

ABB BALDOR RELIANCE III

Customer information packet

ECP2401T-4

7.5HP, 880RPM, 3PH, 60HZ, 256T, 0960M, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	256T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	7.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CSA EEV NEMA PREMIUM NEMA_PREMIUM UR CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	1.3
Current @ Voltage	12.100 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	S
Type	AC
Mech. spec.	09J371
Base	
Status	PRD/A
Elec. spec.	09WGT416
Layout	09LYJ371
Eff. date	09-16-2025
CD Diagram	CD0006
Poles	08
Leads	3#12
Proprietary	False
Created date	02-03-2017

Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	12.1 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1350 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0960M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	24.78 IN
Power Factor	67
Product Family	Super-E Chemical Processing
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	880 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

NP3995ABBL

CAT #	ECP2401T-4		SER			CC	010A				
SPEC	09J371T416G1		RATING	40C AMB-CONT							
HZ	VOLTS		AMPS	RPM	HP	CODE	SF	DES	PF	NEMA NOM. EFF	
60	460		12.1	880	7.5	J	1.15	A	67	%	86.5
										%	%
PH	3	CL	F	MAX RPM	1350	MAX CORR KVAR	5.09	USABLE AT 208V		N/A	
IP55		FR	256T	ENCL	TEFC	DE BRG	6309	ODE BRG	6309		
GREASE	POLYREX EM				MTR WT	347	LBS				
USABLE AT	50HZ 5HP 380V 10.5A				SF1.0						
CL I DIV 2 GRPS A,B,C,D				CL I ZONE 2 GRPS			IIA,IIB,IIC		TEMP T	160	C
1.0 SF ON PWM INVERTER			POWER	INV TEMP CL	180	C					
CHP	60-90	HZ	1.5:1	CT	1.3-60	HZ	50:1	VT	0-60	HZ	1000:1
SPACE HEATER LEADS H1-H2:				TIE LIKE NUMBERS		TOGETHER					
V		A		W		MAX SPACE HEATER TEMP					

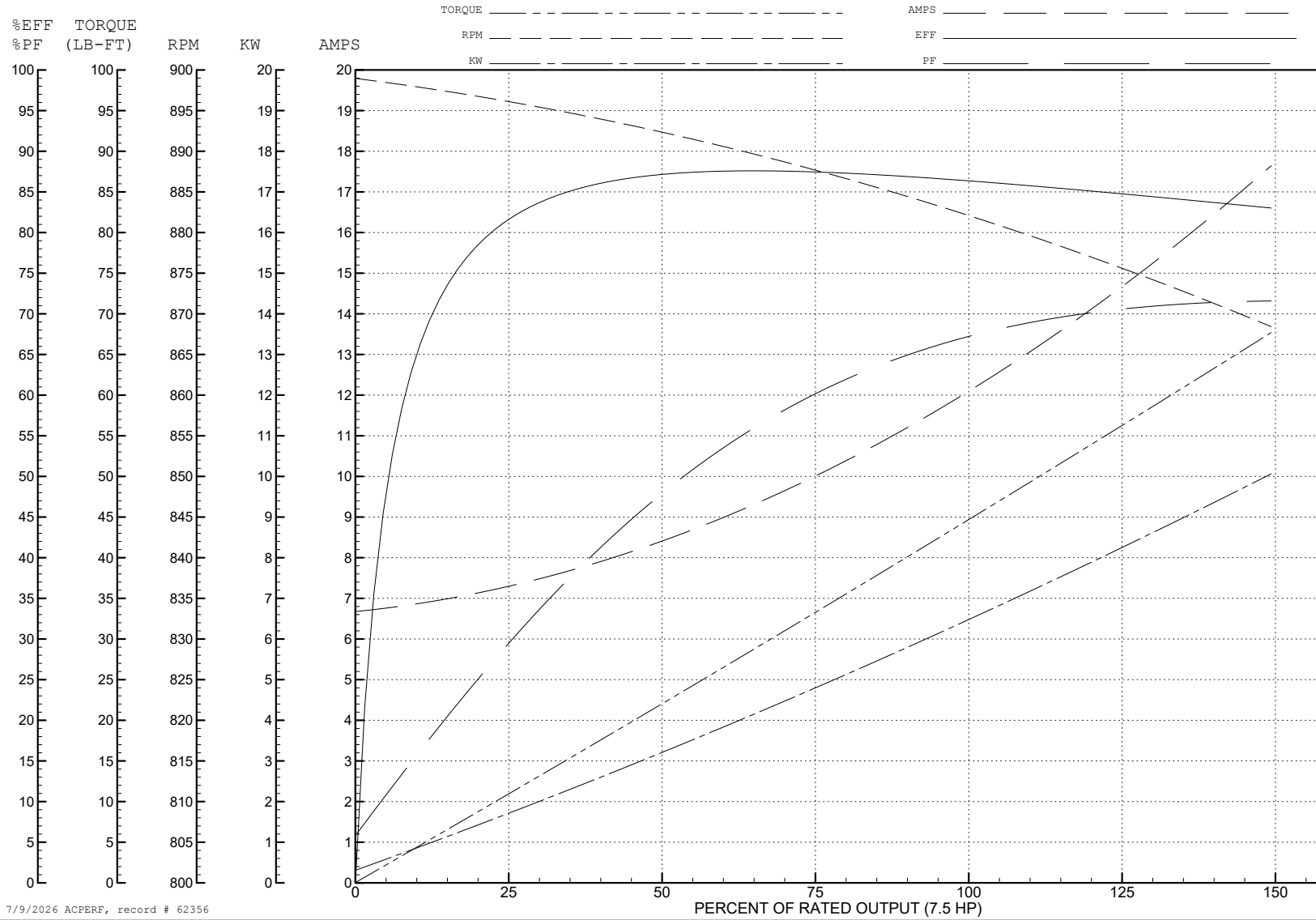
ABB Motors and Mechanical Inc.

WINDING # 09WGT416

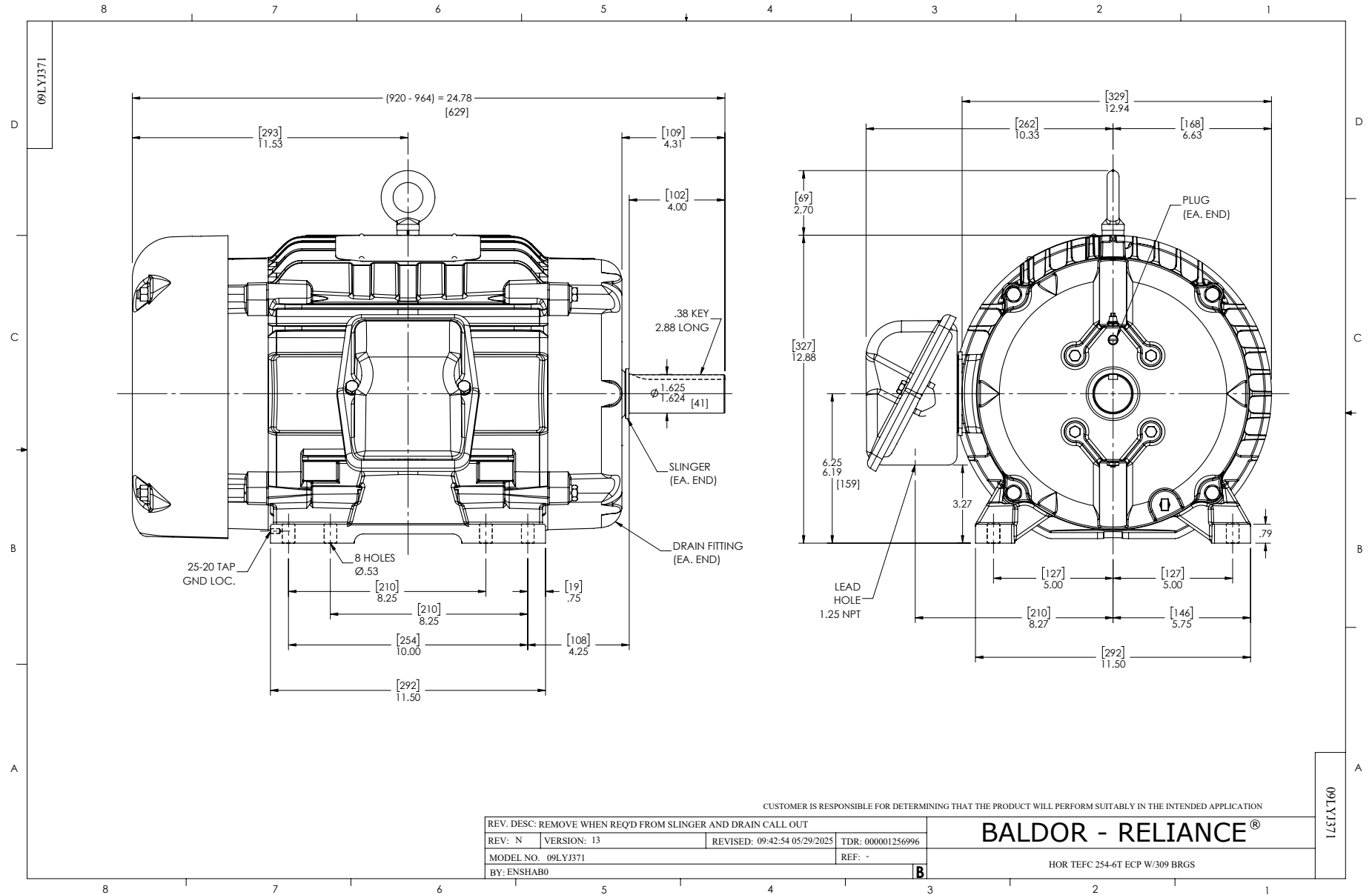
Typical performance - not guaranteed values.

7.5 HP 3 PH 60 HZ 880 RPM 460 V 0960M

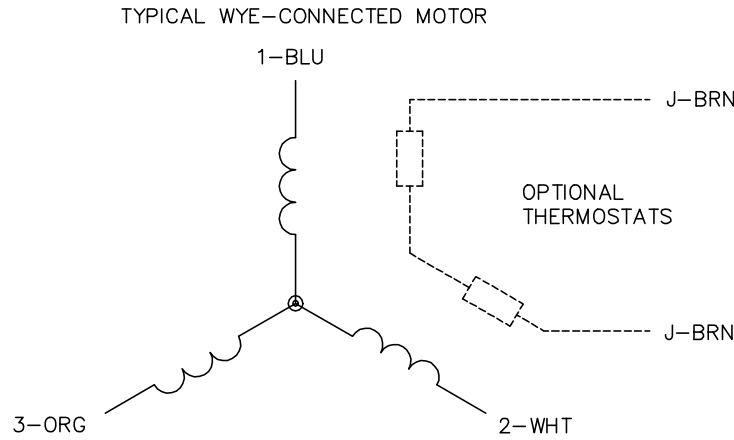
TORQUES (LB-FT): PO=105 PU=58 LR=95.1 LRA=68.6



7/9/2026 ACPERF, record # 62356



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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BALDOR - RELIANCE®

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

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