BALDOR • RELIANCE

Product Information Packet

CEM2333T-5

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

Part Detail

Revision:	V	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	09WGT124	**CD Diagram:**	CD0006	**Mfg Plant:**	
Mech. Spec:	09C102	**Layout:**	09LYC102	**Poles:**	04	**Created Date:**	10-23-2015
Base:	RG	**Eff. Date:**	02-21-2022	**Leads:**	3#12		

Specs

Catalog Number:	CEM2333T-5	**Insulation Class:**	F
Enclosure:	TEFC	**Inverter Code:**	Inverter Ready
Frame:	254TC	**KVA Code:**	H
Frame Material:	Iron	**Lifting Lugs:**	Standard Lifting Lugs
Motor Letter Type:	Three Phase	**Locked Bearing Indicator:**	Locked Bearing
Output @ Frequency:	15.000 HP @ 60 HZ	**Motor Lead Quantity/Wire Size:**	3 @ 12 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Motor Lead Exit:**	Ko Box
Voltage @ Frequency:	575.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
XP Class and Group:	None	**Motor Type:**	0944M
XP Division:	Not Applicable	**Mounting Arrangement:**	F1
Agency Approvals:	CSA	**Power Factor:**	83
	CSA EEV	**Product Family:**	General Purpose
	UR	**Pulley End Bearing Type:**	Ball
Auxillary Box:	No Auxillary Box	**Pulley Face Code:**	C-Face
Auxillary Box Lead Termination:	None	**Pulley Shaft Indicator:**	Standard
Base Indicator:	Rigid	**Rodent Screen:**	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	**Shaft Extension Location:**	Pulley End
Blower:	None	**Shaft Ground Indicator:**	No Shaft Grounding

Current @ Voltage:	14.600 A @ 575.0 V
Design Code:	A
Drip Cover:	No Drip Cover
Duty Rating:	CONT
Electrically Isolated Bearing:	Not Electrically Isolated
Feedback Device:	NO FEEDBACK
Front Face Code:	Standard
Front Shaft Indicator:	None
Heater Indicator:	No Heater

Shaft Rotation:	Reversible
Shaft Slinger Indicator:	Shaft Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
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 NP3441L

CAT.NO.	CEM2333T-5								
SPEC.	09C102T124G1								
HP	15								
VOLTS	575								
AMP	14.6								
RPM	1765								
FRAME	254TC		**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	H	**DES**	A	**CL**	F		
NEMA-NOM-EFF	92.4	**PF**	83						
RATING	40C AMB-CONT								
CC	010A			**USABLE AT 208V**					
DE	6309		**ODE**	6208					
ENCL	TEFC	**SN**							
VPWM INVERTER READY									
CT6-60H(10:1)VT3-60H(20:1									
	SFA 16.7								

AC Induction Motor Performance Data
Record # 47378
Typical performance - not guaranteed values

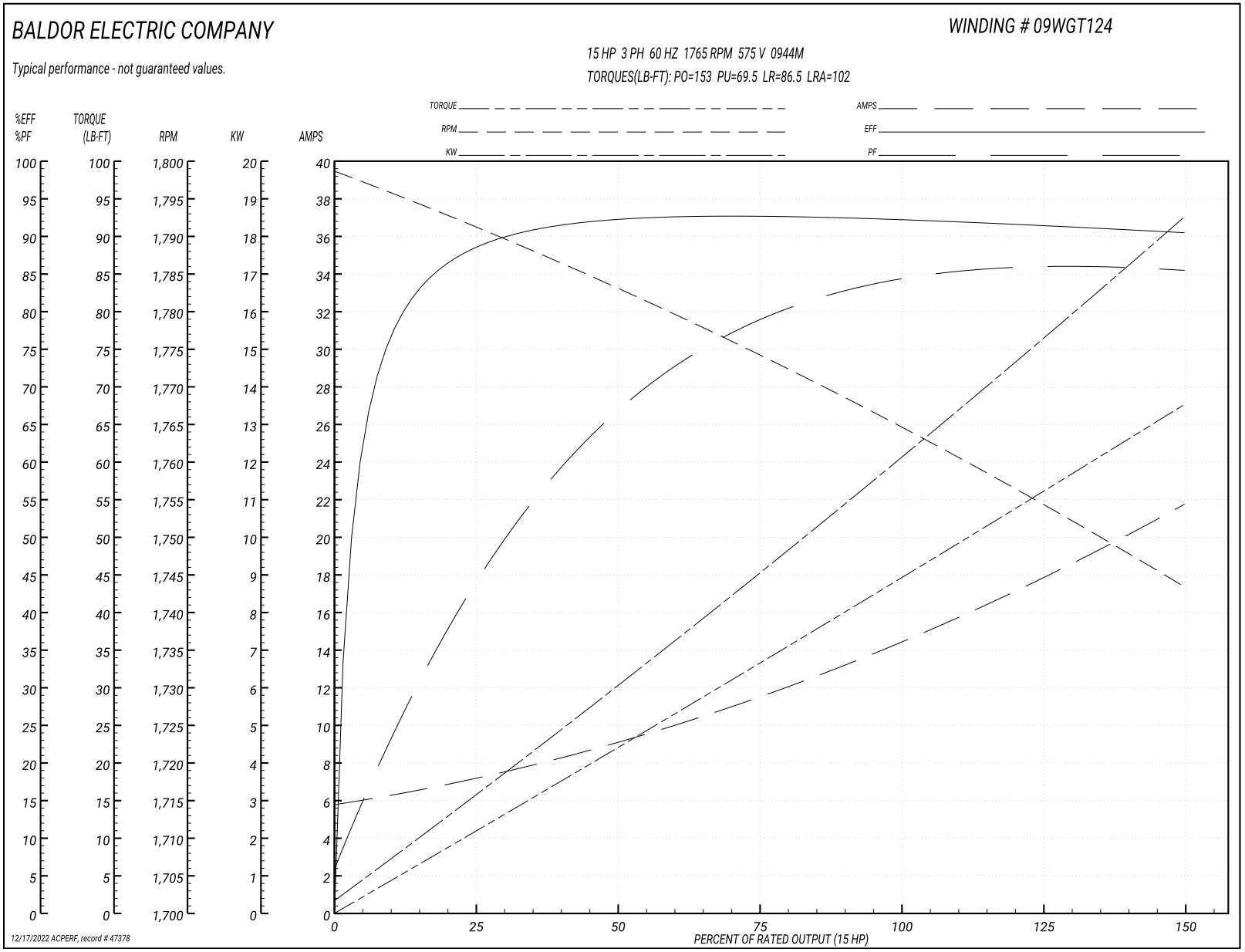
Winding: 09WGT124-R001	**Type:** 0944M	**Enclosure:** TEFC

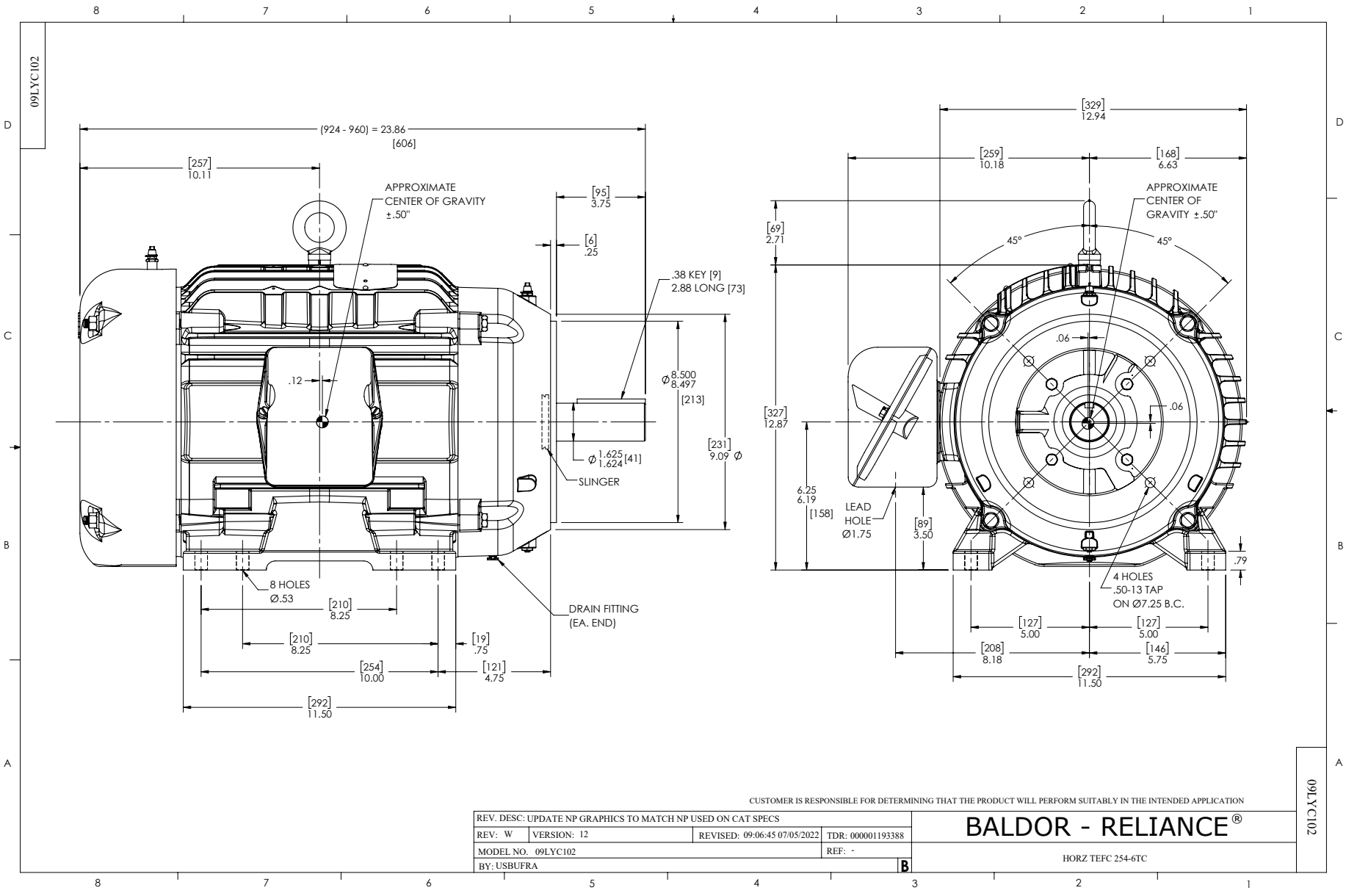
Nameplate Data			**575 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)		15	**Full Load Torque**	44.5 LB-FT
Volts		575	**Start Configuration**	direct on line
Full Load Amps		14.6	**Breakdown Torque**	153 LB-FT
R.P.M.		1765	**Pull-up Torque**	69.5 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	86.5 LB-FT
NEMA Design Code	A **KVA Code**	H	**Starting Current**	102 A
Service Factor (S.F.)		1.15	**No-load Current**	6.05 A
NEMA Nom. Eff.	92.4 **Power Factor**	83	**Line-line Res. @ 25ºC**	0.874 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	54°C
S.F. Amps			**Temp. Rise @ S.F. Load**	66°C
			Locked-rotor Power Factor	33.1
			Rotor inertia	1.92 lb-ft²

Load Characteristics 575 V, 60 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	45	69	78	83	85	87	86
Efficiency	88.1	92.3	92.6	92.4	91.5	90.5	92.2
Speed	1791	1783	1774	1765	1755	1743	1769
Line amperes	6.9	8.8	11.6	14.6	18.1	21.5	16.3

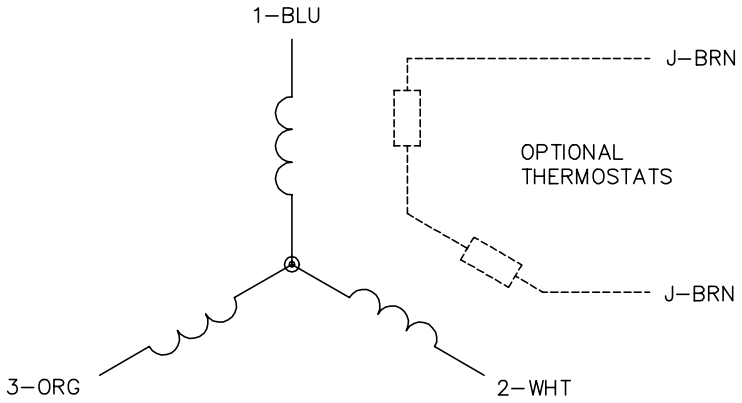
Performance Graph at 575V, 60Hz, 15.0HP Typical performance - Not guaranteed values

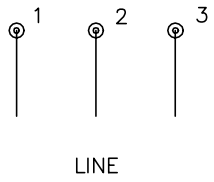



09LYC102
(924 - 960) = 23.86
[606]
[257]
10.11
APPROXIMATE
CENTER OF GRAVITY
±.50"
[95]
3.75
[6]
.25
.38 KEY [9]
2.88 LONG [73]
.12
Ø 8.500
8.497
[213]
[231]
9.09 Ø
Ø 1.625
1.624 [41]
SLINGER
8 HOLES
Ø.53
[210]
8.25
[210]
8.25
[19]
.75
[254]
10.00
[121]
4.75
[292]
11.50
DRAIN FITTING
(EA. END)
[329]
12.94
[259]
10.18
[168]
6.63
APPROXIMATE
CENTER OF
GRAVITY ±.50"
[69]
2.71
45°
45°
.06
.06
[327]
12.87
6.25
6.19
[158]
LEAD
HOLE
Ø1.75
[89]
3.50
.79
4 HOLES
.50-13 TAP
ON Ø7.25 B.C.
[127]
5.00
[127]
5.00
[208]
8.18
[146]
5.75
[292]
11.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE NP GRAPHICS TO MATCH NP USED ON CAT SPECS
REV: W
VERSION: 12
REVISED: 09:06:45 07/05/2022
TDR: 000001193388
MODEL NO. 09LYC102
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
HORZ TEFC 254-6TC
09LYC102

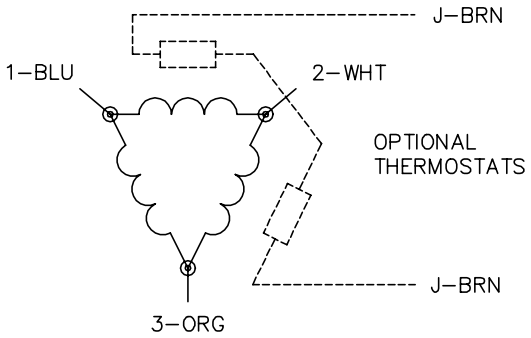
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



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

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

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

SH 1 of 1