 LR=13 LRA=11



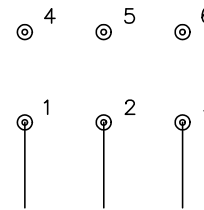
4/18/2025 ACPERF, record # 36960



CD0032

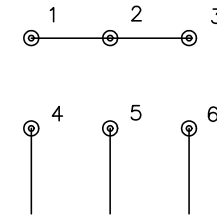


LOW SPEED  
(1Y)



LINE

HIGH SPEED  
(2Y)



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 BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0032

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/22/99 8:27	TDR: 0171435
CD0032		FILE: AAA00005145	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, SV, 6 LEADS, 2-SPEED 1-WINDING VARIABLE TORQUE