

BALDOR® • RELIANCE 

Product Information Packet

XM21562T

5HP, 1165//975RPM, 3PH, 60HZ, 215T, XPFC, F1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGQ067	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:		Layout:	37LYN517	Poles:	06	Created Date:	04-04-2019
Base:		Eff. Date:	05-25-2021	Leads:	9#14		

Specs			
Catalog Number:	XM21562T	Duty Rating:	CONT
Enclosure:	XPFC	Electrically Isolated Bearing:	Not Electrically Isolated
Frame:	215T	Feedback Device:	NO FEEDBACK
Frame Material:	Steel	Heater Indicator:	No Heater
Motor Letter Type:	Three Phase	Insulation Class:	F
Output @ Frequency:	3.000 HP @ 50 HZ	Inverter Code:	Inverter Duty
	5.000 HP @ 60 HZ	IP Rating:	NONE
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	KVA Code:	K
Voltage @ Frequency:	380.0 V @ 50 HZ	Lifting Lugs:	Standard Lifting Lugs
	230.0 V @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
	190.0 V @ 50 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3752M
XP Class and Group:	CLI GP D; CLII GP F,G	Mounting Arrangement:	F1
XP Division:	Division I	Power Factor:	71
Agency Approvals:	CSA	Product Family:	General Purpose
	UR	Pulley Face Code:	Standard
	CSA EEV	Rodent Screen:	None
Auxillary Box:	No Auxillary Box	RoHS Status:	ROHS NON-COMPLIANT

Auxillary Box Lead Termination:	None	Shaft Ground Indicator:	No Shaft Grounding
Base Indicator:	Rigid	Shaft Rotation:	Reversible
Bearing Grease Type:	Polyrex EM (-20F +300F)	Speed Code:	Single Speed
Blower:	None	Motor Standards:	NEMA
Constant Torque Speed Range:	6	Starting Method:	Direct on line
Current @ Voltage:	7.200 A @ 460.0 V	Thermal Device - Bearing:	None
	5.900 A @ 380.0 V	Thermal Device - Winding:	Normally Closed Thermostat
	14.400 A @ 230.0 V	Vibration Sensor Indicator:	No Vibration Sensor
	11.900 A @ 190.0 V	Winding Thermal 1:	None
Design Code:	A	Winding Thermal 2:	None
Drip Cover:	No Drip Cover	XP Temp Code:	T3C

Nameplate NP0887XPSLEV										
NO.						CC	010A			
S/N						TEMP CODE	T3C			
SPEC.	37-0000-0042					INV. TYPE	PWM			
CAT.NO.	XM21562T					C HP FR	60		C HP TO	90
HP	5/3					CT HZ FROM	6		CT HZ TO	60
VOLTS	230/460//190/380					VT HZ FROM	6		VT HZ TO	60
AMPS	14.4/7.2//11.9/5.9					MAG CUR	8/4			
RPM	1165//975					MX RPM	1800			
HZ	60//50		PH	3		CL	F		NOM.EFF.	89.5
SER.F.	1.00		DES	A		SL HZ	1.8		WK2	1.29
FRAME	215T		RATING	40C AMB-CONT						
	55C AMB @ 1.0 SF									
	1.15 SF SINEWAVE					NEMA MG-1 PT 5,IP54				

Parts List		
Part Number	Description	Quantity
SA368115	SA 37-0000-0042	1.000 EA
RA357607	RA 37-0000-0042	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP0887XPSLEV	SS XP INV UL CSA-EEV CC CL-I GP-D	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
NP0018F	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
37FH4000A09	FAN COVER, W/ PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
HA3106A06	THRUBOLT- 1/2-13 X 13.375TDR#32325	4.000 EA
37EP1704A01	FR ENDPLATE, TEFC, CAST IRON, MACHINED	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
37EP1701A02	PU ENDPLATE,TEFC, 1 FAN, W/GREASER, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
35CB3001A02SP	EXPL PROOF CONDUIT BOX, 3/4"PIPE TAP LEA	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
MG1500Y02	WILKOPON PRIMER YELLOW	0.001 GA
MG1025G29	WILKOFASST, 789.229, DARK CHARCOAL GRAY	0.022 GA
37PA1074	PALLET PACK GRP, PRINT BOX PK1026A06	1.000 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

AC Induction Motor Performance Data

Record # 73678

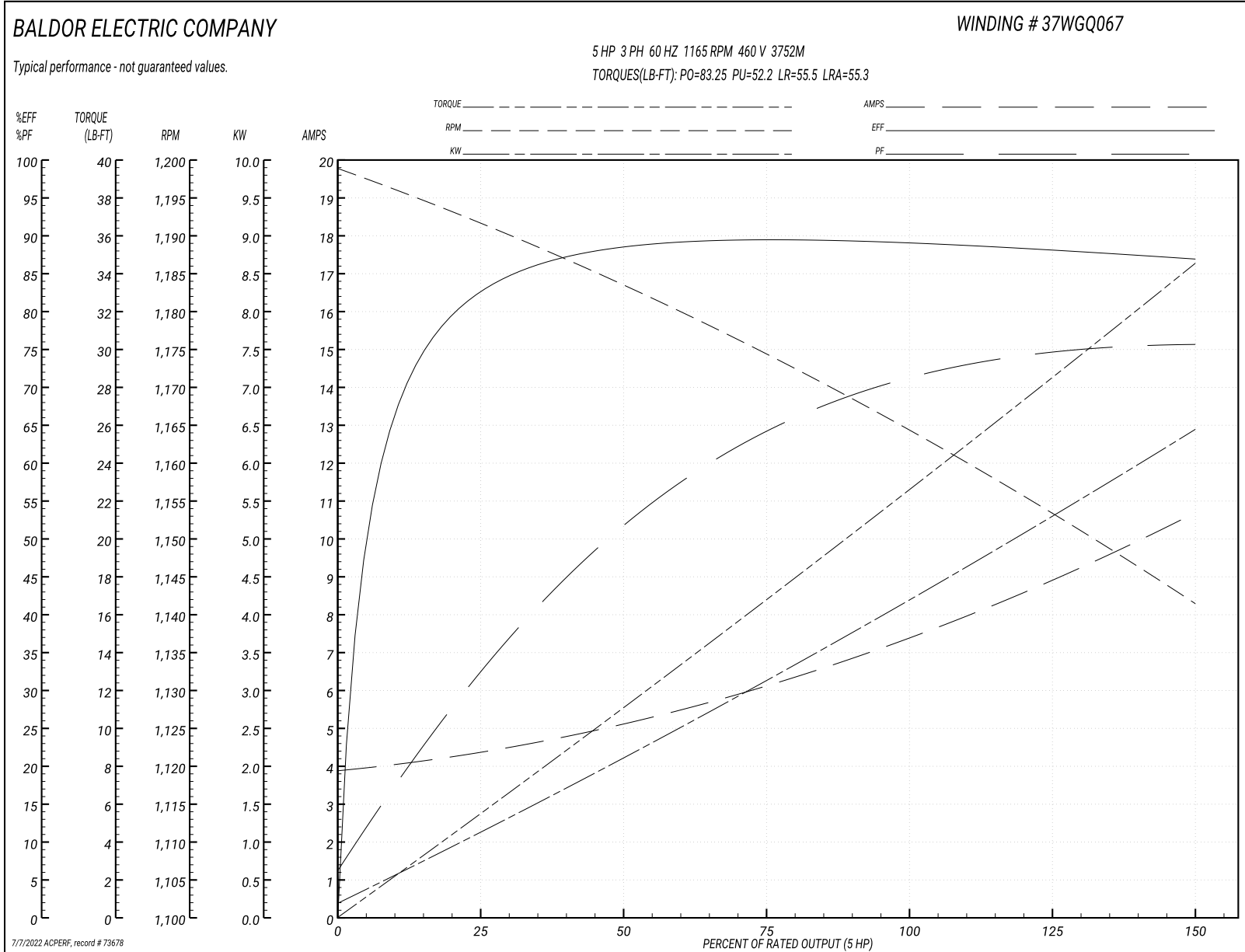
Typical performance - not guaranteed values

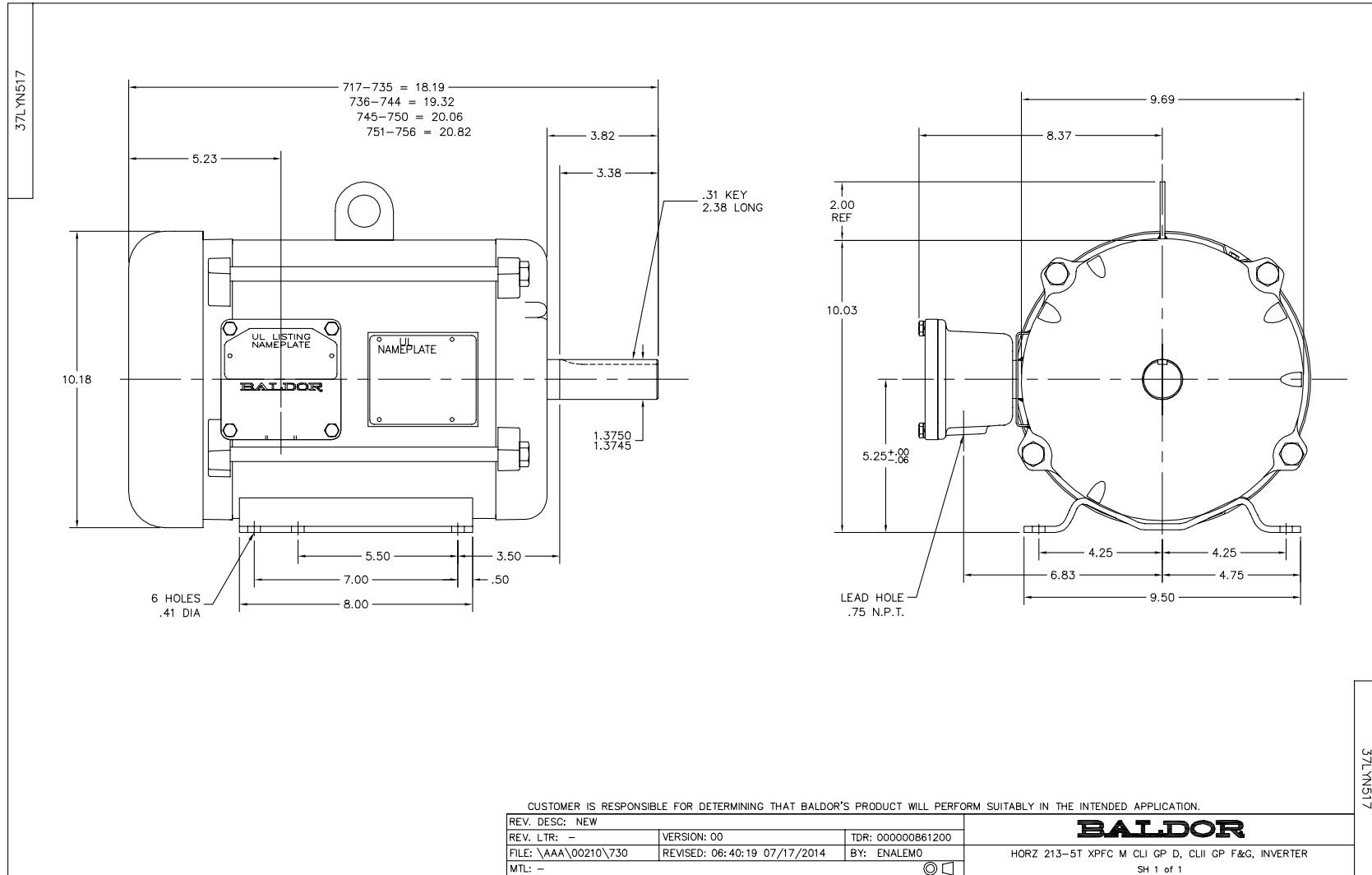
Winding: 37WGQ067-R008		Type: 3752M		Enclosure: XPFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	5//3	Full Load Torque	22.58 LB-FT		
Volts	230/460//190/380	Start Configuration	direct on line		
Full Load Amps	14.4/7.2//11.9/5.9	Breakdown Torque	83.25 LB-FT		
R.P.M.	1165//975	Pull-up Torque	52.2 LB-FT		
Hz	60//50 Phase	3	Locked-rotor Torque	55.5 LB-FT	
NEMA Design Code	A KVA Code	K	Starting Current	55.3 A	
Service Factor (S.F.)		1	No-load Current	3.96 A	
NEMA Nom. Eff.	89.5 Power Factor	71	Line-line Res. @ 25°C	1.65 Ω	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	61°C	
			Locked-rotor Power Factor	21.9	
			Rotor inertia	1.29 LB-FT ²	

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	33	53	64	71	74	76
Efficiency	82.1	88.2	89.3	89.2	88.3	86.8
Speed	1192	1183	1174	1165	1154	1141
Line amperes	4.26	5.06	6.15	7.44	8.92	10.65

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values

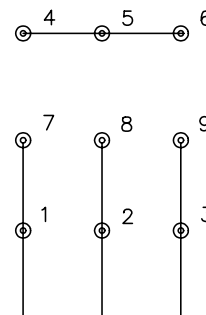




CD0005

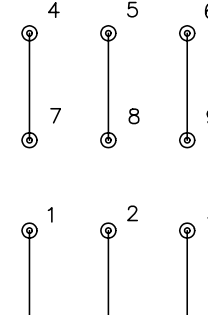


LOW VOLTAGE
(2Y)



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
900003		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005

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