

**BALDOR® • RELIANCE™**

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# Customer information packet

## CEM2333T

15HP, 1765RPM, 3PH, 60HZ, 254TC, 0944M, TEFC, F

Class - None

Division - Not Applicable

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6/9/2025 4:18:27 AM

## Specifications

Enclosure	TEFC
Frame	254TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV NEMA PREMIUM NEMA_PREMIUM UR
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
Current @ Voltage	38.000 A @ 208.0 V 36.200 A @ 230.0 V 18.100 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None

## Part detail

Revision	F
Type	AC
Mech. spec.	09C102
Base	
Status	PRD/A
Elec. spec.	09WGT597
Layout	09LYC102
Eff. date	03-19-2024
CD Diagram	CD0005
Poles	04
Leads	9#12
Proprietary	False
Created date	11-11-2020

Heater Indicator	No Heater
High Voltage Full Load Amps	18.1 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0944M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	23.86 IN
Power Factor	84
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1765 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**

**NP3441LUA**

<b>CAT.NO.</b>	CEM2333T						
<b>SPEC</b>	09C102T597G1						
<b>HP</b>	15						
<b>VOLTS</b>	230/460						
<b>AMPS</b>	36.2/18.1						
<b>RPM</b>	1765						
<b>FRAME</b>	254TC	<b>HZ</b>	60	<b>PH</b>	3		
<b>SF</b>	1.15	<b>CODE</b>	H	<b>DES</b>	A	<b>CLASS</b>	F
<b>NEMA NOM. EFF</b>	92.4	<b>PF</b>	84				
<b>RATING</b>	40C AMB-CONT						
<b>CC</b>	010A						
<b>ENCL</b>	TEFC	<b>SER</b>					
<b>DE</b>	6309	<b>ODE</b>	6208				
<b>VPWM INVERTER READY</b>	SFA 41/20.4						
<b>CT6-60H(10:1)VT3-60H(20:1)</b>	50HZ 15HP 190/380V 42.2/21.1A						SF1.0

**AC Induction Motor Performance Data**

Record # 93306

Typical performance - not guaranteed values

<b>Winding: 09WGT597-R001</b>		<b>Type: 0944M</b>		<b>Enclosure: TEFC</b>	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	15	<b>Full Load Torque</b>	44.59 LB-FT		
<b>Volts</b>	230/460	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	36.2/18.1	<b>Breakdown Torque</b>	151 LB-FT		
<b>R.P.M.</b>	1765	<b>Pull-up Torque</b>	76.5 LB-FT		
<b>Hz</b>	60 <b>Phase</b>	3	<b>Locked-rotor Torque</b>	84.9 LB-FT	
<b>NEMA Design Code</b>	A <b>KVA Code</b>	H	<b>Starting Current</b>	131 A	
<b>Service Factor (S.F.)</b>	1.15	<b>No-load Current</b>	7.72 A		
<b>NEMA Nom. Eff.</b>	92.4 <b>Power Factor</b>	84	<b>Line-line Res. @ 25°C</b>	0.61892 Ω	
<b>Rating - Duty</b>	40C AMB-CONT	<b>Temp. Rise @ Rated Load</b>	50°C		
<b>S.F. Amps</b>	41/20.4	<b>Temp. Rise @ S.F. Load</b>	61°C		
		<b>Locked-rotor Power Factor</b>	33.3		

**Load Characteristics 460 V, 60 Hz, 15 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>	46	68	78	83	85	86	84
<b>Efficiency</b>	87.5	91.8	92.6	92.4	91.8	90.8	92
<b>Speed</b>	1791.8	1784.7	1777	1768.8	1759.2	1749.3	1763
<b>Line amperes</b>	8.82	11.3	14.6	18.3	22.4	26.9	20.8

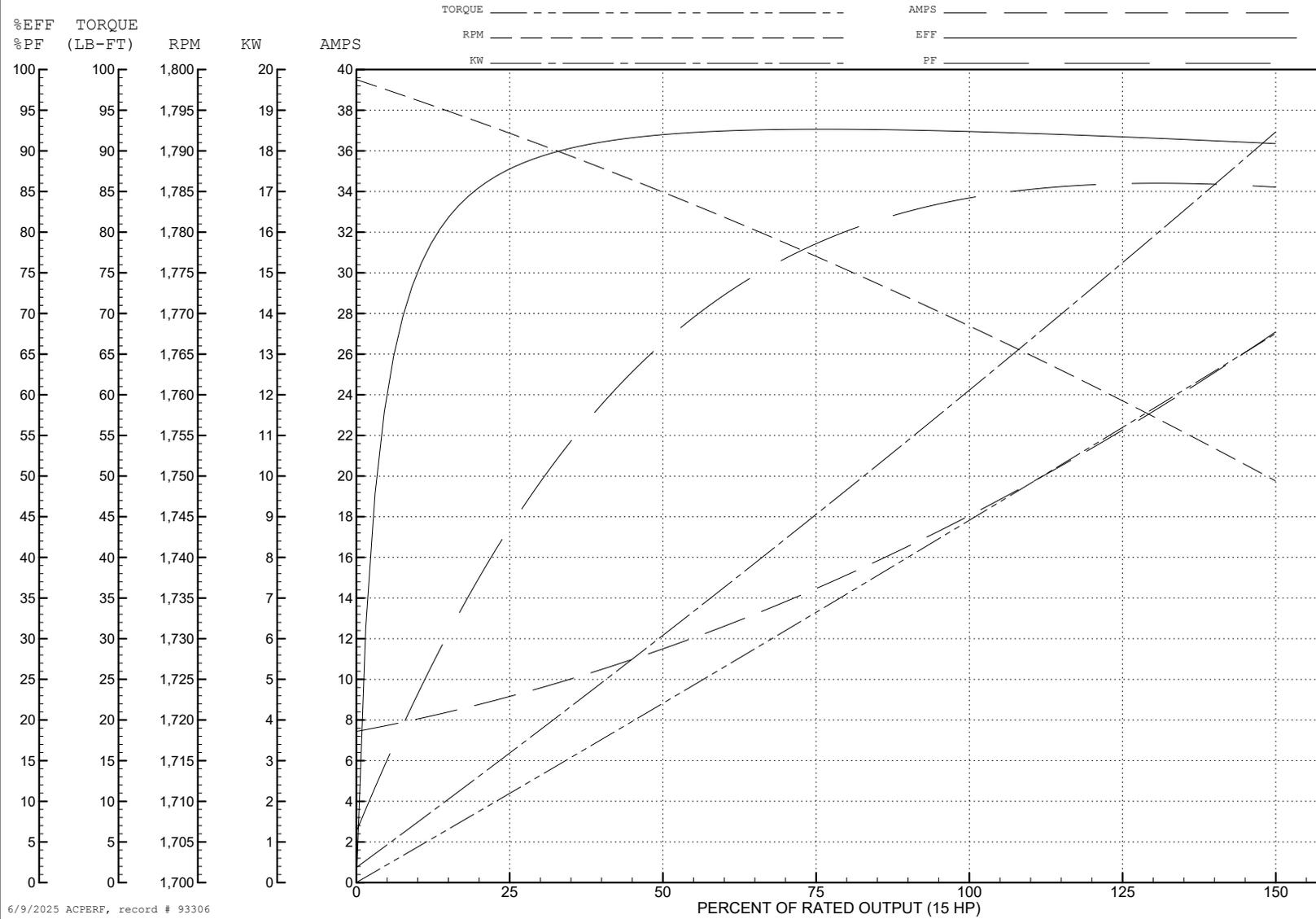
ABB Motors and Mechanical Inc.

WINDING # 09WGT597

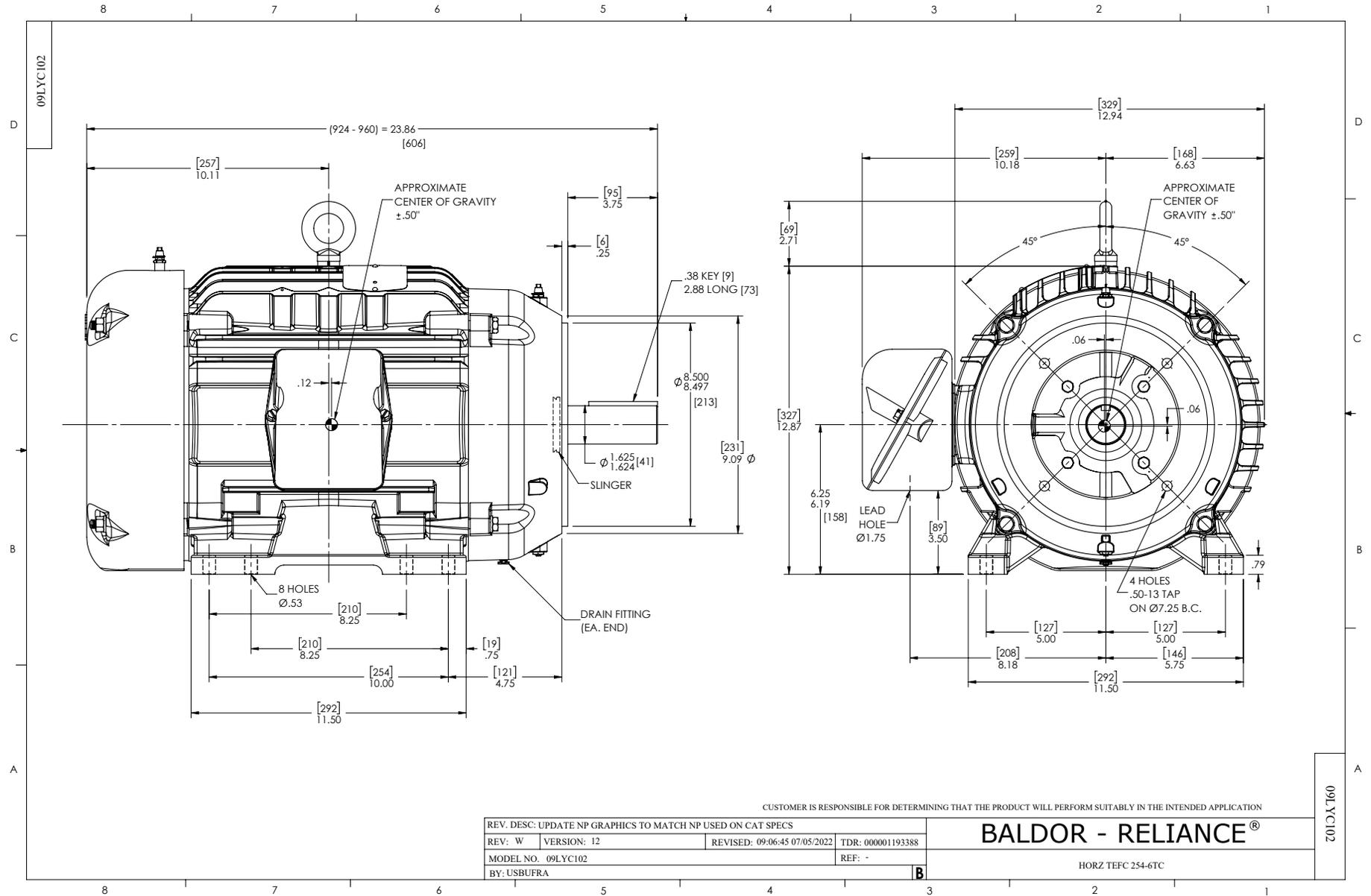
Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1765 RPM 460 V 0944M

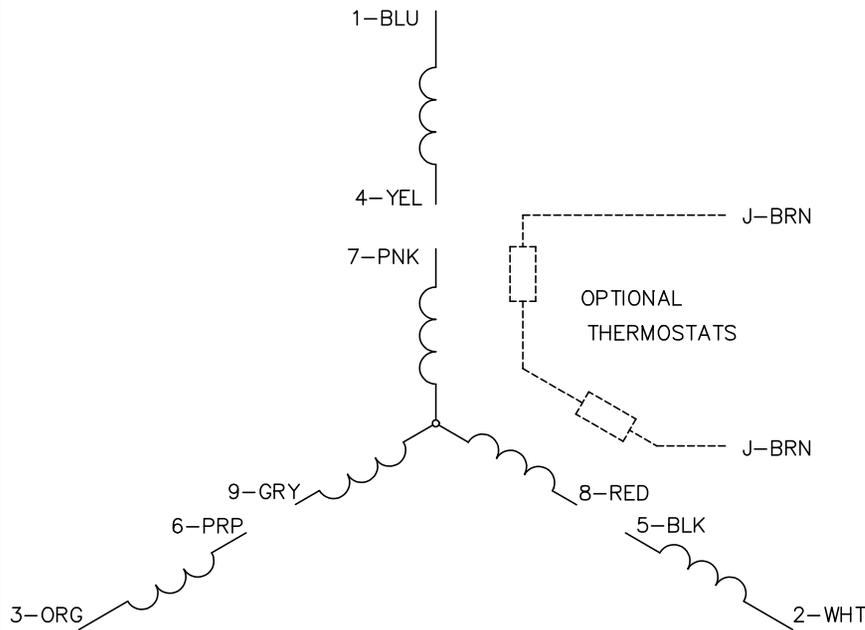
TORQUES (LB-FT): PO=151 PU=76.5 LR=84.9 LRA=131



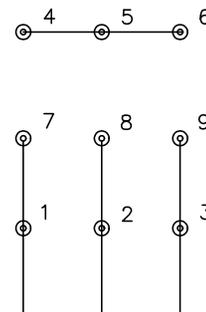
6/9/2025 ACPERF, record # 93306



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