

**BALDOR • RELIANCE**

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# Customer information packet

## 37G697S397H1

10HP, 1770RPM, 3PH, 60HZ, 215T, 3740M, TEFC, F1

Class -

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	215T
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	200.0 V @ 60 HZ
XP Division	Not Applicable
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	RG
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	31.300 A @ 200.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
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	31.3 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K

## Part detail

Revision	H
Type	AC
Mech. spec.	37G697
Base	
Status	NLA/A
Elec. spec.	37WGS397
Layout	37LYG697
Eff. date	05-17-2016
CD Diagram	CD0006
Poles	04
Leads	3#10
Proprietary	False
Created date	07-18-2007

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3740M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.01 IN
Power Factor	77
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
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	1770 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**

NP1256L									
<b>CAT.NO.</b>									
<b>SPEC.</b>	37G697S397H1								
<b>HP</b>	10								
<b>VOLTS</b>	200								
<b>AMP</b>	31.3								
<b>RPM</b>	1770								
<b>FRAME</b>	215T		<b>HZ</b>	60		<b>PH</b>	3		
<b>SER.F.</b>	1.15	<b>CODE</b>	K	<b>DES</b>	A	<b>CLASS</b>	F		
<b>NEMA-NOM-EFF</b>	89.5	<b>PF</b>	77						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>	010A								
<b>DE</b>	6307	<b>ODE</b>	6206						
<b>ENCL</b>	TEFC	<b>SN</b>							

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
37-3301	C FACE KIT	P1

**AC Induction Motor Performance Data**

Record # 24804

Typical performance - not guaranteed values

<b>Winding:</b> 37WGS397-R001		<b>Type:</b> 3740M		<b>Enclosure:</b> TEFC	
<b>Nameplate Data</b>			<b>200 V, 60 Hz: Single Voltage Motor</b>		
<b>Rated Output (HP)</b>	10	<b>Full Load Torque</b>	29.5 LB-FT		
<b>Volts</b>	200	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	31.3	<b>Breakdown Torque</b>	123 LB-FT		
<b>R.P.M.</b>	1770	<b>Pull-up Torque</b>	54.5 LB-FT		
<b>Hz</b>	60	<b>Locked-rotor Torque</b>	69.9 LB-FT		
<b>NEMA Design Code</b>	A	<b>Starting Current</b>	250 A		
<b>Service Factor (S.F.)</b>	1.15	<b>No-load Current</b>	17.3 A		
<b>NEMA Nom. Eff.</b>	89.5	<b>Line-line Res. @ 25°C</b>	0.214 Ω		
<b>Rating - Duty</b>	40C	<b>Temp. Rise @ Rated Load</b>	79°C		
<b>S.F. Amps</b>	AMB-CONT	<b>Temp. Rise @ S.F. Load</b>	92°C		
		<b>Locked-rotor Power Factor</b>	41		
		<b>Rotor inertia</b>	0.984 LB-FT <sup>2</sup>		

**Load Characteristics 200 V, 60 Hz, 10 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>S.F.</b>
<b>Power Factor</b>	35	57	69	76	81	83	79
<b>Efficiency</b>	81	88.5	89.3	89.5	88.8	88.1	89.1
<b>Speed</b>	1793	1785	1777	1769	1760	1752	1764
<b>Line amperes</b>	18.4	21.6	25.6	31.3	37.4	43.9	35

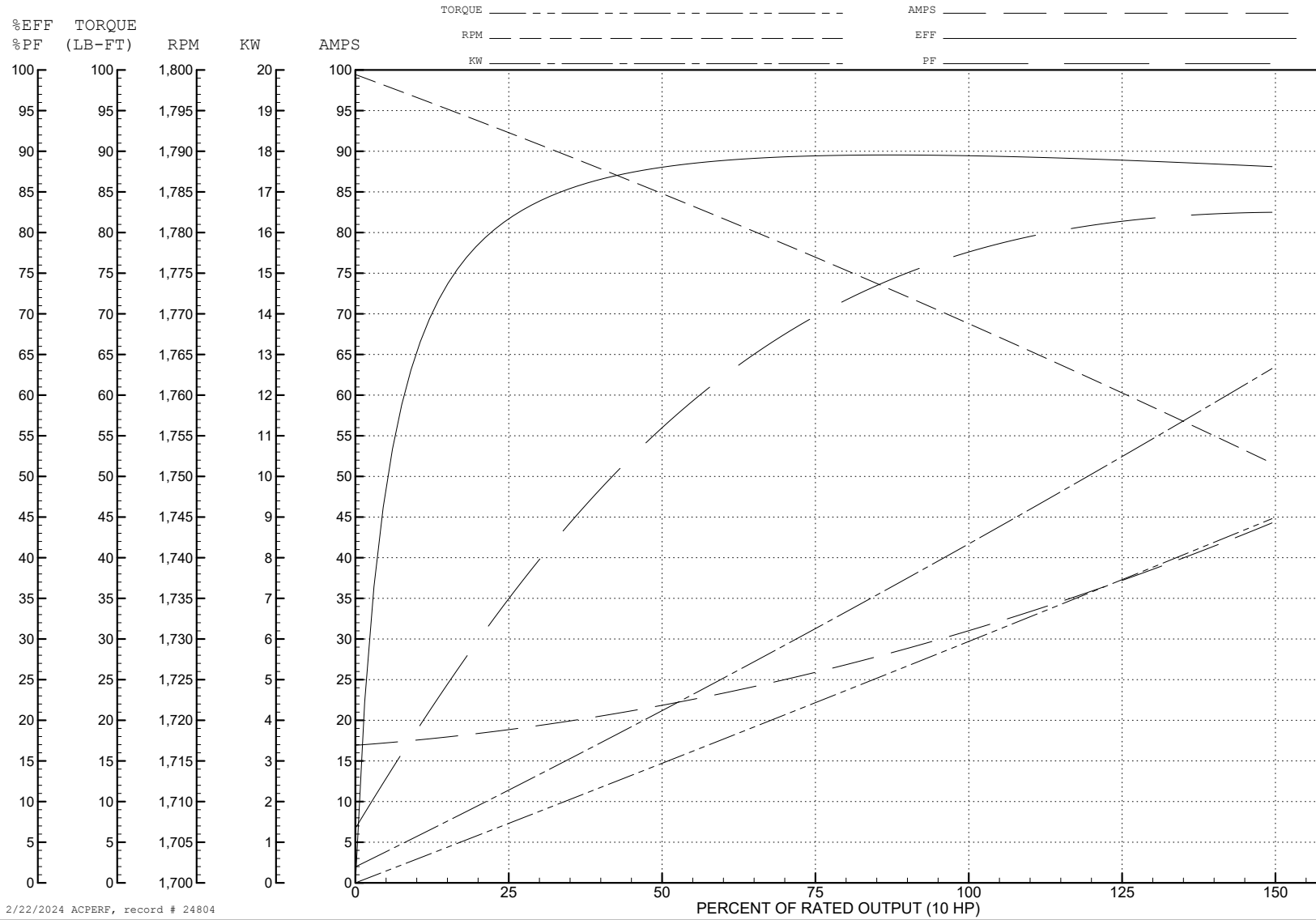
ABB Motors and Mechanical Inc.

WINDING # 37WGS397

10 HP 3 PH 60 HZ 1770 RPM 200 V 3740M

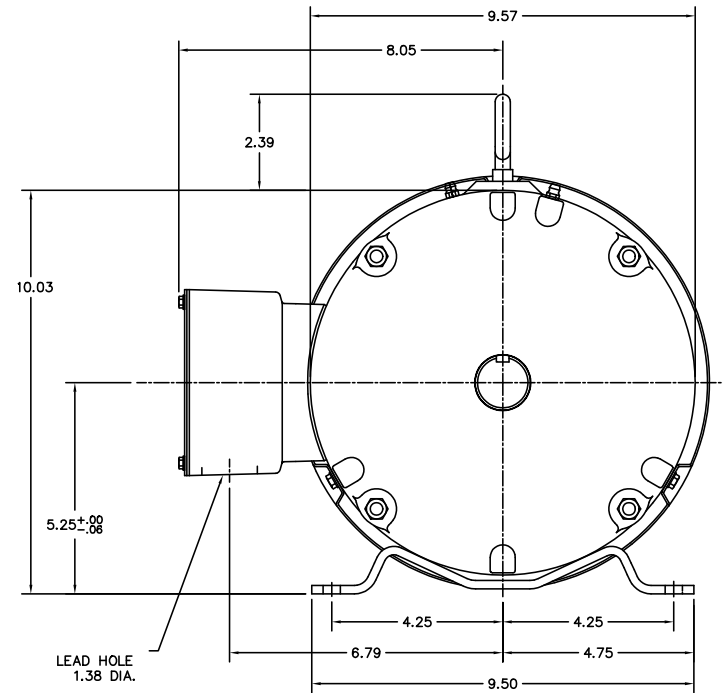
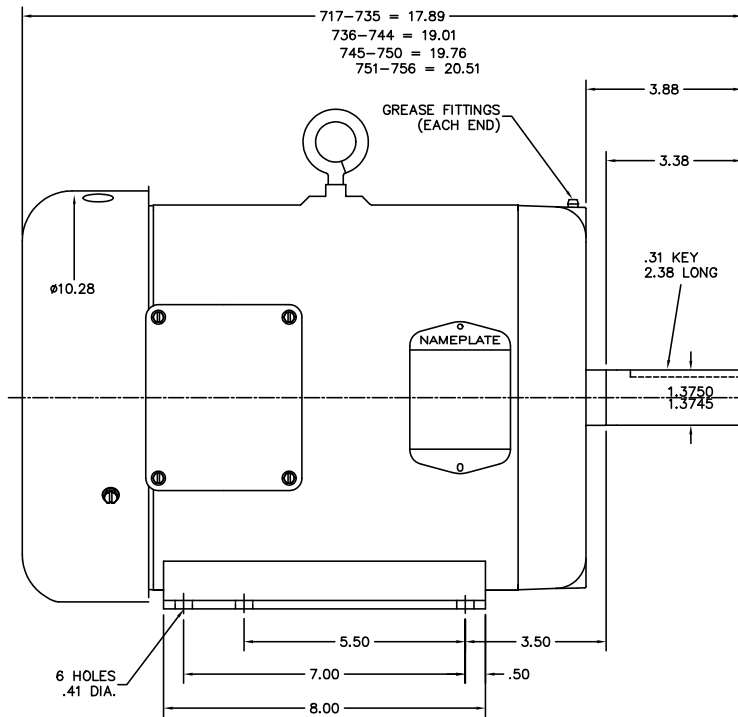
Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=123 PU=54.5 LR=69.9 LRA=250



2/22/2024 ACPERF, record # 24804

37LYG697



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: 07FH4007 WAS 07FH4004	TDR: 0214997
REV. LTR: C BY: JED REVISED: 07/28/00 1:24	REF: -
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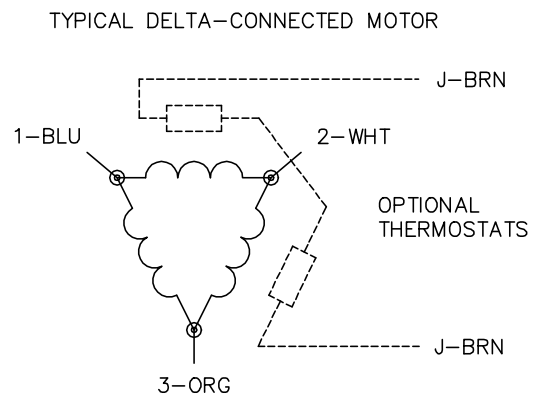
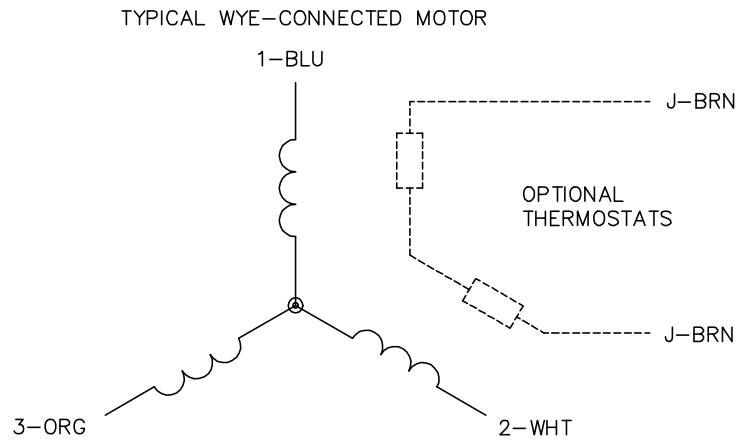
**BALDOR ELECTRIC Co.**

STD HORZ 213-5T TEFC 37M

37LYG697



CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

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REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIRO
MTL: -	© □	

**BALDOR - RELIANCE®**

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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