BALDOR • RELIANCE

Customer information packet

FPM2534T

30//25HP, 3510//2910RPM, 3PH, 60//50HZ, 284T
Class -
Division - Not Applicable

12/22/2025 6:58:48 PM

Specifications

Enclosure	ODP
Frame	284TS
Frame Material	Steel
Frequency	50.00 Hz
	60.00 Hz
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	25.000 HP @ 50 HZ
	30.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3000 RPM @ 50 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	380.0 V @ 50 HZ
	230.0 V @ 60 HZ
	190.0 V @ 50 HZ
Agency Approvals	CSA EEV
	UL
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	70.000 A @ 230.0 V
	70.000 A @ 190.0 V
	35.000 A @ 460.0 V
	35.000 A @ 380.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated

Part detail

Revision	R
Type	AC
Mech. spec.	39R082
Base	
Status	PRD/A
Elec. spec.	39WGX216
Layout	39LYR082
Eff. date	11-14-2023
CD Diagram	CD0104
Poles	02
Leads	12#12
Proprietary	False
Created date	09-17-2015

Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	35.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	12 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3936M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	22.06 IN
Power Factor	89
Product Family	Fire Pump Motor
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	2910 rpm 3510 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run

Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3454L												
CAT.NO.	FPM2534T			**CUST P/N**				**I.P.**	23			
SPEC.	39R082X216H2			**SER.NO.**				**FRAME**	284TS			
HZ	60	**HP**	30	**RPM**	3510	**HZ**	50	**HP**	25	**RPM**	2910	
VOLTS	230/460			**CODE**	G	**VOLTS**	190/380			**CODE**	F	
AMPS	70/35			**DES**	B	**AMPS**	70/35			**DES**	B	
EFF	91	**SER.F.**	1.15	**PF**	89	**EFF**	90.2	**SER.F.**	1.15	**PF**	89	
RATING	40C AMB-CONT			**DE BRG**	6311			**GREASE**	POLYREX EM			
BLANK				**ODE BRG**	6208			**MTR. WT.**	226			
				CLASS	F	**PH**	3					
				ENCL	ODP	**CC**	010A					
HTR-VOLTS		**HTR-AMPS**		**HTR-WATTS**								

AC Induction Motor Performance Data
Record # 57089
Typical performance - not guaranteed values

Winding: 39WGX216-R005	**Type:** 3936M	**Enclosure:** OPSB

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			30//25	**Full Load Torque**	44.9 LB-FT
Volts			230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			70/35	**Breakdown Torque**	156 LB-FT
R.P.M.			3510//2910	**Pull-up Torque**	47.6 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	67.2 LB-FT
NEMA Design Code	B	**KVA Code**	G	**Starting Current**	214 A
Service Factor (S.F.)			1.15	**No-load Current**	10.3 A
NEMA Nom. Eff.	91	**Power Factor**	89	**Line-line Res. @ 25ºC**	0.393 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	37°C
S.F. Amps				**Temp. Rise @ S.F. Load**	51°C
				Locked-rotor Power Factor	30.2
				Rotor inertia	0.92 LB-FT2

Load Characteristics 460 V, 60 Hz, 30 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	60	80	87	89	90	90	90
Efficiency	89.4	92.2	92.3	91.4	90.2	88.5	90.7
Speed	3578	3556	3533	3508	3481	3450	3492
Line amperes	13.03	19	26.36	34.4	43.2	53.1	39.7

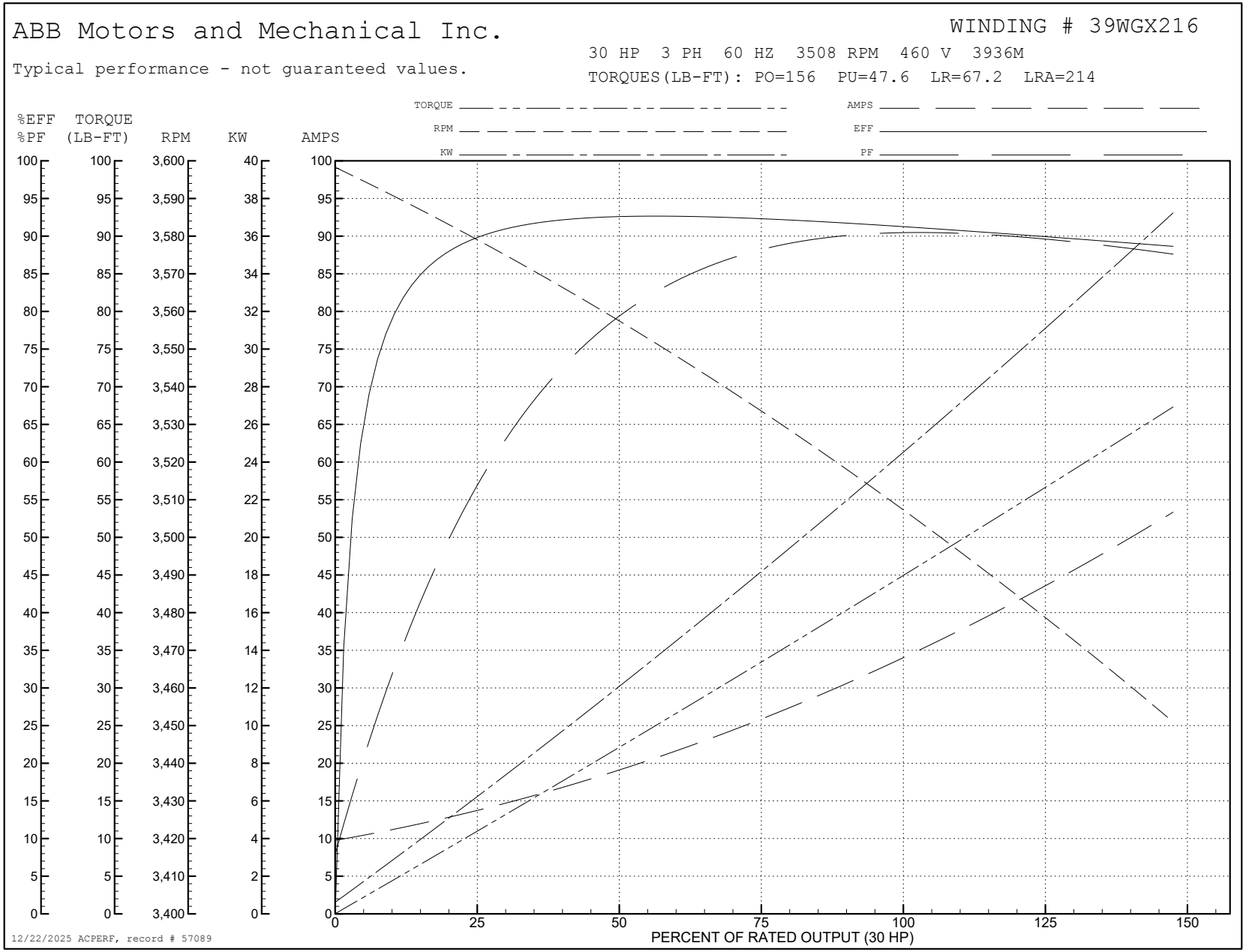


ABB Motors and Mechanical Inc.
WINDING # 39WGX216
30 HP 3 PH 60 HZ 3508 RPM 460 V 3936M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=156 PU=47.6 LR=67.2 LRA=214
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (30 HP)
12/22/2025 ACPERF, record # 57089

AC Induction Motor Performance Data
Record # 57090
Typical performance - not guaranteed values

Winding: 39WGX216-R005	**Type:** 3936M	**Enclosure:** OPSB

Nameplate Data				**380 V, 50 Hz: High Voltage Connection**	
Rated Output (HP)			30//25	**Full Load Torque**	45.2 LB-FT
Volts			230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			70/35	**Breakdown Torque**	149 LB-FT
R.P.M.			3510//2910	**Pull-up Torque**	50.3 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	71 LB-FT
NEMA Design Code	B	**KVA Code**	G	**Starting Current**	208 A
Service Factor (S.F.)			1.15	**No-load Current**	10.1 A
NEMA Nom. Eff.	91	**Power Factor**	89	**Line-line Res. @ 25ºC**	0.379 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	38°C
S.F. Amps				**Temp. Rise @ S.F. Load**	48°C
				Locked-rotor Power Factor	34.2
				Rotor inertia	0.92 LB-FT2

Load Characteristics 380 V, 50 Hz, 25 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	62	82	88	90	90	88	90
Efficiency	91.2	92.9	92.4	90.9	89.3	87.1	90
Speed	2979	2957	2934	2909	2882	2850	2893
Line amperes	12.8	19	26.5	34.8	43.9	54.4	40.3

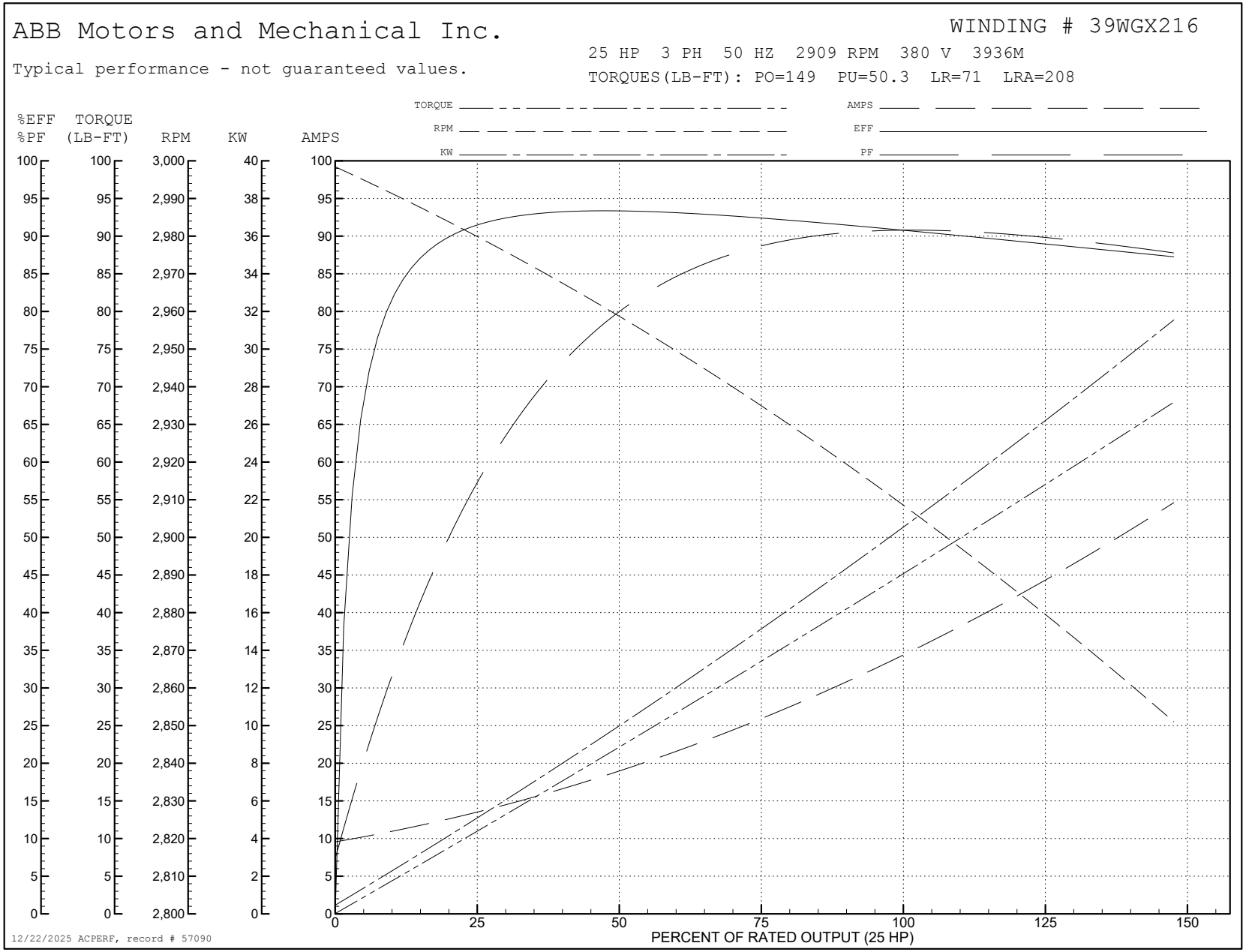
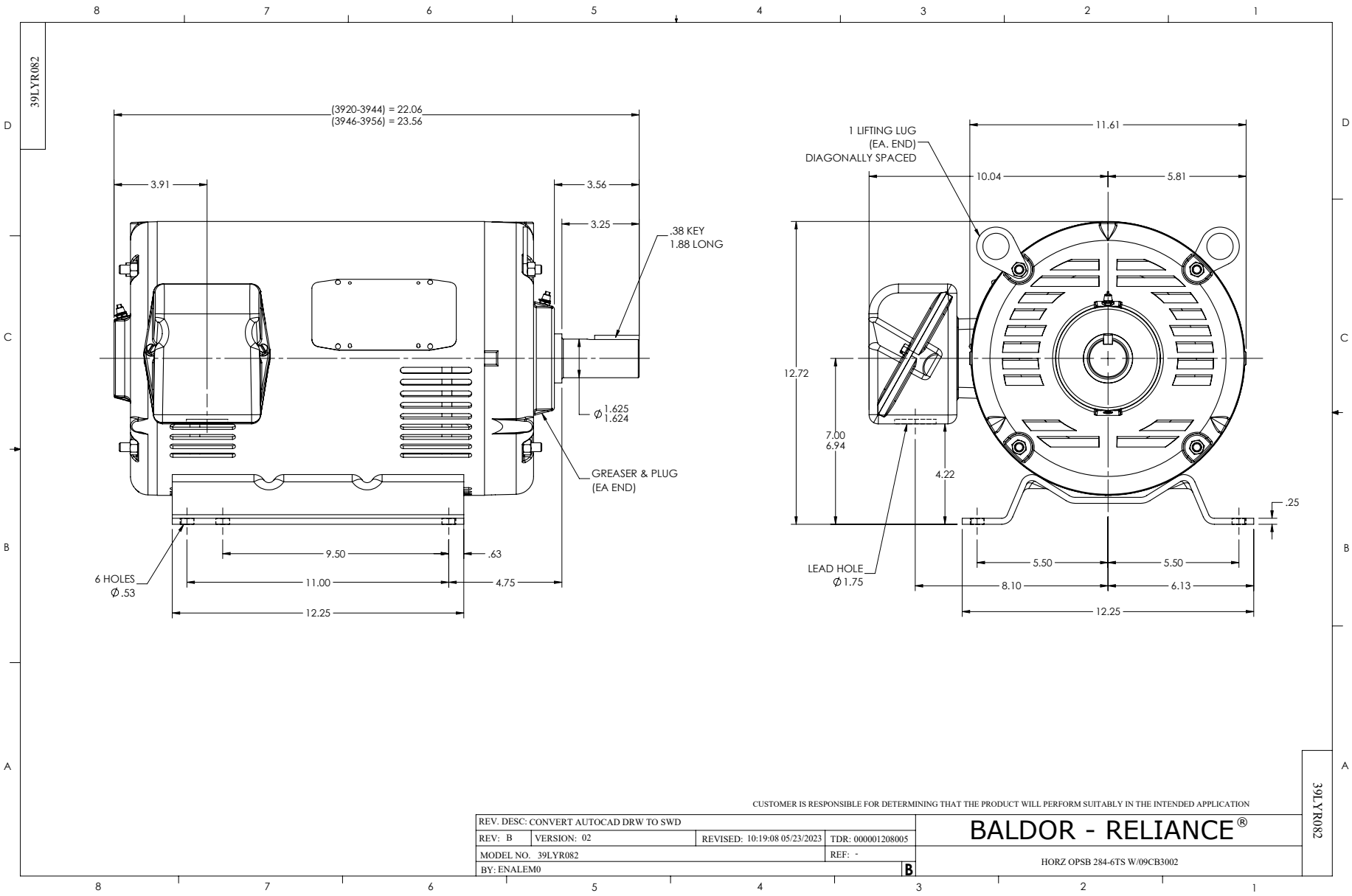
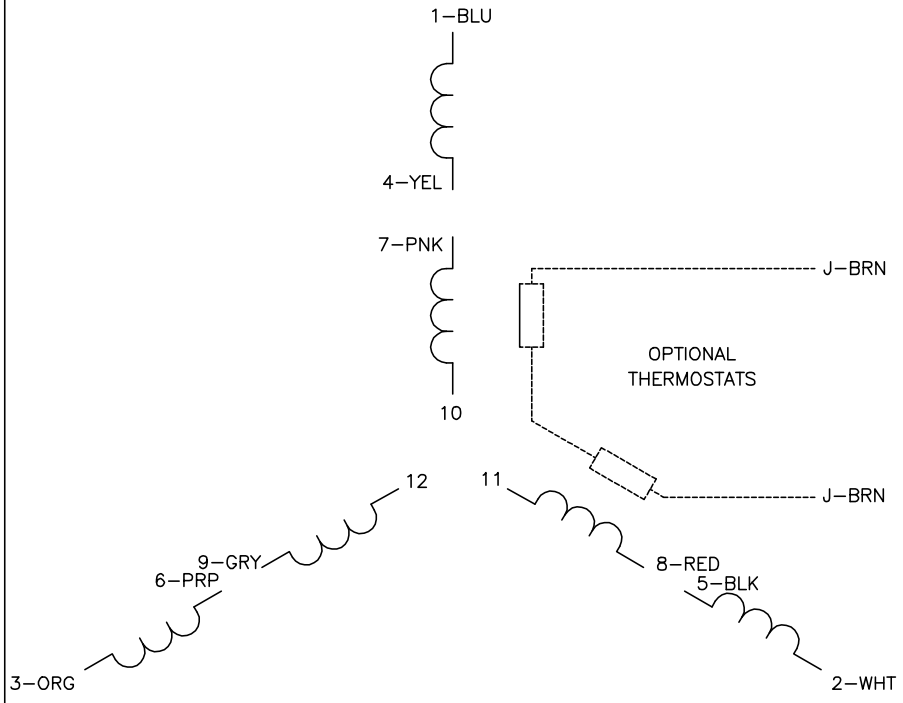
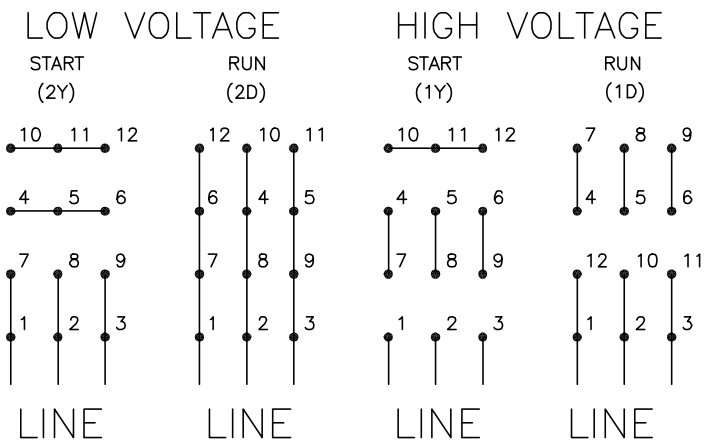


ABB Motors and Mechanical Inc.
WINDING # 39WGX216
Typical performance - not guaranteed values.
25 HP 3 PH 50 HZ 2909 RPM 380 V 3936M
TORQUES(LB-FT): PO=149 PU=50.3 LR=71 LRA=208
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (25 HP)
12/22/2025 ACPERF, record # 57090


39LYR082
(3920-3944) = 22.06
(3946-3956) = 23.56
3.91
3.56
3.25
.38 KEY
1.88 LONG
Ø 1.625
1.624
GREASER & PLUG
(EA END)
6 HOLES
Ø .53
9.50
.63
11.00
4.75
12.25
1 LIFTING LUG
(EA. END)
DIAGONALLY SPACED
11.61
10.04
5.81
12.72
7.00
6.94
4.22
.25
LEAD HOLE
Ø 1.75
5.50
5.50
8.10
6.13
12.25
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD
REV: B
VERSION: 02
REVISED: 10:19:08 05/23/2023
TDR: 000001208005
MODEL NO. 39LYR082
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ OPSB 284-6TS W/09CB3002
39LYR082

CD0104





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.

CD0104

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00008\377	REVISED: 09:02:55 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, DV, 12 LEADS, Y START/D RUN

SH 1 of 1