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# Customer information packet

## XM21362T

3HP, 1160//960RPM, 3PH, 60HZ, 213T, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

## Specifications

Enclosure	XPFC
Frame	213T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ 2.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 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
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	4.000 A @ 380.0 V 4.600 A @ 460.0 V 8.000 A @ 190.0 V 9.200 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %

## Part detail

Revision	G
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	37WGS519
Layout	37LYN517
Eff. date	10-13-2022
CD Diagram	CD0005
Poles	06
Leads	9#14
Proprietary	False
Created date	04-04-2019

<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Haz Area Temp Code</b>	T3C
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	4.0 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Duty
<b>IP Rating</b>	NONE
<b>KVA Code</b>	L
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Max Speed</b>	1800 rpm
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3738M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	6
<b>Overall Length</b>	19.32 IN
<b>Power Factor</b>	68
<b>Product Family</b>	General Purpose
<b>Pulley Face Code</b>	Standard
<b>Rodent Screen</b>	None
<b>RoHS Status</b>	ROHS NON-COMPLIANT
<b>Service Factor</b>	1.00
<b>Shaft Diameter</b>	1.375 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Speed</b>	1160 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	Normally Closed Thermostat
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None

**Winding Thermal 2**

**None**

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**Nameplate**

**NP0887XPSLEV**

<b>NO.</b>		<b>CC</b>	010A		
<b>S/N</b>		<b>TEMP CODE</b>	T3C		
<b>SPEC.</b>	37-0000-0041	<b>INV.TYPE</b>	PWM		
<b>CAT.NO.</b>	XM21362T	<b>C HP FR</b>	60	<b>C HP TO</b>	90
<b>HP</b>	3//2	<b>CT HZ FROM</b>	6	<b>CT HZ TO</b>	60
<b>VOLTS</b>	230/460//190/380	<b>VT HZ FROM</b>	6	<b>VT HZ TO</b>	60
<b>AMPS</b>	9.2/4.6//8/4	<b>MAG CUR</b>	5.2/2.6		
<b>RPM</b>	1160//960	<b>MX RPM</b>	1800		
<b>HZ</b>	60//50	<b>PH</b>	3	<b>CL</b>	F
		<b>NOM.EFF.</b>	89.5		
<b>SER.F.</b>	1.00	<b>DES</b>	A	<b>SL HZ</b>	2
		<b>WK2</b>	0.945		
<b>FRAME</b>	213T	<b>RATING</b>	40C AMB-CONT		
	55C AMB @ 1.0 SF				
	1.15 SF SINEWAVE	NEMA MG-1 PT 5,IP54			

**AC Induction Motor Performance Data**

Record # 73672

Typical performance - not guaranteed values

<b>Winding:</b> 37WGS519-R048		<b>Type:</b> 3738M		<b>Enclosure:</b> XPFC		
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>			
<b>Rated Output (HP)</b>	3//2		<b>Full Load Torque</b>	13.4 LB-FT		
<b>Volts</b>	230/460//190/380		<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	9.2/4.6//8/4		<b>Breakdown Torque</b>	50.17 LB-FT		
<b>R.P.M.</b>	1160//960		<b>Pull-up Torque</b>	31.8 LB-FT		
<b>Hz</b>	60//50	<b>Phase</b>	3	<b>Locked-rotor Torque</b>	33.9 LB-FT	
<b>NEMA Design Code</b>	A		<b>KVA Code</b>	L	<b>Starting Current</b>	34 A
<b>Service Factor (S.F.)</b>	1			<b>No-load Current</b>	2.56 A	
<b>NEMA Nom. Eff.</b>	89.5	<b>Power Factor</b>	68	<b>Line-line Res. @ 25°C</b>	2.67 Ω	
<b>Rating - Duty</b>	40C AMB-CONT			<b>Temp. Rise @ Rated Load</b>	39°C	
				<b>Locked-rotor Power Factor</b>	22.9	
				<b>Rotor inertia</b>	0.945 LB-FT <sup>2</sup>	

**Load Characteristics 460 V, 60 Hz, 3 HP**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>
<b>Power Factor</b>	32	51	63	69	73	75
<b>Efficiency</b>	78.5	86.3	87.9	88.5	88.1	86.7
<b>Speed</b>	1193	1186	1178	1170	1160	1148
<b>Line amperes</b>	2.75	3.22	3.86	4.57	5.49	6.47

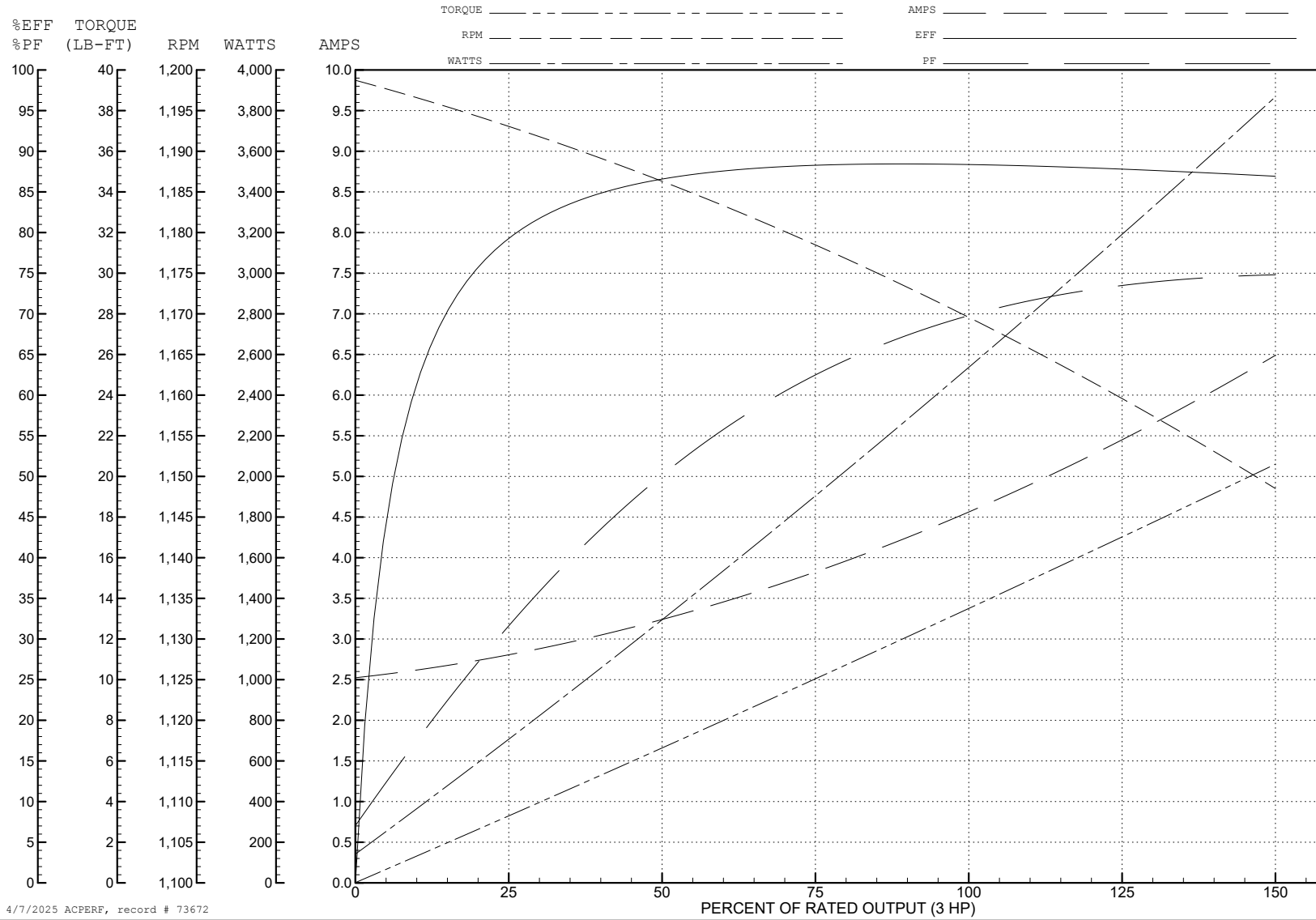
ABB Motors and Mechanical Inc.

WINDING # 37WGS519

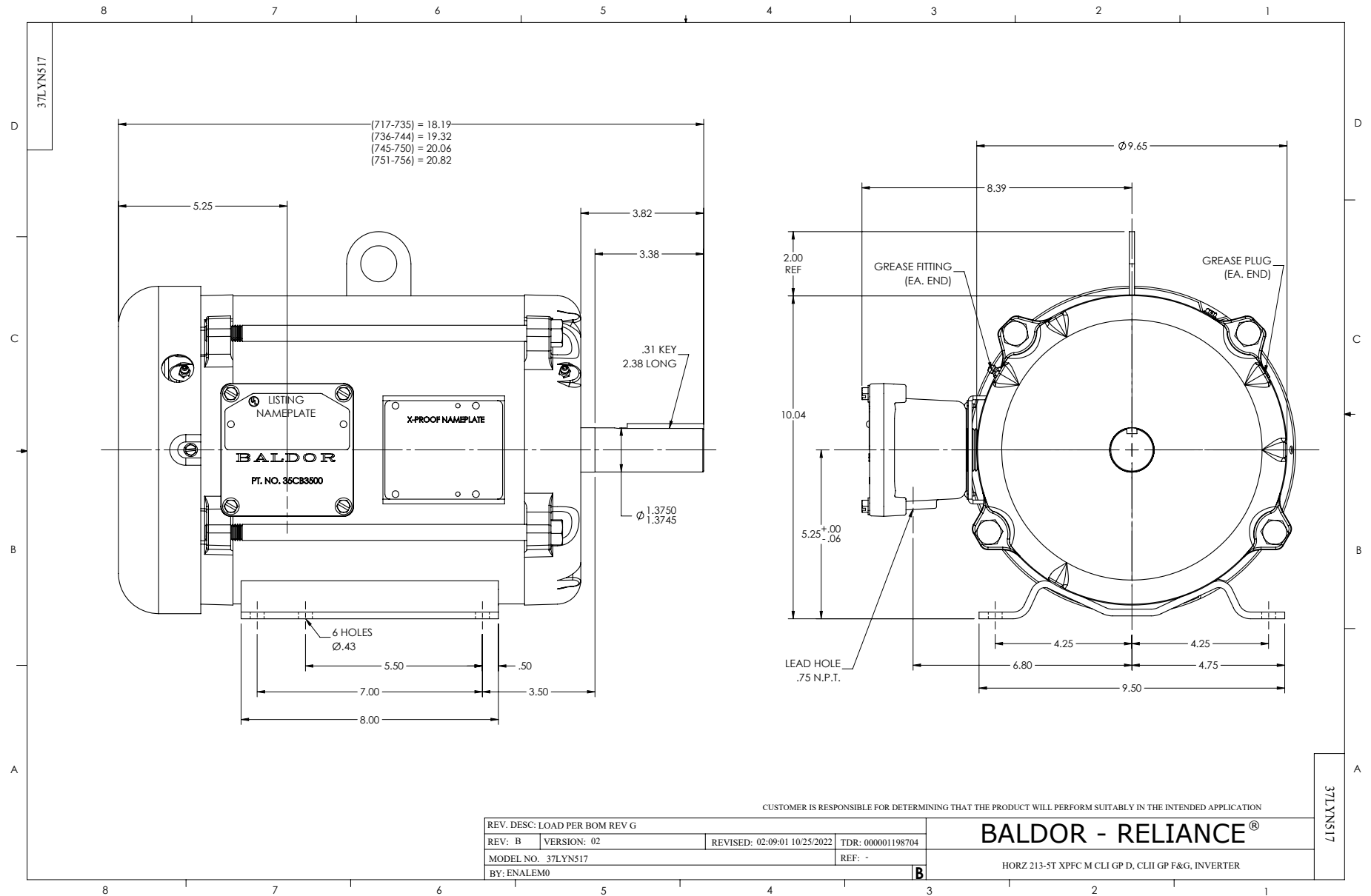
3 HP 3 PH 60 HZ 1170 RPM 460 V 3738M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=50.17 PU=31.8 LR=33.9 LRA=34



4/7/2025 ACPERF, record # 73672



CD0005

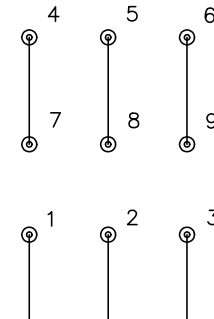


LOW VOLTAGE  
(2Y)



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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS