

**BALDOR • RELIANCE**

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# Customer information packet

## GNEM3154T-G

1.5/1.1KWHP, 1755//1445RPM, 3PH, 60//50HZ, 1

Class - None

Division - Not Applicable

## Specifications

Enclosure	OPSB
Frame	145T
Frame Material	Steel
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ 1.500 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	190.0 V @ 50 HZ 208.0 V @ 60 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ 460.0 V @ 60 HZ
Agency Approvals	CE WEEE UKCA CURUSEEV IE3 NEMA PREMIUM
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	5.400 A @ 190.0 V 4.600 A @ 230.0 V 4.600 A @ 208.0 V 2.700 A @ 380.0 V

## Part detail

Revision	D
Type	AC
Mech. spec.	35Z069
Base	
Status	PRD/A
Elec. spec.	35WGZ801
Layout	35LYZ069
Eff. date	09-10-2024
CD Diagram	CD0005
Poles	04
Leads	9#18 Y
Proprietary	False
Created date	08-15-2023

	2.300 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.3 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3528M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.13 IN
Power Factor	80
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger

<b>Speed</b>	1445 rpm 1755 rpm
<b>Speed Code</b>	Single Speed
<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>NP4304L</b>									
<b>CAT.NO.</b>	GNEM3154T-G								
<b>SPEC.</b>	35Z069Z801G1								
<b>HP</b>	1.5/1.1KW				<b>PH</b>	3			
<b>VOLTS</b>	208-230/460//190/380								
<b>AMPS</b>	4.6/2.3//5.4/2.7								
<b>R.P.M. (1/MIN)</b>	1755//1445				<b>WT.</b>	19KG	<b>KG</b>		
<b>FRAME</b>	145T	<b>HZ</b>	60//50		<b>I.P.</b>	22			
<b>SER.F.</b>	1.15	<b>CODE</b>	K	<b>DES.</b>	B	<b>CLASS</b>	H		
<b>NOM.EFF.</b>	86.5//85.3		<b>% (100%)</b>						
<b>P.F.</b>	80	IC01, 10:1 VT							
<b>RATING</b>	40C AMB-S1 CONT			<b>CC</b>					
<b>DE</b>	6205		<b>ODE</b>	6203					
<b>ENCL</b>	<b>OPSB</b>	<b>SN</b>							
	SFA 5.2-5/2.5//6/3								
	IE3-50HZ-86.6(75%),86.0(50%)								
	IE3-60HZ-86.9(75%),85.1(50%)								

**AC Induction Motor Performance Data**

Record # 102727

Preliminary Data Sheet

<b>Winding:</b> 35WGZ801-R043		<b>Type:</b> 3528M		<b>Enclosure:</b> OPEN	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	1.5		<b>Full Load Torque</b>	4.51 LB-FT	
<b>Volts</b>	208-230/460//190/380		<b>Start Configuration</b>	direct on line	
<b>Full Load Amps</b>	4.6/2.3//5.4/2.7		<b>Breakdown Torque</b>	21.49 LB-FT	
<b>R.P.M.</b>	1755//1445		<b>Pull-up Torque</b>	14.77 LB-FT	
<b>Hz</b>	60//50	<b>Phase</b>	3	<b>Locked-rotor Torque</b>	18.15 LB-FT
<b>NEMA Design Code</b>	<b>B KVA Code</b>		K	<b>Starting Current</b>	20.62 A
<b>Service Factor (S.F.)</b>			1.15	<b>No-load Current</b>	1.45 A
<b>NEMA Nom. Eff.</b>	86.5	<b>Power Factor</b>	80	<b>Line-line Res. @ 25°C</b>	9.85 Ω
<b>Rating - Duty</b>	40C AMB-CONT			<b>Temp. Rise @ Rated Load</b>	41°C
<b>S.F. Amps</b>	5.2-5/2.5//6/3			<b>Temp. Rise @ S.F. Load</b>	48°C
				<b>Locked-rotor Power Factor</b>	60.6
				<b>Rotor inertia</b>	0.188 lb-ft <sup>2</sup>

**Load Characteristics 460 V, 60 Hz, 1.5 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>	32	50	63	72	78	82	76
<b>Efficiency</b>	75.2	84.1	86.3	86.7	86.2	85	86.4
<b>Speed</b>	1788	1777	1766	1754	1741	1727	1746
<b>Line amperes</b>	1.52	1.69	1.95	2.26	2.63	3.05	2.48

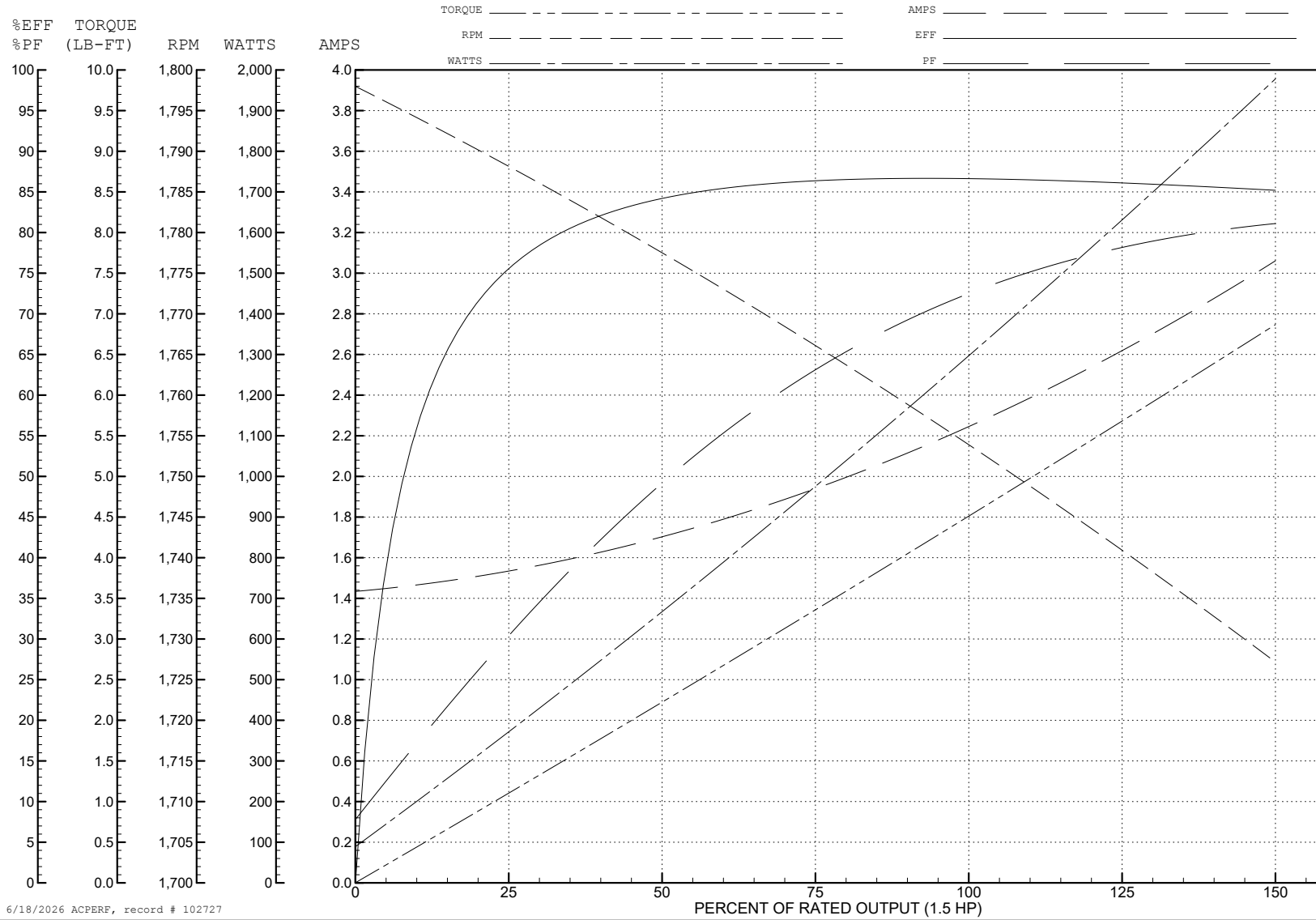
ABB Motors and Mechanical Inc.

WINDING # 35WGZ801

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1754 RPM 460 V 3528M

TORQUES (LB-FT): PO=21.49 PU=14.77 LR=18.15 LRA=20.62



6/18/2026 ACPERF, record # 102727

**AC Induction Motor Performance Data**

Record # 102728

Typical performance - not guaranteed values

Winding: 35WGZ801-R043		Type: 3528M	Enclosure: OPEN	
<b>Nameplate Data</b>			<b>380 V, 50 Hz: High Voltage Connection</b>	
Rated Output (HP)	1.5	Full Load Torque	5.45 LB-FT	
Volts	208-230/460//190/380	Start Configuration	direct on line	
Full Load Amps	4.6/2.3//5.4/2.7	Breakdown Torque	20.8 LB-FT	
R.P.M.	1755//1445	Pull-up Torque	16.9 LB-FT	
Hz	60//50 Phase	Locked-rotor Torque	18.1 LB-FT	
NEMA Design Code	B KVA Code	Starting Current	19 A	
Service Factor (S.F.)	1.15	No-load Current	1.64 A	
NEMA Nom. Eff.	86.5 Power Factor	Line-line Res. @ 25°C	9.85 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	57°C	
S.F. Amps	5.2-5/2.5//6/3	Temp. Rise @ S.F. Load	70°C	
		Locked-rotor Power Factor	66.2	
		Rotor inertia	0.188 lb-ft <sup>2</sup>	

**Load Characteristics 380 V, 50 Hz, 1.5 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	53	67	75	81	84	79
Efficiency	76.1	83.8	85.5	85.1	83.8	81.8	84.3
Speed	1488	1475	1460	1445	1428	1409	1435
Line amperes	1.71	1.92	2.24	2.66	3.14	3.71	2.95

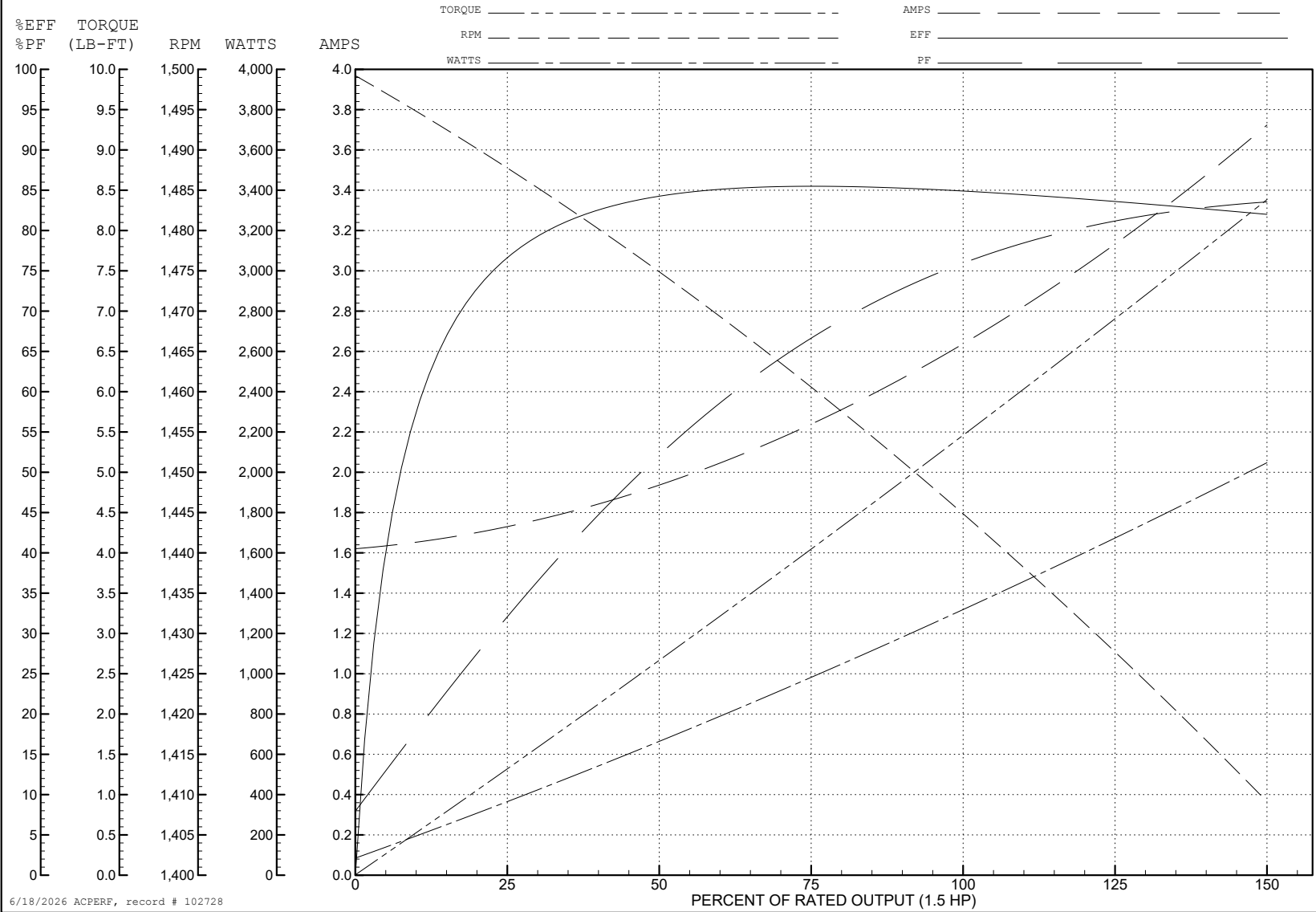
ABB Motors and Mechanical Inc.

WINDING # 35WGZ801

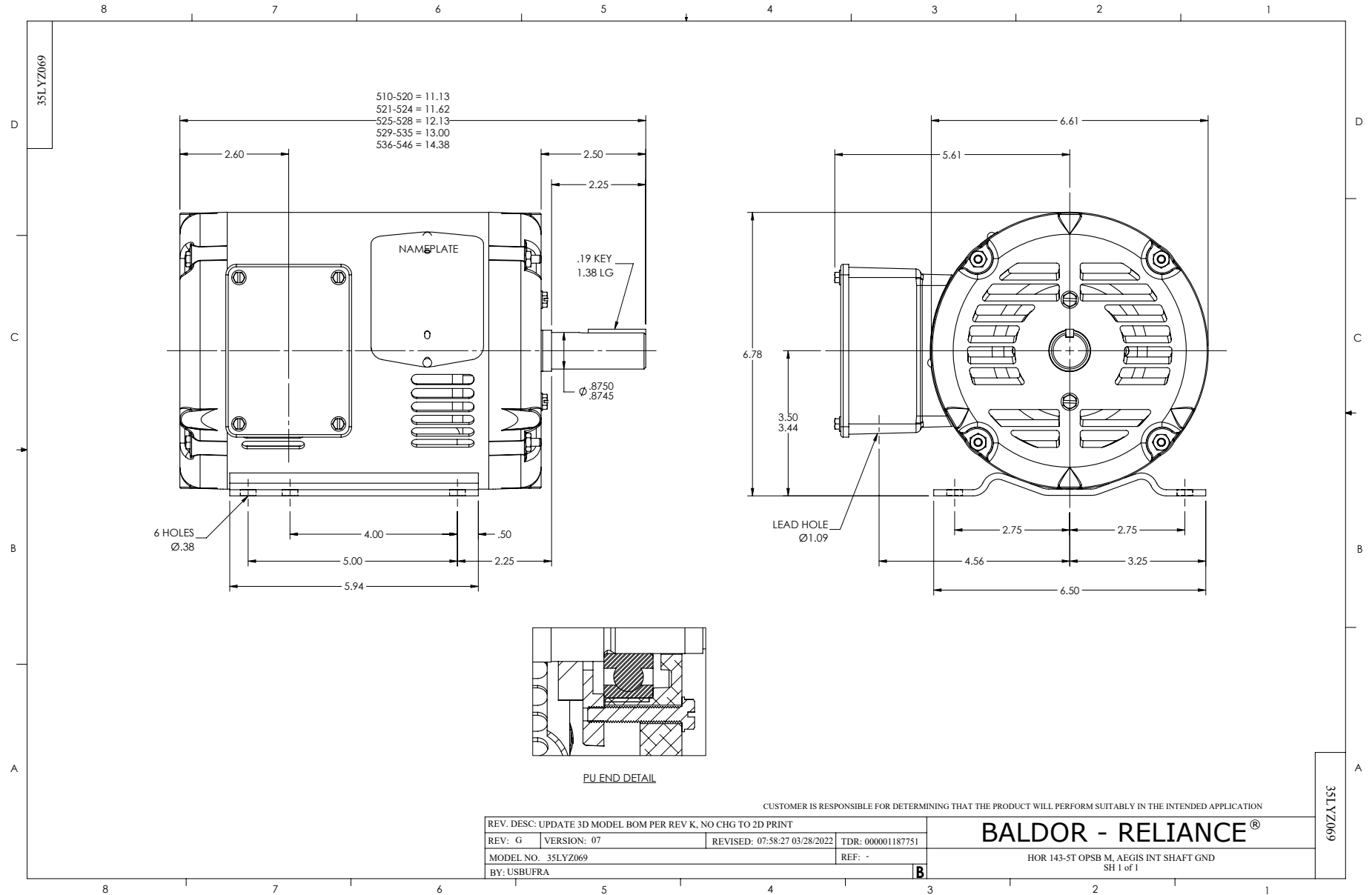
Typical performance - not guaranteed values.

1.5 HP 3 PH 50 HZ 1445 RPM 380 V 3528M

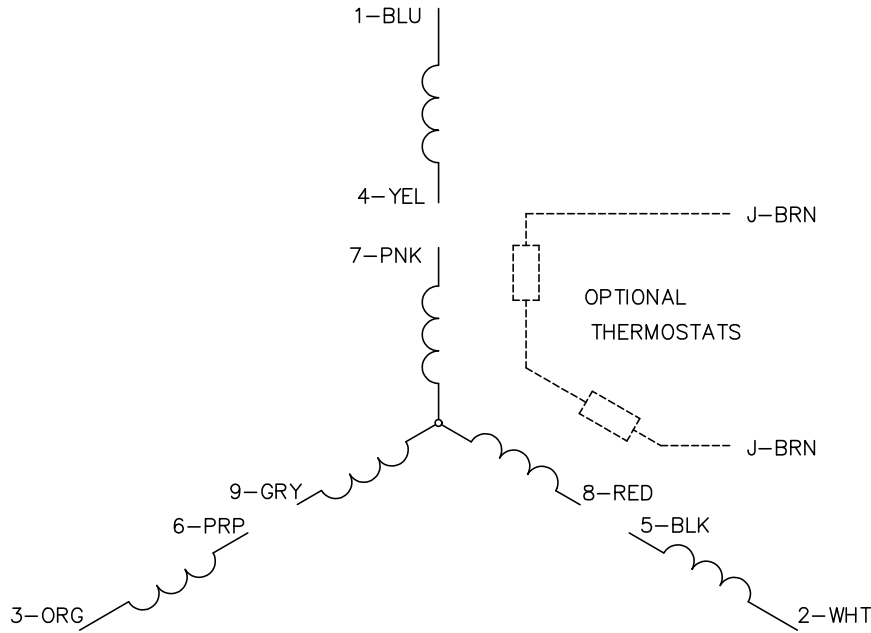
TORQUES (LB-FT): PO=20.8 PU=16.9 LR=18.1 LRA=19



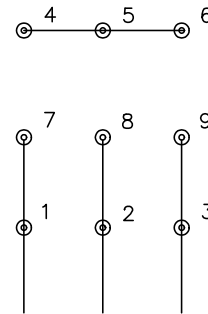
6/18/2026 ACPERF, record # 102728



CD0005

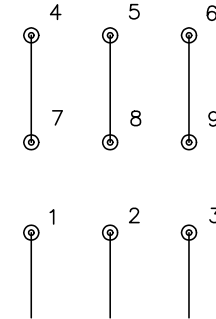


LOW VOLTAGE (2Y)



LINE

HIGH VOLTAGE (1Y)



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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS