

BALDOR® • RELIANCE 

Product Information Packet

FPM3314T

15//10HP,3475//2900RPM,3PH,60//50HZ,215T

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGR892	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37N755	Layout:	37LYN755	Poles:	02	Created Date:	09-23-2015
Base:	RG	Eff. Date:	07-18-2019	Leads:	9#14		

Specs			
Catalog Number:	FPM3314T	Front Face Code:	Standard
Enclosure:	OPSB	Front Shaft Indicator:	None
Frame:	215T	Heater Indicator:	No Heater
Frame Material:	Steel	Insulation Class:	F
Motor Letter Type:	Three Phase	Inverter Code:	Not Inverter
Output @ Frequency:	15.000 HP @ 60 HZ	KVA Code:	G
	10.000 HP @ 50 HZ	Lifting Lugs:	Standard Lifting Lugs
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Voltage @ Frequency:	190.0 V @ 50 HZ	Motor Lead Quantity/Wire Size:	9 @ 14 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	380.0 V @ 50 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3734M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	88
Agency Approvals:	UR	Product Family:	General Purpose
	UL	Pulley End Bearing Type:	Ball
	CSA EEV	Pulley Face Code:	Standard
	CSA	Pulley Shaft Indicator:	Standard

Auxillary Box:	No Auxillary Box	Rodent Screen:	None
Auxillary Box Lead Termination:	None	RoHS Status:	ROHS COMPLIANT
Base Indicator:	Rigid	Shaft Extension Location:	Pulley End
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Ground Indicator:	No Shaft Grounding
Blower:	None	Shaft Rotation:	Reversible
Current @ Voltage:	35.400 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
	29.000 A @ 190.0 V	Speed Code:	Single Speed
	17.700 A @ 460.0 V	Motor Standards:	NEMA
	14.500 A @ 380.0 V	Starting Method:	Direct on line
Design Code:	B	Thermal Device - Bearing:	None
Drip Cover:	No Drip Cover	Thermal Device - Winding:	None
Duty Rating:	CONT	Vibration Sensor Indicator:	No Vibration Sensor
Electrically Isolated Bearing:	Not Electrically Isolated	Winding Thermal 1:	None
Feedback Device:	NO FEEDBACK	Winding Thermal 2:	None

Nameplate NP3454L											
CAT.NO.	FPM3314T			CUST P/N				I.P.	23		
SPEC.	37N755R892H2			SER.NO.				FRAME	215T		
HZ	60	HP	15	RPM	3480	HZ	50	HP	10	RPM	2910
VOLTS	230/460			CODE	G	VOLTS	190/380			CODE	H
AMPS	35.4/17.7			DES	B	AMPS	29/14.5			DES	B
EFF	89.5	SER.F.	1.15	PF	88	EFF	90.2	SER.F.	1.15	PF	87
RATING	40C AMB-CONT			DE BRG	6307			GREASE	POLYREX EM		
BLANK				ODE BRG	6206			MTR. WT.	131		
				CLASS	F		PH	3			
				ENCL	OPSB		CC	010A			
HTR-VOLTS		HTR-AMPS		HTR-WATTS							

Parts List		
Part Number	Description	Quantity
SA307958	SA 37N755R892H2	1.000 EA
RA295278	RA 37N755R892H2	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
37EP3203A00	MASTER,ODE,206 BRG,GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3204D00	MASTER,DE,307 BRG,GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
MG1025R44	WILKOFASST, 784.109, CARMINE RED #3002	0.028 GA
HA3104A39	THRUBOLT-5/16-18 X 12.250	4.000 EA
37AD2001A01	BAFFLE PLATE, PLASTIC 0.63" WIDTH	2.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP3454L	ALUM FIRE PUMP MOTOR(LEGACY/BALDOR ONLY)	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 54324

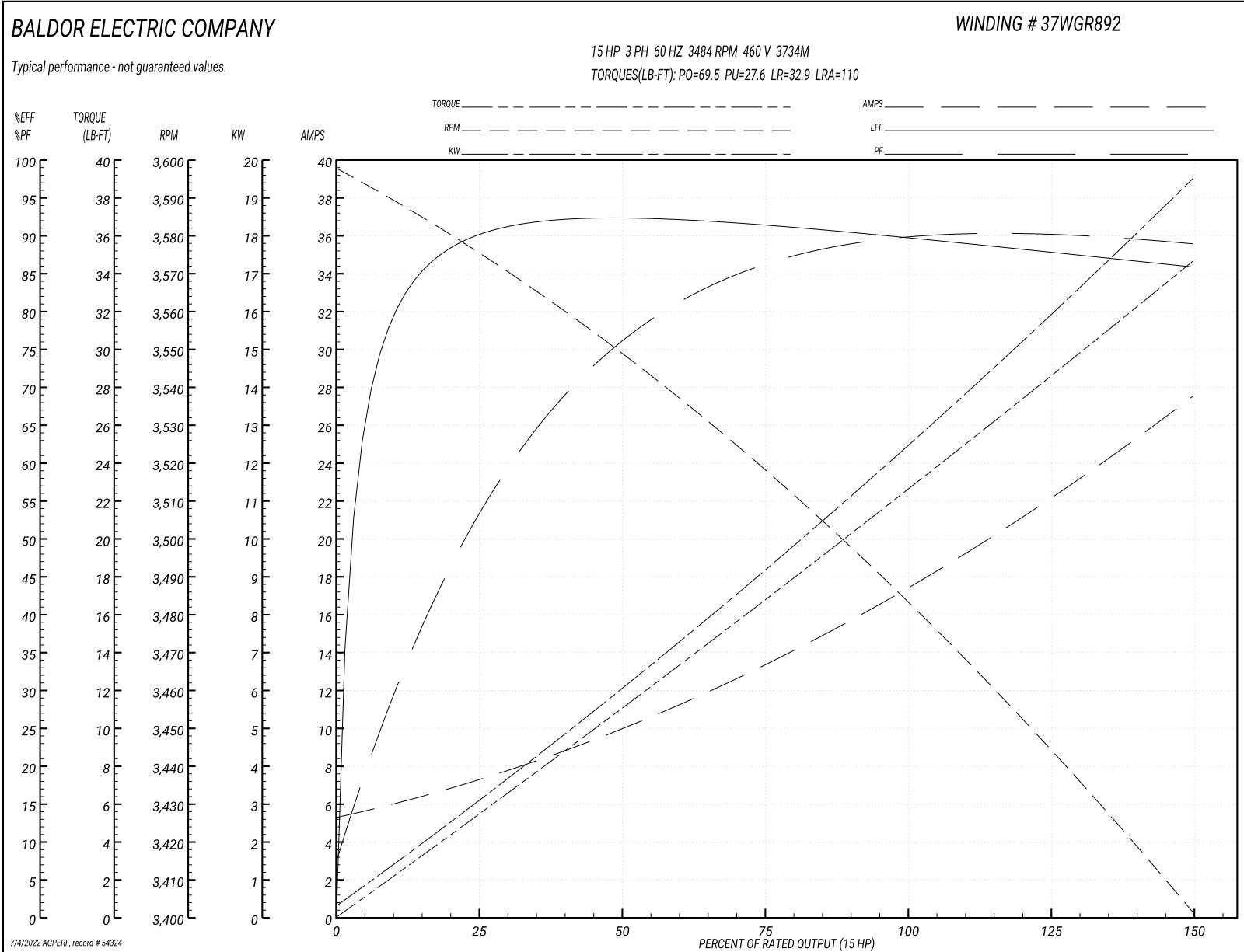
Typical performance - not guaranteed values

Winding: 37WGR892-R001		Type: 3734M	Enclosure: OPSB	
Nameplate Data			460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15//10	Full Load Torque	22.7 LB-FT	
Volts	230/460//190/380	Start Configuration	direct on line	
Full Load Amps	35.4/17.7//29/14.5	Breakdown Torque	69.5 LB-FT	
R.P.M.	3480//2910	Pull-up Torque	27.6 LB-FT	
Hz	60//50 Phase	Locked-rotor Torque	32.9 LB-FT	
NEMA Design Code	B KVA Code	Starting Current	110 A	
Service Factor (S.F.)	1.15	No-load Current	5.57 A	
NEMA Nom. Eff.	89.5 Power Factor	Line-line Res. @ 25°C	0.91103 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	55°C	
S.F. Amps		Temp. Rise @ S.F. Load	71°C	

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	58	78	85	89	90	89	90
Efficiency	89.6	91.8	91.4	90	88.1	85.8	88.9
Speed	3573.9	3546.2	3518.5	3484	3443.8	3400.3	3460
Line amperes	6.99	9.95	13.5	17.7	22.4	27.4	20.5

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 54325

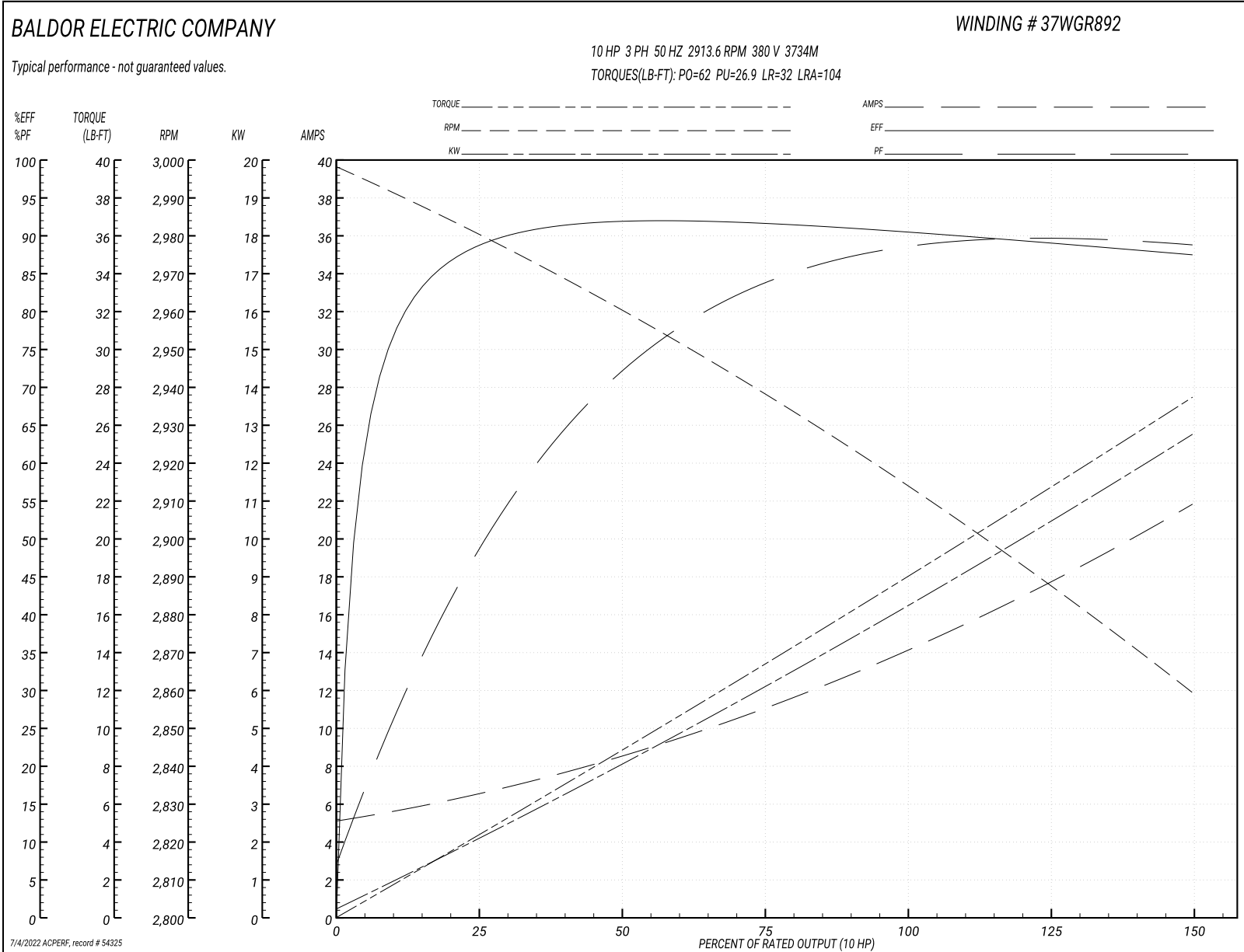
Typical performance - not guaranteed values

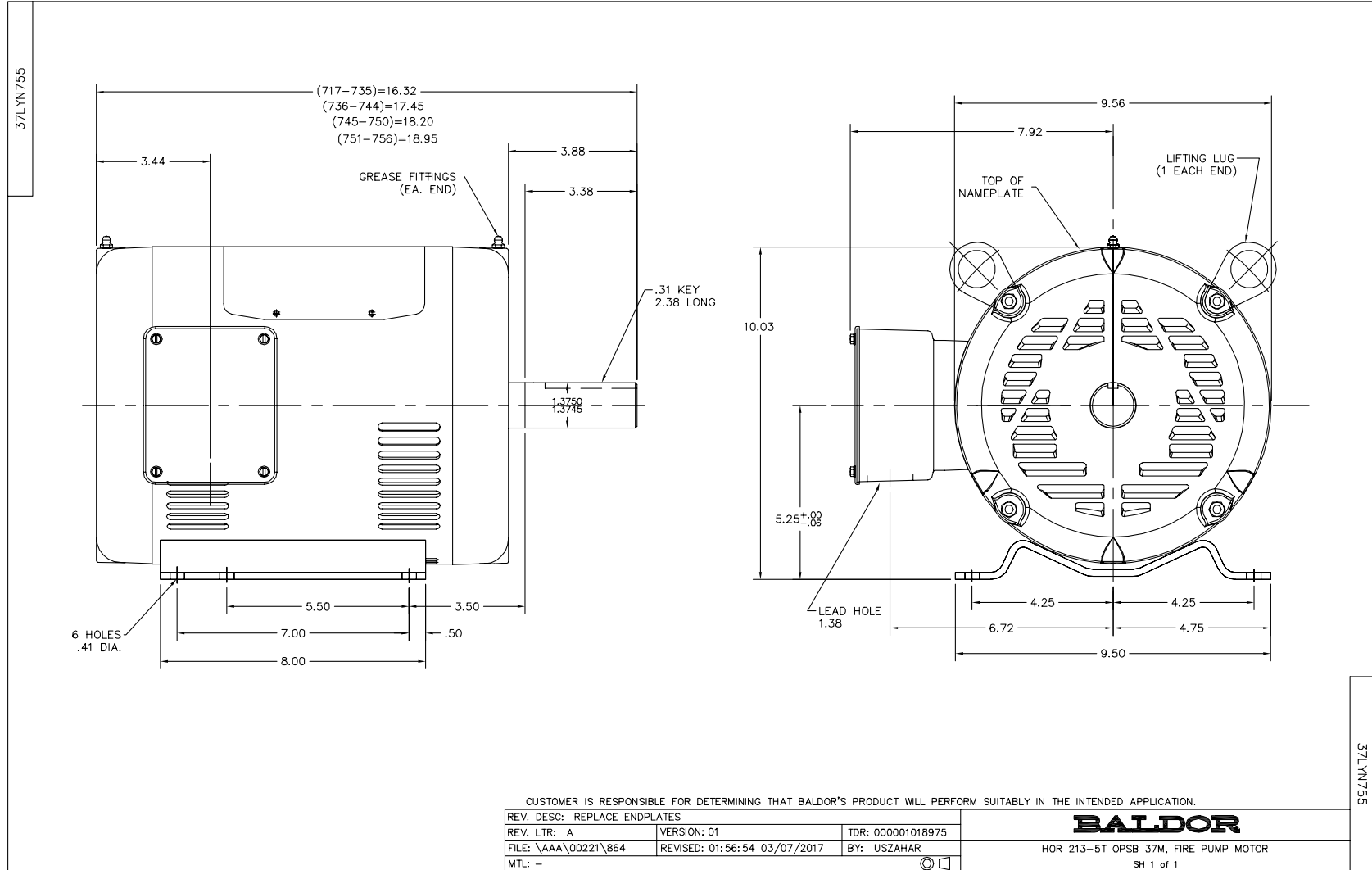
Winding: 37WGR892-R001		Type: 3734M		Enclosure: OPSB	
Nameplate Data			380 V, 50 Hz: Single Voltage Motor		
Rated Output (HP)	15//10		Full Load Torque	18.2 LB-FT	
Volts	230/460//190/380		Start Configuration	direct on line	
Full Load Amps	35.4/17.7//29/14.5		Breakdown Torque	62 LB-FT	
R.P.M.	3480//2910		Pull-up Torque	26.9 LB-FT	
Hz	60//50	Phase	3	Locked-rotor Torque	32 LB-FT
NEMA Design Code	B KVA Code		G	Starting Current	104 A
Service Factor (S.F.)			1.15	No-load Current	5.32 A
NEMA Nom. Eff.	89.5	Power Factor	88	Line-line Res. @ 25°C	0.91015 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	36°C
S.F. Amps				Temp. Rise @ S.F. Load	45°C

Load Characteristics 380 V, 50 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	74	83	87	89	89	88
Efficiency	88.4	91.5	91.5	90.6	89.2	87.4	89.8
Speed	2979	2959.3	2937.2	2913.6	2888.1	2858.6	2898
Line amperes	6.34	8.44	11.3	14.4	17.9	21.7	16.5

Performance Graph at 380V, 50Hz, 10.0HP Typical performance - Not guaranteed values





CD0005

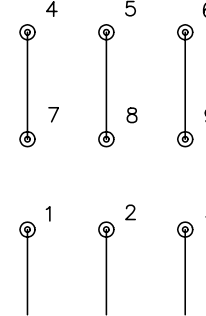


LOW VOLTAGE
(2Y)



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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
90000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005