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# Customer information packet

## XT3102T

10HP, 3525RPM, 3PH, 60HZ, 215T, 0738M, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

## Specifications

Enclosure	TEFC
Frame	215T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 208.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	UR CCSA US NEMA_PREMIUM NEMA PREMIUM 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	11.900 A @ 460.0 V 23.800 A @ 230.0 V 25.400 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %

## Part detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	07WGW279
Layout	07LYJ065
Eff. date	06-28-2024
CD Diagram	CD0005
Poles	02
Leads	9#16
Proprietary	False
Created date	11-10-2020

Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	11.9 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0738M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.47 IN
Power Factor	93
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3525 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**

<b>NP4163L</b>										
<b>CAT.NO.</b>	XT3102T					<b>I.P.</b>	54			
<b>SPEC.</b>	07-0000-0916					<b>ENCL</b>	TEFC			
<b>FRAME</b>	215T		<b>H.P.</b>	10						
<b>VOLTS</b>	208-230/460		<b>P.F.</b>	93						
<b>F.L. AMPS</b>	25.4-23.8/11.9		<b>RATING</b>	40C AMB-CONT						
<b>R.P.M.</b>	3525									
<b>HZ.</b>	60		<b>PH.</b>	3		<b>CLASS</b>	F			
<b>SER.F.</b>	1.15		<b>DES.</b>	B		<b>SL HZ</b>	1.35			
<b>NEMA NOM. EFF.</b>	91		<b>WK2</b>	0.35						
<b>DE</b>	6307		<b>ODE</b>	6206						
<b>MAG. CUR.</b>	8.4/4.2									
<b>INV TYPE</b>	PWM	<b>CHP</b>	60	<b>TO</b>	90	<b>T. CODE</b>	T3C			
<b>CT</b>	6	<b>TO</b>	60	<b>VT</b>	6	<b>TO</b>	60			
<b>CC</b>	010A		<b>SN</b>							
USABLE AT 50 HZ 7.5HP 190/30V										
21.6/10.8A										

**AC Induction Motor Performance Data**

Record # 84582

Typical performance - not guaranteed values

Winding: 07WGW279-R022		Type: 0738M		Enclosure: TEFC	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
Rated Output (HP)	10	Full Load Torque	15 LB-FT		
Volts	208-230/460	Start Configuration	direct on line		
Full Load Amps	25.4-23.8/11.9	Breakdown Torque	66 LB-FT		
R.P.M.	3525	Pull-up Torque	33.5 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque	37.5 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	112 A
Service Factor (S.F.)	1	No-load Current	4.2 A		
NEMA Nom. Eff.	91	Power Factor	93	Line-line Res. @ 25°C	0.784 Ω
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	43°C	
			Locked-rotor Power Factor	33.8	
			Rotor inertia	0.347 lb-ft <sup>2</sup>	

**Load Characteristics 460 V, 60 Hz, 10 HP**

% of Rated Load	25	50	75	100
Power Factor	53	75	85	89
Efficiency	85.5	90.2	91.6	91.2
Speed	3579	3560	3540	3519
Line amperes	5.3	7	9.2	11.6

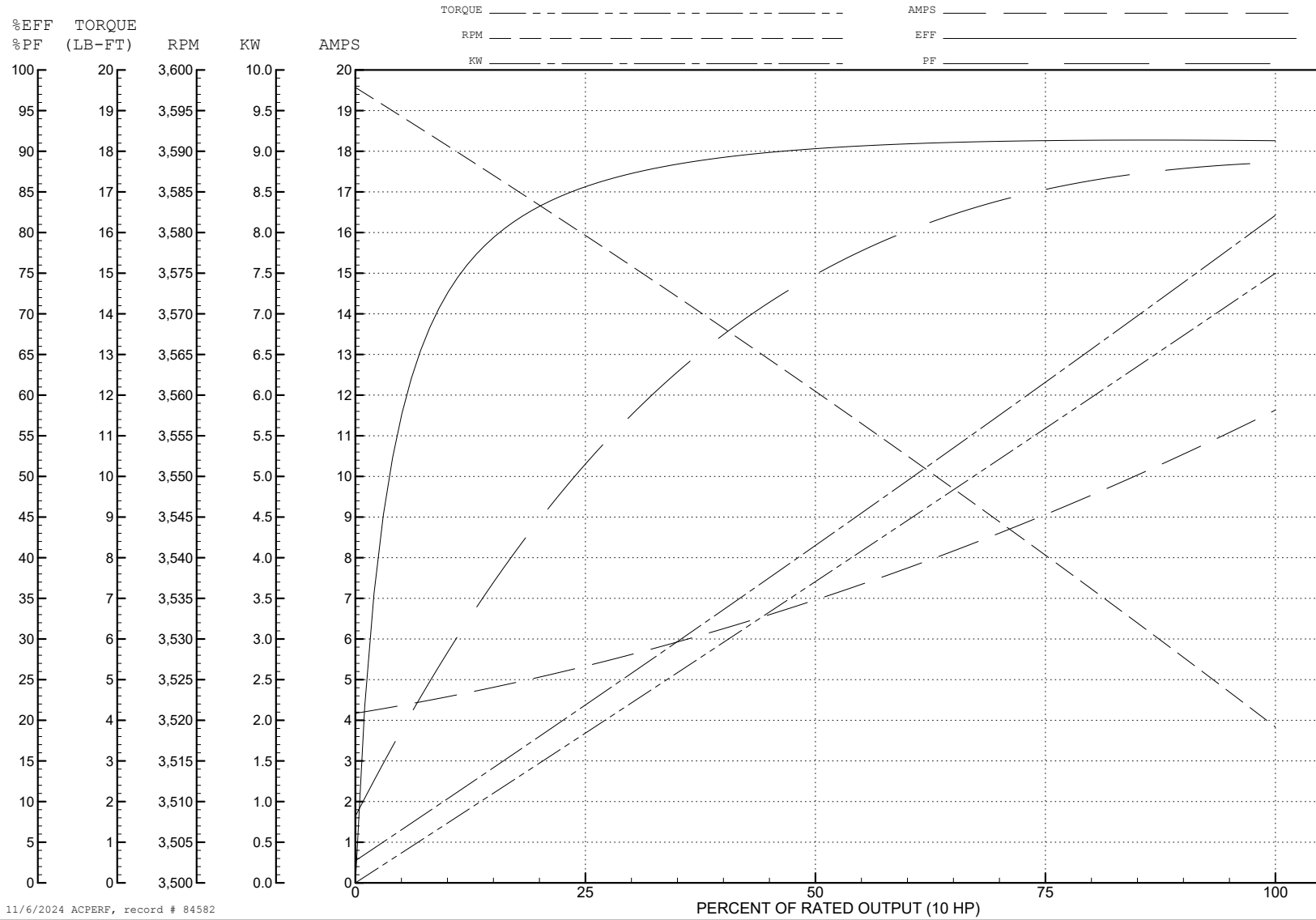
ABB Motors and Mechanical Inc.

WINDING # 07WGW279

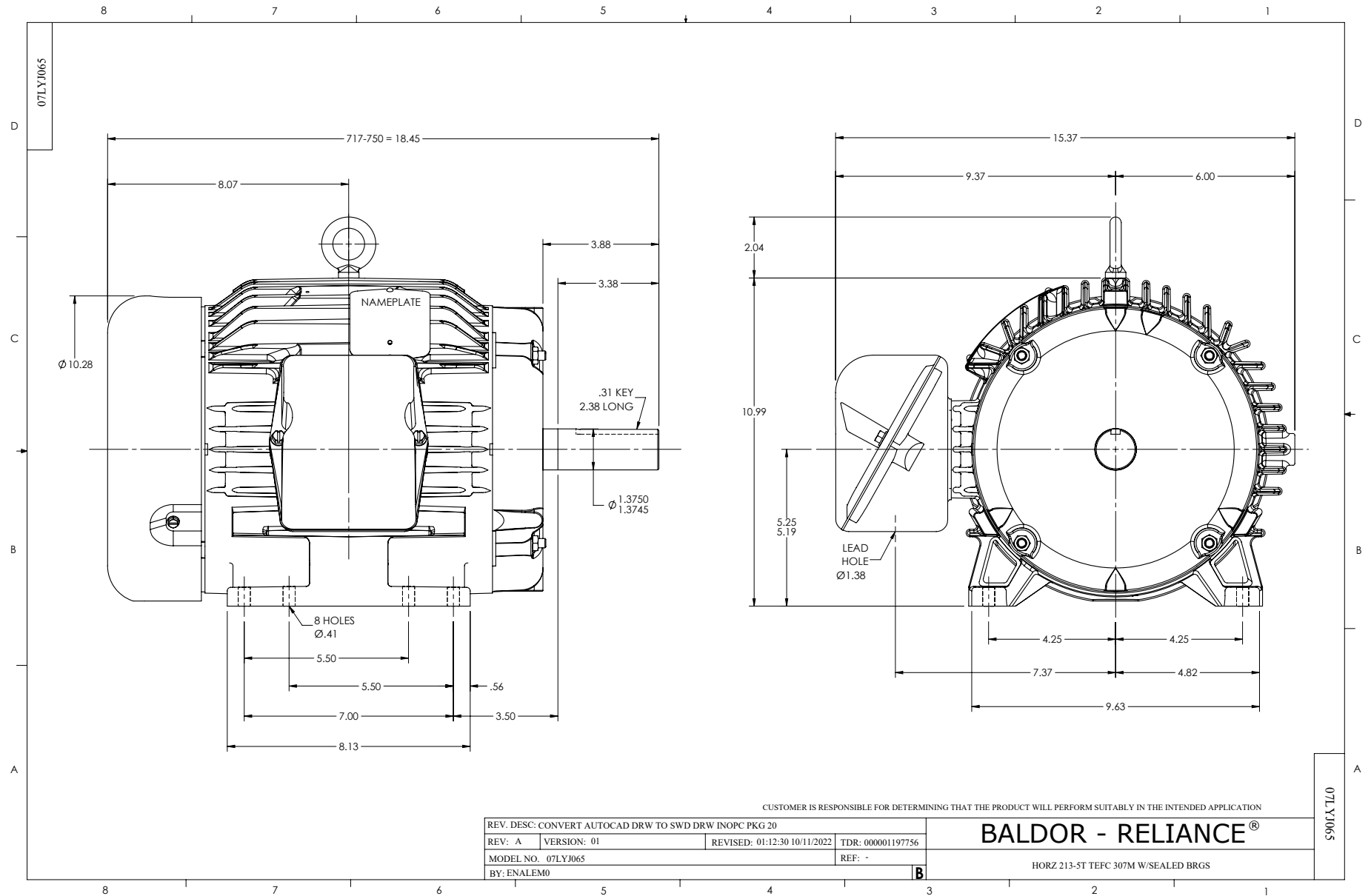
Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 3525 RPM 460 V 0738M

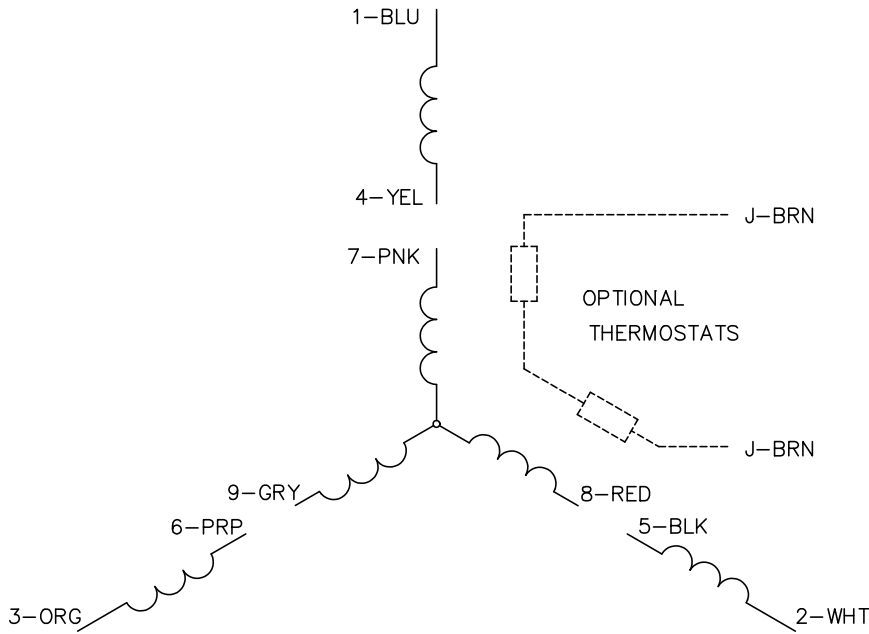
TORQUES (LB-FT): PO=66 PU=33.5 LR=37.5 LRA=112



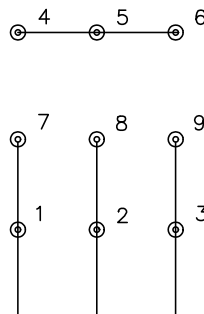
11/6/2024 ACPERF, record # 84582



CD0005

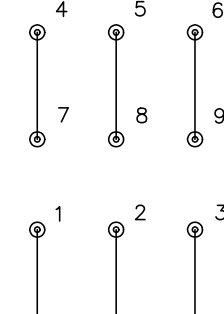


LOW VOLTAGE  
(2Y)



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