BALDOR • RELIANCE

Customer information packet

FPM3313T

10//7.5HP, 1760//1460RPM, 3PH, 60//50HZ, 215
Class - None
Division - Not Applicable

12/22/2025 7:02:42 PM

Specifications

Enclosure	OPSB
Frame	215T
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	7.500 HP @ 50 HZ
	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	190.0 V @ 50 HZ
	230.0 V @ 60 HZ
	380.0 V @ 50 HZ
Agency Approvals	UL
	CSA EEV
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	11.700 A @ 380.0 V
	12.700 A @ 460.0 V
	23.400 A @ 190.0 V
	25.400 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %

Part detail

Revision	K
Type	AC
Mech. spec.	37N755
Base	
Status	PRD/A
Elec. spec.	37WGR912
Layout	37LYN755
Eff. date	08-16-2022
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	12-22-2015

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	11.7 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3738M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	17.45 IN
Power Factor	82
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	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1465 rpm
	1760 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

NP3454L													
CAT.NO.	FPM3313T			**CUST P/N**				**I.P.**	23				
SPEC.	37N755R912H1			**SER.NO.**				**FRAME**	215T				
HZ	60	**HP**	10	**RPM**	1760	**HZ**	50	**HP**	7.5	**RPM**	1465		
VOLTS	230/460			**CODE**	H	**VOLTS**	190/380			**CODE**	H		
AMPS	25.4/12.7			**DES**	B	**AMPS**	23.4/11.7			**DES**	B		
EFF	89.5	**SER.F.**	1.15	**PF**	82	**EFF**	89.5	**SER.F.**	1.15	**PF**	81		
RATING	40C AMB-CONT			**DE BRG**	6307	**GREASE**	POLYREX EM						
BLANK				**ODE BRG**	6206	**MTR. WT.**	130						
				CLASS	F	**PH**	3						
				ENCL	OPSB	**CC**	010A						
HTR-VOLTS		**HTR-AMPS**		**HTR-WATTS**									

AC Induction Motor Performance Data
Record # 56055
Typical performance - not guaranteed values

Winding: 37WGR912-R001	**Type:** 3738M	**Enclosure:** OPSB

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			10//7.5	**Full Load Torque**	29.9 LB-FT
Volts			230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			25.4/12.7//23.4/11.7	**Breakdown Torque**	86.5 LB-FT
R.P.M.			1760//1465	**Pull-up Torque**	44.4 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	52.5 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	80.5 A
Service Factor (S.F.)			1.15	**No-load Current**	5.06 A
NEMA Nom. Eff.	89.5	**Power Factor**	82	**Line-line Res. @ 25ºC**	1.2634 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	45°C
S.F. Amps				**Temp. Rise @ S.F. Load**	56°C

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	47	68	77	82	83	84	83
Efficiency	87.5	91	91.1	90.3	88.9	87.2	89.5
Speed	1791.8	1783.2	1773	1762.5	1750.9	1737.4	1756
Line amperes	5.84	7.61	9.99	12.7	15.8	19.2	14.6

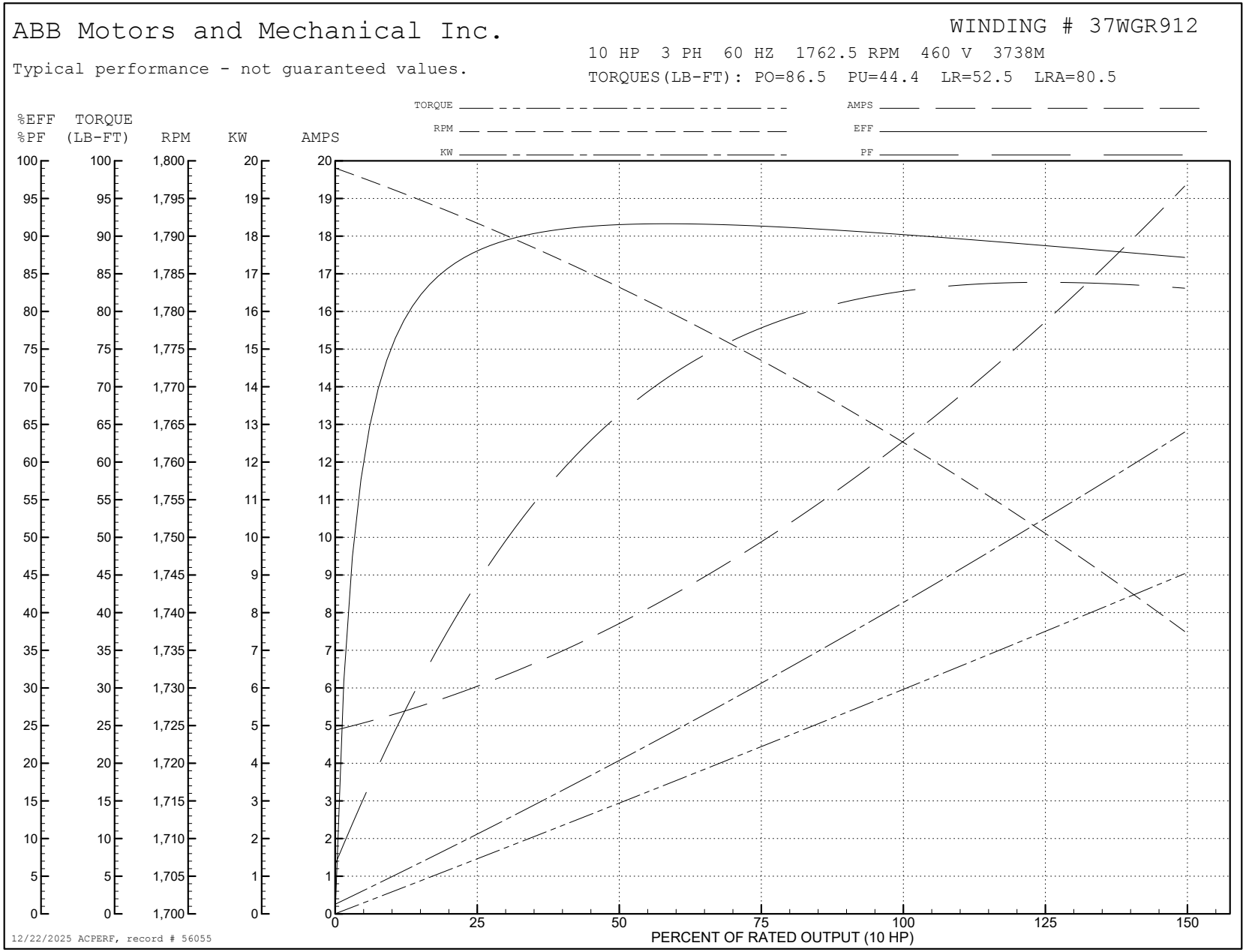


ABB Motors and Mechanical Inc.
WINDING # 37WGR912
Typical performance - not guaranteed values.
10 HP 3 PH 60 HZ 1762.5 RPM 460 V 3738M
TORQUES(LB-FT): PO=86.5 PU=44.4 LR=52.5 LRA=80.5
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (10 HP)
12/22/2025 ACPERF, record # 56055

AC Induction Motor Performance Data
Record # 56073
Typical performance - not guaranteed values

Winding: 37WGR912-R001	**Type:** 3738M	**Enclosure:** OPSB

Nameplate Data				**380 V, 50 Hz: High Voltage Connection**	
Rated Output (HP)			10//7.5	**Full Load Torque**	27 LB-FT
Volts			230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			25.4/12.7//23.4/11.7	**Breakdown Torque**	82.6 LB-FT
R.P.M.			1760//1465	**Pull-up Torque**	45.8 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	53.2 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	75.1 A
Service Factor (S.F.)			1.15	**No-load Current**	4.96 A
NEMA Nom. Eff.	89.5	**Power Factor**	82	**Line-line Res. @ 25ºC**	1.258 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	41°C
S.F. Amps				**Temp. Rise @ S.F. Load**	51°C

Load Characteristics 380 V, 50 Hz, 7.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	44	66	77	81	84	84	83
Efficiency	86.8	90.6	91	90.2	88.9	87	89.4
Speed	1492.8	1485.3	1476.8	1467.6	1457.7	1444.8	1462
Line amperes	5.62	7.15	9.23	11.7	14.3	17.4	13.3

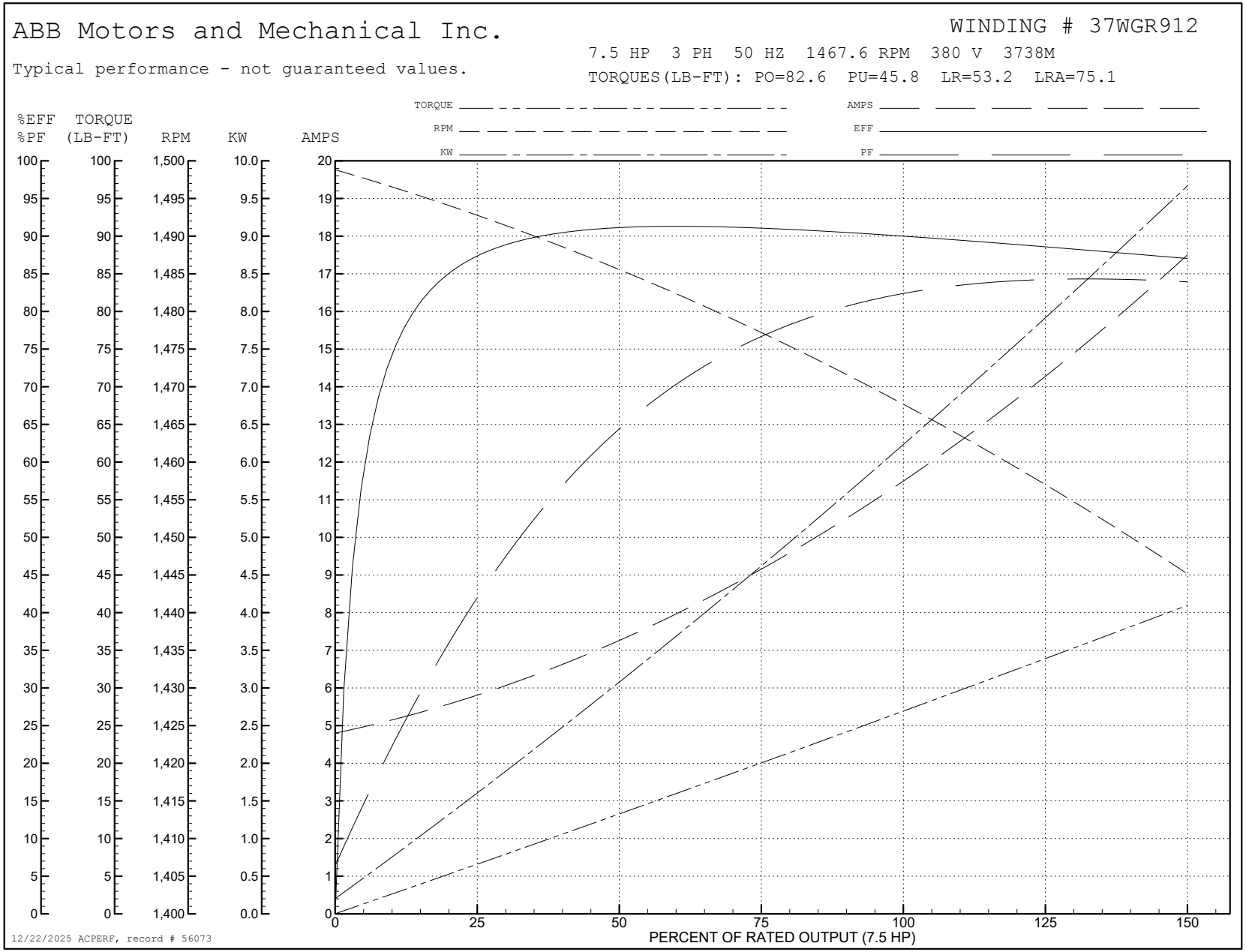
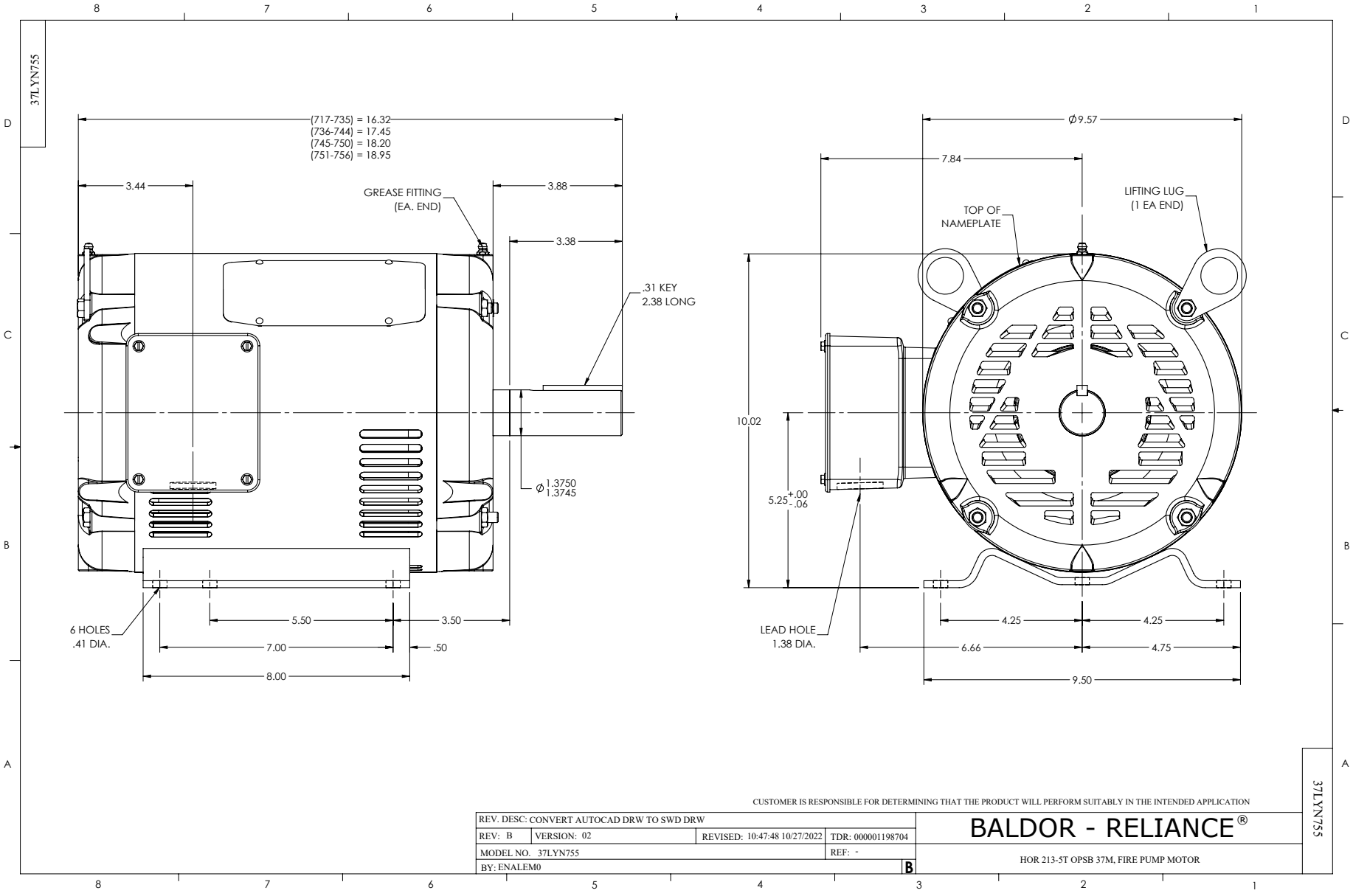
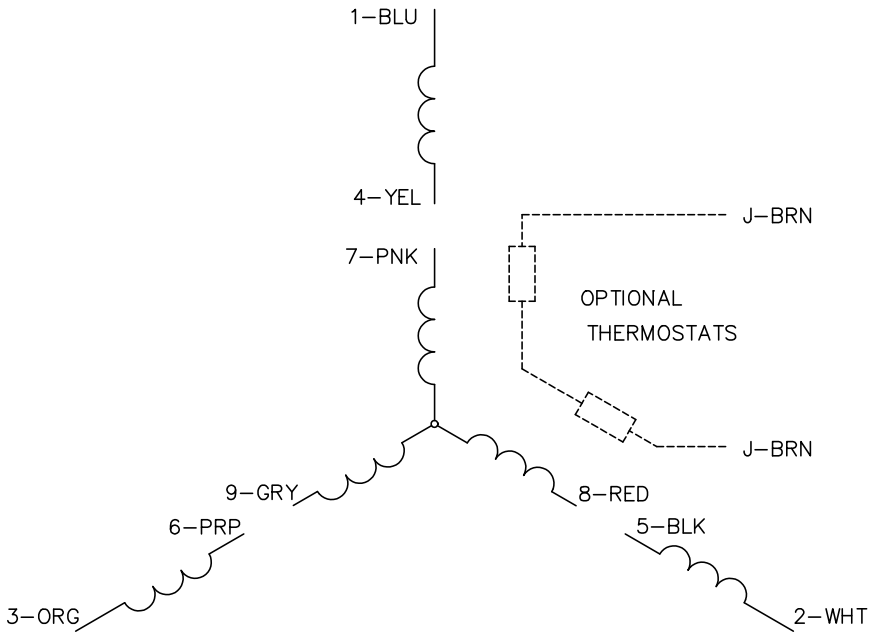
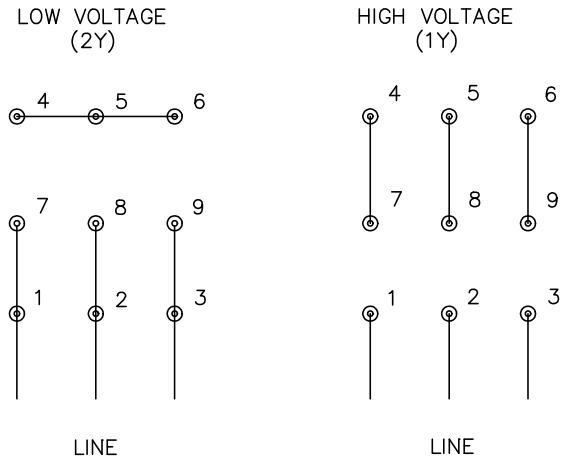


ABB Motors and Mechanical Inc.
WINDING # 37WGR912
7.5 HP 3 PH 50 HZ 1467.6 RPM 380 V 3738M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=82.6 PU=45.8 LR=53.2 LRA=75.1
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (7.5 HP)
12/22/2025 ACPERF, record # 56073


37LYN755
(717-735) = 16.32
(736-744) = 17.45
(745-750) = 18.20
(751-756) = 18.95
3.44
GREASE FITTING
(EA. END)
3.88
3.38
.31 KEY
2.38 LONG
Ø 1.3750
1.3745
6 HOLES
.41 DIA.
5.50
3.50
7.00
.50
8.00
Ø9.57
7.84
LIFTING LUG
(1 EA END)
TOP OF
NAMEPLATE
10.02
5.25 +.00 -.06
LEAD HOLE
1.38 DIA.
4.25
4.25
6.66
4.75
9.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: B
VERSION: 02
REVISED: 10:47:48 10/27/2022
TDR: 000001198704
MODEL NO. 37LYN755
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HOR 213-5T OPSB 37M, FIRE PUMP MOTOR
37LYN755

CD0005





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			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS