BALDOR • RELIANCE

Customer information packet

GNEM2513T-G

15HP//11KW, 1770//1470 1/MINRPM, 3PH, 60//5
Class - None
Division - Not Applicable

12/22/2025 5:51:08 PM

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

Shaft Slinger Indicator	No Slinger
Speed	1470 rpm
	1770 rpm
Speed Code	Single Speed
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

NP4304L										
CAT.NO.	GNEM2513T-G									
SPEC.	39E366X952G4									
HP	15HP//11KW				**PH**	3				
VOLTS	208-230/460//190/380									
AMPS	40-38/19//44/22									
R.P.M. (1/MIN)	1770//1470				**WT.**	113KG	**KG**			
FRAME	254T	**HZ**	60//50		**I.P.**	22				
SER.F.	1.15	**CODE**	K	**DES.**	A	**CLASS**	H			
NOM.EFF.	93//91.5	**% (100%)**								
P.F.	81	IC01, 10:1 VT								
RATING	40C AMB-CONT			**CC**	010A					
DE	6309	**ODE**	6208							
ENCL	OPSB	**SN**								
	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

Winding: 39WGX952-R009	**Type:** 3948M	**Enclosure:** OPSB

Nameplate Data			
Rated Output (HP)			15HP//11KW
Volts			208-230/460//190/380
Full Load Amps			40-38/19//44/22
R.P.M.			1770//1470
Hz	60//50	**Phase**	3
NEMA Design Code	A	**KVA Code**	K
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	93	**Power Factor**	81
Rating - Duty			40C AMB-CONT
S.F. Amps			44-42/21//50/25

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	44.39 LB-FT
Start Configuration	direct on line
Breakdown Torque	176 LB-FT
Pull-up Torque	94.8 LB-FT
Locked-rotor Torque	106 LB-FT
Starting Current	154 A
No-load Current	9.37 A
Line-line Res. @ 25ºC	0.48293 Ω
Temp. Rise @ Rated Load	25°C
Temp. Rise @ S.F. Load	30°C
Locked-rotor Power Factor	33.2
Rotor inertia	2.1 lb-ft²

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	39	61	73	80	83	85	82
Efficiency	87.3	92	93	93.4	93.1	92.5	93.2
Speed	1794.8	1789.9	1784.6	1778.8	1772.3	1765.4	1775
Line amperes	10.4	12.5	15.5	18.9	22.6	26.8	21.1

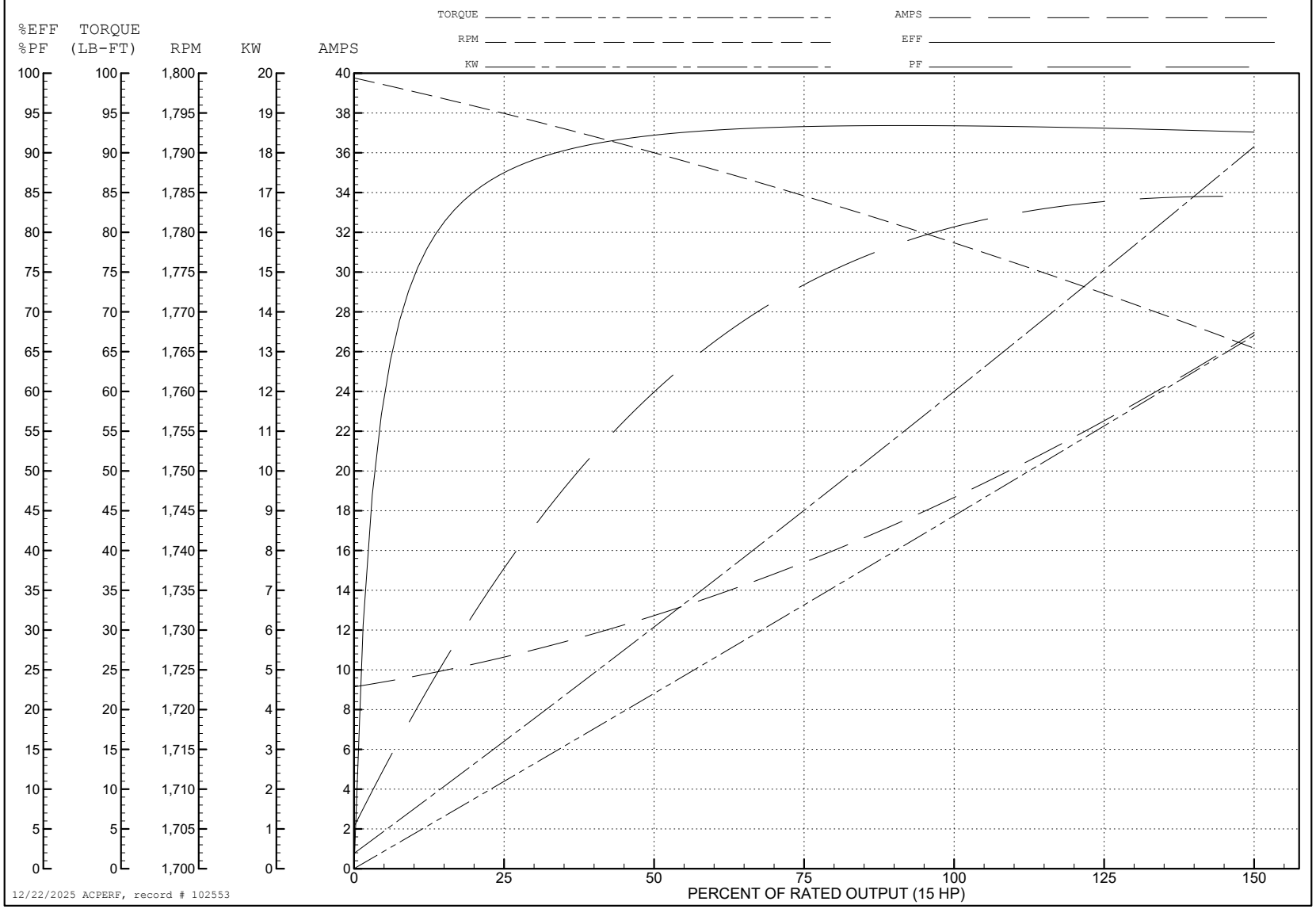
ABB Motors and Mechanical Inc.

WINDING # 39WGX952

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

Typical performance - not guaranteed values.

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



AC Induction Motor Performance Data
Record # 102554
Typical performance - not guaranteed values

Winding: 39WGX952-R009	**Type:** 3948M	**Enclosure:** OPSB

Nameplate Data			
Rated Output (HP)			15HP//11KW
Volts			208-230/460//190/380
Full Load Amps			40-38/19//44/22
R.P.M.			1770//1470
Hz	60//50	**Phase**	3
NEMA Design Code	A	**KVA Code**	K
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	93	**Power Factor**	81
Rating - Duty			40C AMB-CONT
S.F. Amps			44-42/21//50/25

380 V, 50 Hz: High Voltage Connection	
Full Load Torque	53.67 LB-FT
Start Configuration	direct on line
Breakdown Torque	174 LB-FT
Pull-up Torque	92.3 LB-FT
Locked-rotor Torque	103 LB-FT
Starting Current	150 A
No-load Current	9.12 A
Line-line Res. @ 25ºC	0.47956 Ω
Temp. Rise @ Rated Load	34°C
Temp. Rise @ S.F. Load	39°C
Locked-rotor Power Factor	36.7
Rotor inertia	2.1 lb-ft²

Load Characteristics 380 V, 50 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	45	68	79	83	85	86	84
Efficiency	89.5	92.8	93.1	92.5	92	91.6	92.2
Speed	1493.4	1486.4	1478.9	1470.8	1465.3	1461.5	1468
Line amperes	10.5	13.5	17.5	22	25	27.1	23.8

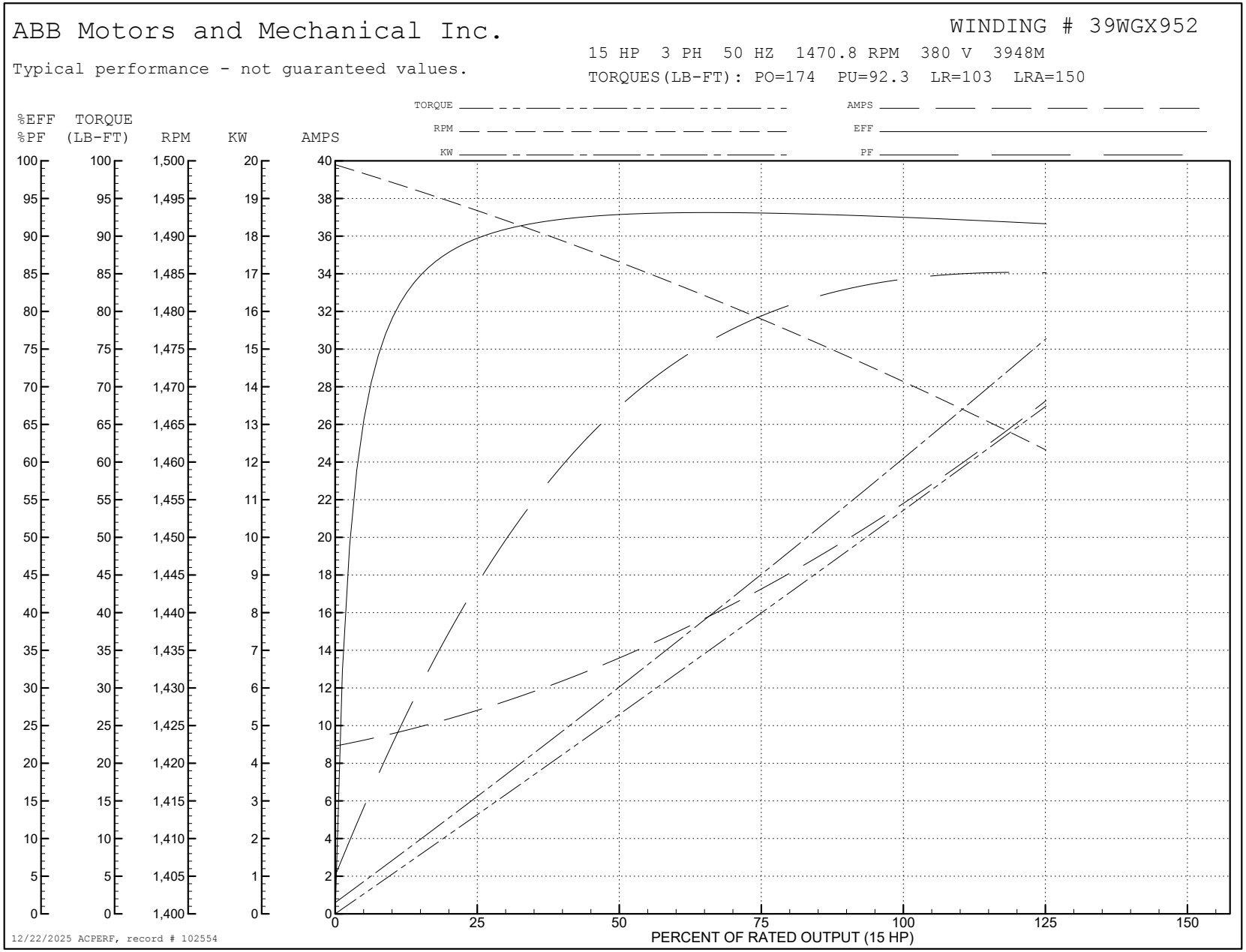
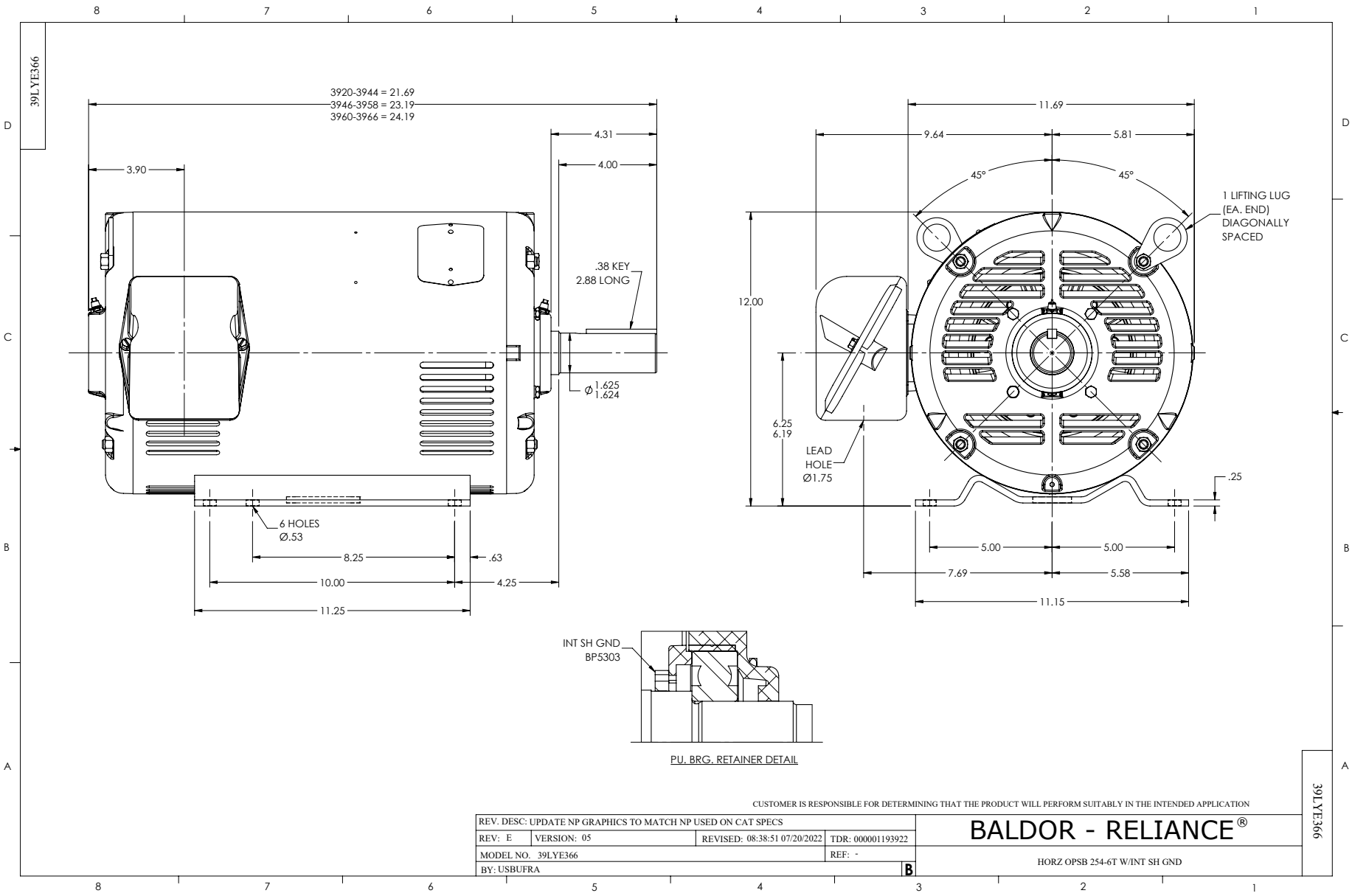
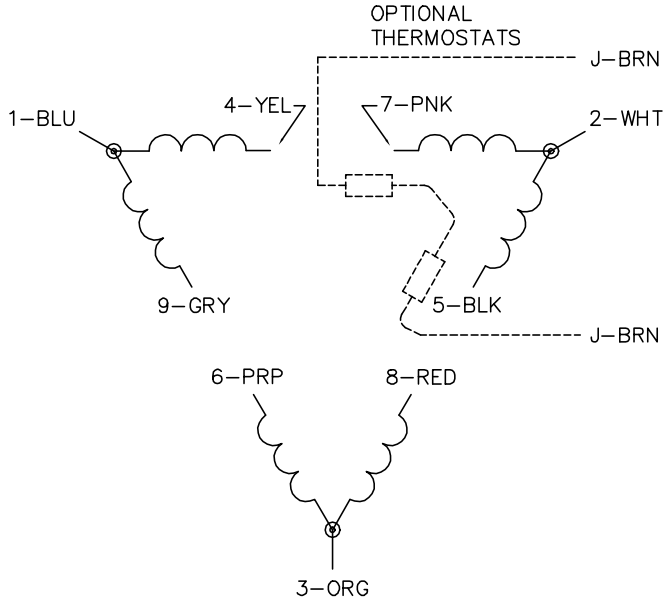
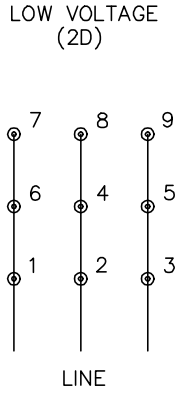


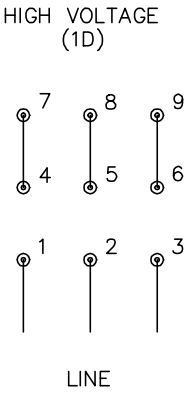
ABB Motors and Mechanical Inc.
WINDING # 39WGX952
Typical performance - not guaranteed values.
15 HP 3 PH 50 HZ 1470.8 RPM 380 V 3948M
TORQUES(LB-FT): PO=174 PU=92.3 LR=103 LRA=150
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (15 HP)
12/22/2025 ACPERF, record # 102554


39LYE366
3920-3944 = 21.69
3946-3958 = 23.19
3960-3966 = 24.19
3.90
4.31
4.00
.38 KEY
2.88 LONG
Ø 1.625
1.624
6 HOLES
Ø.53
8.25
.63
10.00
4.25
11.25
11.69
9.64
5.81
45°
45°
1 LIFTING LUG
(EA. END)
DIAGONALLY
SPACED
12.00
6.25
6.19
LEAD
HOLE
Ø1.75
.25
5.00
5.00
7.69
5.58
11.15
INT SH GND
BP5303
PU. BRG. RETAINER DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE NP GRAPHICS TO MATCH NP USED ON CAT SPECS
REV: E
VERSION: 05
REVISED: 08:38:51 07/20/2022
TDR: 000001193922
MODEL NO. 39LYE366
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
HORZ OPSB 254-6T W/INT SH GND
39LYE366

CD0180







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: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1