

**BALDOR • RELIANCE**

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# Customer information packet

## GNEM2513T-G

15HP//11KW, 1770//1470 1/MINRPM, 3PH, 60//5

Class - None

Division - Not Applicable

## Specifications

Enclosure	OPSB
Frame	254T
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	15.000 HP @ 60 HZ 11.000 KW @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ 190.0 V @ 50 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ 460.0 V @ 60 HZ
Agency Approvals	WEEE UKCA NEMA_PREMIUM NEMA PREMIUM IE3 CURUS CE
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	44.000 A @ 190.0 V 40.000 A @ 208.0 V 38.000 A @ 230.0 V

## Part detail

Revision	H
Type	AC
Mech. spec.	39E366
Base	
Status	PRD/A
Elec. spec.	39WGX952
Layout	39LYE366
Eff. date	12-09-2024
CD Diagram	CD0180
Poles	04
Leads	9#10
Proprietary	False
Created date	04-12-2023

	22.000 A @ 380.0 V
	19.000 A @ 460.0 V
<b>Design Code</b>	A
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	93.0 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Front Shaft Indicator</b>	None
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	19.0 a
<b>Insulation Class</b>	H
<b>Inverter Code</b>	Inverter Ready
<b>KVA Code</b>	K
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Quantity/Wire Size</b>	9 @ 10 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3948M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	23.19 IN
<b>Power Factor</b>	81
<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>RoHS Status</b>	ROHS COMPLIANT
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	1.625 IN
<b>Shaft Ground Indicator</b>	Shaft Grounding
<b>Shaft Rotation</b>	Reversible

<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1470 rpm 1770 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

## NP4304L

<b>CAT.NO.</b>	GNEM2513T-G						
<b>SPEC.</b>	39E366X952G4						
<b>HP</b>	15HP//11KW				<b>PH</b>	3	
<b>VOLTS</b>	208-230/460//190/380						
<b>AMPS</b>	40-38/19//44/22						
<b>R.P.M. (1/MIN)</b>	1770//1470				<b>WT.</b>	113KG	<b>KG</b>
<b>FRAME</b>	254T	<b>HZ</b>	60//50		<b>I.P.</b>	22	
<b>SER.F.</b>	1.15	<b>CODE</b>	K	<b>DES.</b>	A	<b>CLASS</b>	H
<b>NOM.EFF.</b>	93//91.5		<b>% (100%)</b>				
<b>P.F.</b>	81	IC01, 10:1 VT					
<b>RATING</b>	40C AMB-CONT			<b>CC</b>	010A		
<b>DE</b>	6309	<b>ODE</b>	6208				
<b>ENCL</b>	OPSB	<b>SN</b>					
	IE3-50HZ 93.1(75%),92.9(50%)						
	IE3-60HZ 93.0(75%),92.0 (50%)						
	SFA 44-42/21//50/25						

**AC Induction Motor Performance Data**

Record # 102553

Typical performance - not guaranteed values

<b>Winding:</b> 39WGX952-R009		<b>Type:</b> 3948M		<b>Enclosure:</b> OPSB	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	15HP//11KW	<b>Full Load Torque</b>	44.39 LB-FT		
<b>Volts</b>	208-230/460//190/380	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	40-38/19//44/22	<b>Breakdown Torque</b>	176 LB-FT		
<b>R.P.M.</b>	1770//1470	<b>Pull-up Torque</b>	94.8 LB-FT		
<b>Hz</b>	60//50 <b>Phase</b>	3	<b>Locked-rotor Torque</b>	106 LB-FT	
<b>NEMA Design Code</b>	A <b>KVA Code</b>	K	<b>Starting Current</b>	154 A	
<b>Service Factor (S.F.)</b>		1.15	<b>No-load Current</b>	9.37 A	
<b>NEMA Nom. Eff.</b>	93 <b>Power Factor</b>	81	<b>Line-line Res. @ 25°C</b>	0.48293 Ω	
<b>Rating - Duty</b>		40C AMB-CONT	<b>Temp. Rise @ Rated Load</b>	25°C	
<b>S.F. Amps</b>		44-42/21//50/25	<b>Temp. Rise @ S.F. Load</b>	30°C	
			<b>Locked-rotor Power Factor</b>	33.2	
			<b>Rotor inertia</b>	2.1 lb-ft <sup>2</sup>	

**Load Characteristics 460 V, 60 Hz, 15 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>	39	61	73	80	83	85	82
<b>Efficiency</b>	87.3	92	93	93.4	93.1	92.5	93.2
<b>Speed</b>	1794.8	1789.9	1784.6	1778.8	1772.3	1765.4	1775
<b>Line amperes</b>	10.4	12.5	15.5	18.9	22.6	26.8	21.1

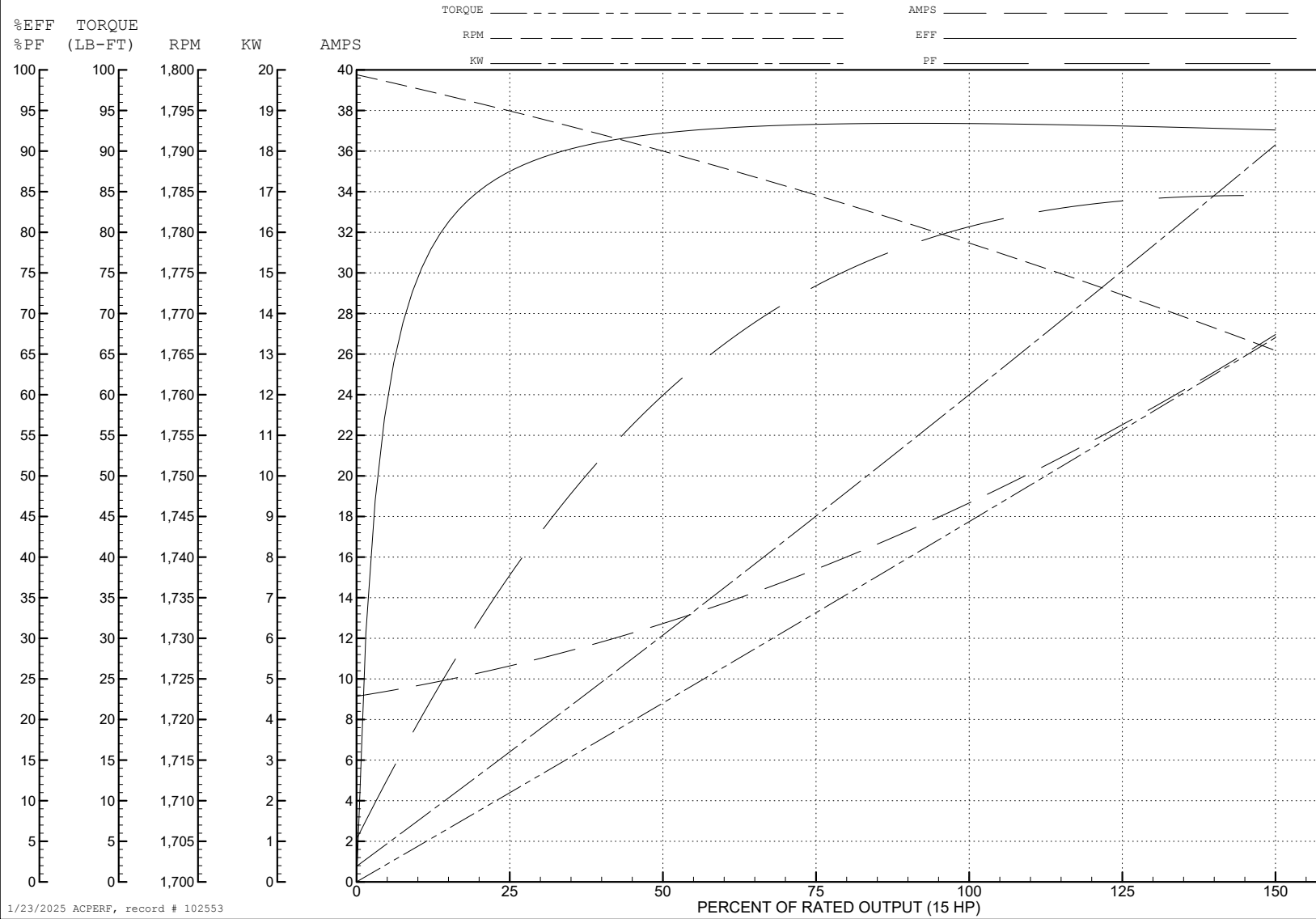
ABB Motors and Mechanical Inc.

WINDING # 39WGx952

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1778.8 RPM 460 V 3948M

TORQUES (LB-FT): PO=176 PU=94.8 LR=106 LRA=154



1/23/2025 ACPERF, record # 102553

**AC Induction Motor Performance Data**

Record # 102554

Typical performance - not guaranteed values

<b>Winding: 39WGX952-R009</b>		<b>Type: 3948M</b>		<b>Enclosure: OPSB</b>	
<b>Nameplate Data</b>			<b>380 V, 50 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	15HP//11KW		<b>Full Load Torque</b>	53.67 LB-FT	
<b>Volts</b>	208-230/460//190/380		<b>Start Configuration</b>	direct on line	
<b>Full Load Amps</b>	40-38/19//44/22		<b>Breakdown Torque</b>	174 LB-FT	
<b>R.P.M.</b>	1770//1470		<b>Pull-up Torque</b>	92.3 LB-FT	
<b>Hz</b>	60//50	<b>Phase</b>	3	<b>Locked-rotor Torque</b>	103 LB-FT
<b>NEMA Design Code</b>	A	<b>KVA Code</b>	K	<b>Starting Current</b>	150 A
<b>Service Factor (S.F.)</b>	1.15		<b>No-load Current</b>	9.12 A	
<b>NEMA Nom. Eff.</b>	93	<b>Power Factor</b>	81	<b>Line-line Res. @ 25°C</b>	0.47956 Ω
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	34°C	
<b>S.F. Amps</b>	44-42/21//50/25		<b>Temp. Rise @ S.F. Load</b>	39°C	
			<b>Locked-rotor Power Factor</b>	36.7	
			<b>Rotor inertia</b>	2.1 lb-ft <sup>2</sup>	

**Load Characteristics 380 V, 50 Hz, 15 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>	45	68	79	83	85	86	84
<b>Efficiency</b>	89.5	92.8	93.1	92.5	92	91.6	92.2
<b>Speed</b>	1493.4	1486.4	1478.9	1470.8	1465.3	1461.5	1468
<b>Line amperes</b>	10.5	13.5	17.5	22	25	27.1	23.8



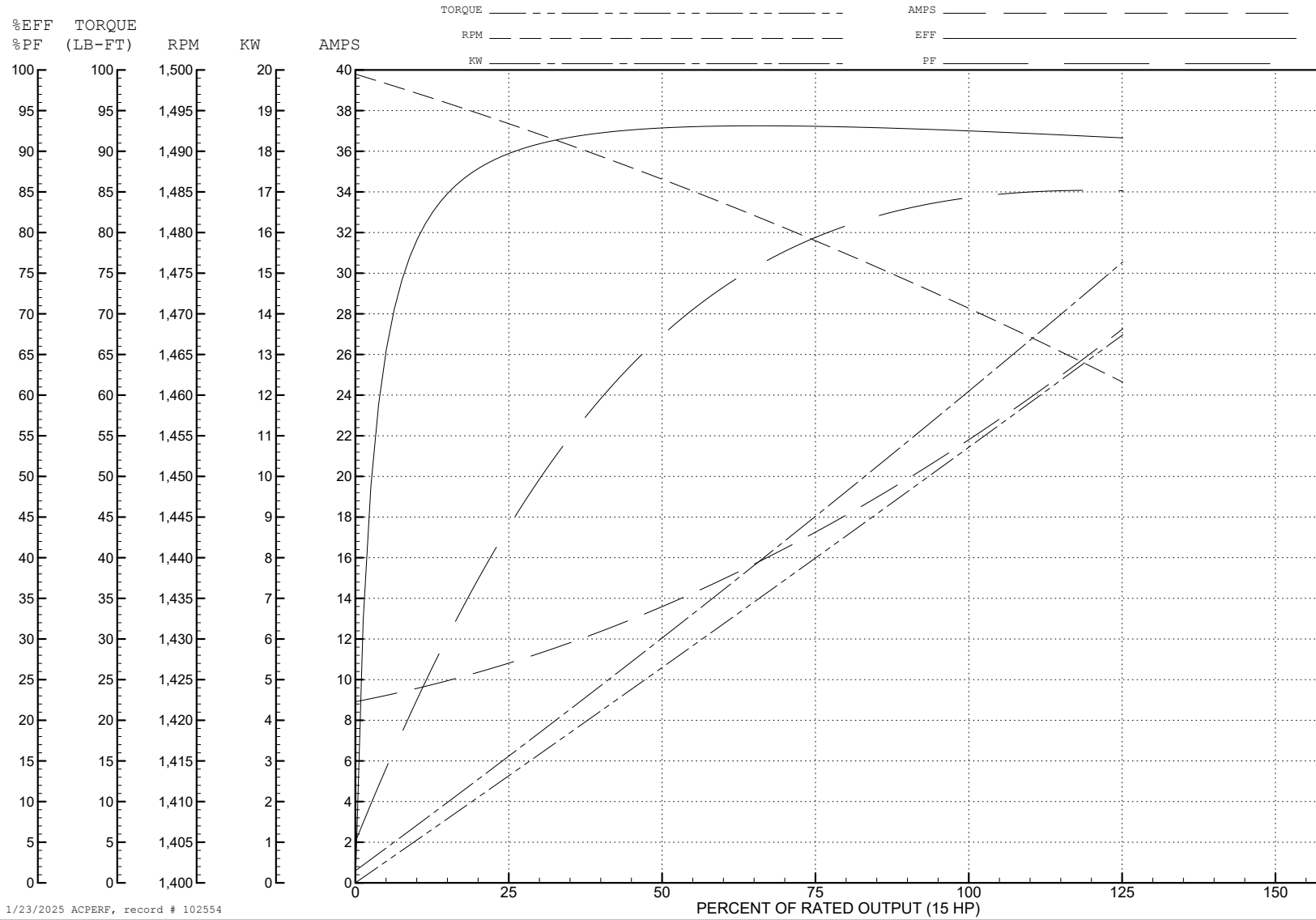
ABB Motors and Mechanical Inc.

WINDING # 39WGX952

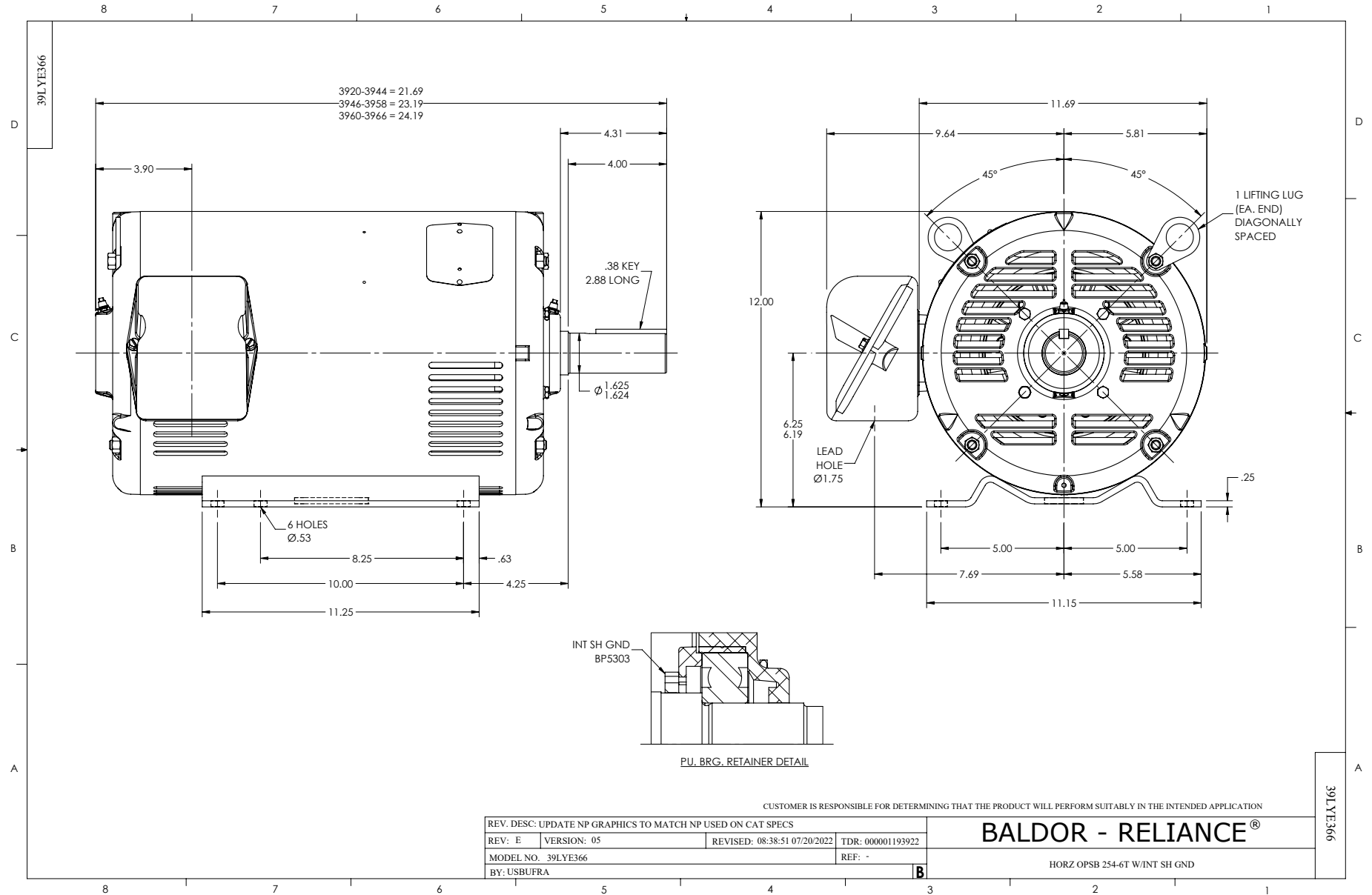
Typical performance - not guaranteed values.

15 HP 3 PH 50 HZ 1470.8 RPM 380 V 3948M

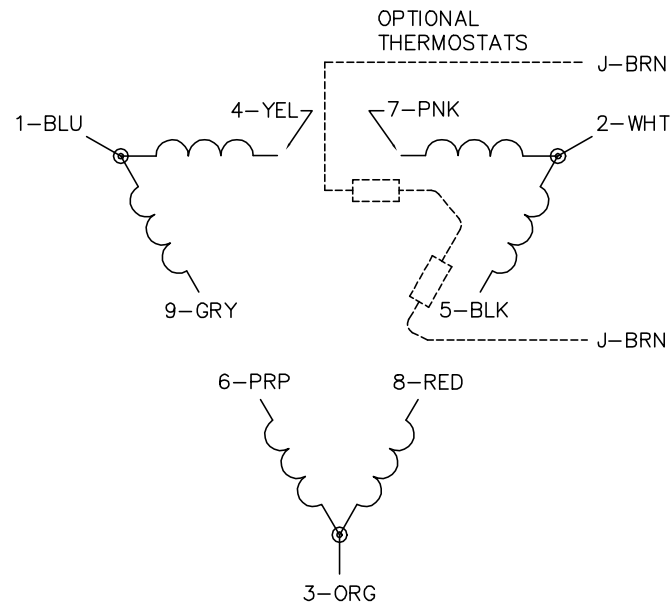
TORQUES (LB-FT): PO=174 PU=92.3 LR=103 LRA=150



1/23/2025 ACPERF, record # 102554



CD0180



LOW VOLTAGE  
(2D)



HIGH VOLTAGE  
(1D)



**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.

CD0180

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10: 25: 29 02/19/2019	BY: ENBRIRO
MTL: -	© □	

**BALDOR - RELIANCE®**

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1