

ABB BALDOR RELIANCE III

Customer information packet

ECTM4111T-5G

25HP, 1180RPM, 3PH, 60HZ, 324T, 1260M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	324T
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	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CSA EEV NEMA PREMIUM NEMA_PREMIUM UR
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
Current @ Voltage	25.700 A @ 575.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	Tapped & Key
Heater Indicator	Heater Included, 115 V
High Voltage Full Load Amps	25.7 a
Insulation Class	F

Part Detail

Revision	E
Type	AC
Mech. spec.	12T112
Base	
Status	PRD/A
Elec. spec.	12WGY448
Layout	12LYT112
Eff. date	03-17-2026
CD Diagram	CD0006
Poles	06
Leads	3#10 Y
Proprietary	False
Created date	04-19-2022

Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	3 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1260M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	30.34 IN
Power Factor	79
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	2.125 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1180 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

NP1260									
CAT.NO.	ECTM4111T-5G								
SPEC.	12T112Y448G1								
HP	25								
VOLTS	575								
AMP	25.7								
RPM	1180								
FRAME	324T		HZ	60		PH		3	
SER.F.	1.15		CODE	H	DES	A		CL	F
NEMA-NOM-EFF	93		PF	79					
RATING	40C AMB-CONT								
CC	010A								
DE	6312		ODE	6311					
ENCL	TEFC		SN						
	INV DUTY 20:1VT								

AC Induction Motor Performance Data

Record # 34376

Typical performance - not guaranteed values

Winding: 12WGY448-R001			Type: 1260M		Enclosure: TEFC		
Nameplate Data			575 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		25	Full Load Torque		111 LB-FT		
Volts		575	Start Configuration		direct on line		
Full Load Amps		25.7	Breakdown Torque		314 LB-FT		
R.P.M.		1180	Pull-up Torque		119 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		174 LB-FT	
NEMA Design Code		A	KVA Code	H	Starting Current		162 A
Service Factor (S.F.)		1.15		No-load Current		11.3 A	
NEMA Nom. Eff.		93	Power Factor	79	Line-line Res. @ 25°C		0.43 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		46°C	
S.F. Amps				Temp. Rise @ S.F. Load		56°C	
				Locked-rotor Power Factor		28	
				Rotor inertia		11.5 LB-FT2	

Load Characteristics 575 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	64	74	79	81	81	80
Efficiency	87.2	91.9	92.9	93	92.5	91.2	92.6
Speed	1196	1192	1188	1184	1180	1173	1182
Line amperes	12.8	16	20.5	25.7	31.4	39.3	29.1

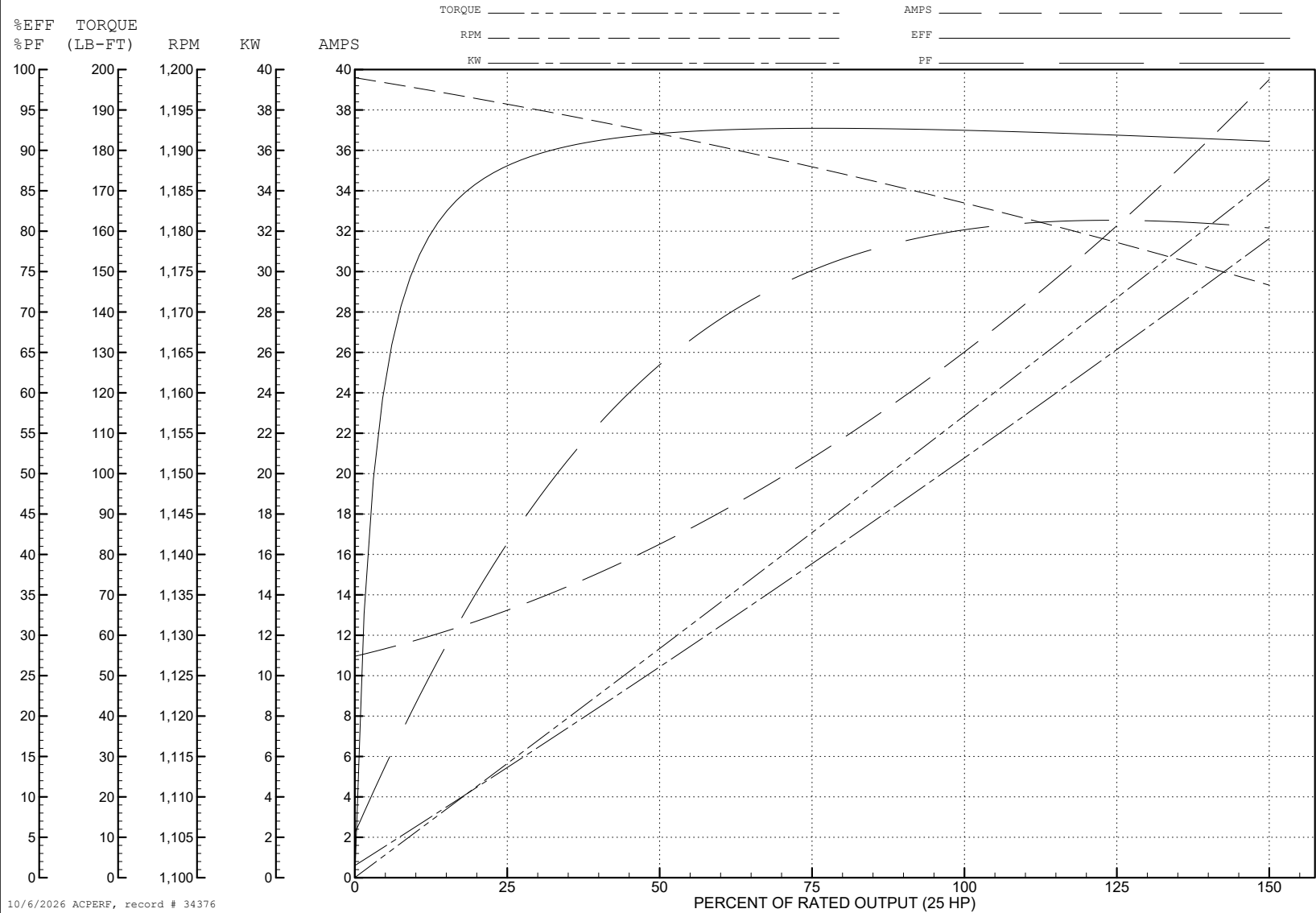
ABB Motors and Mechanical Inc.

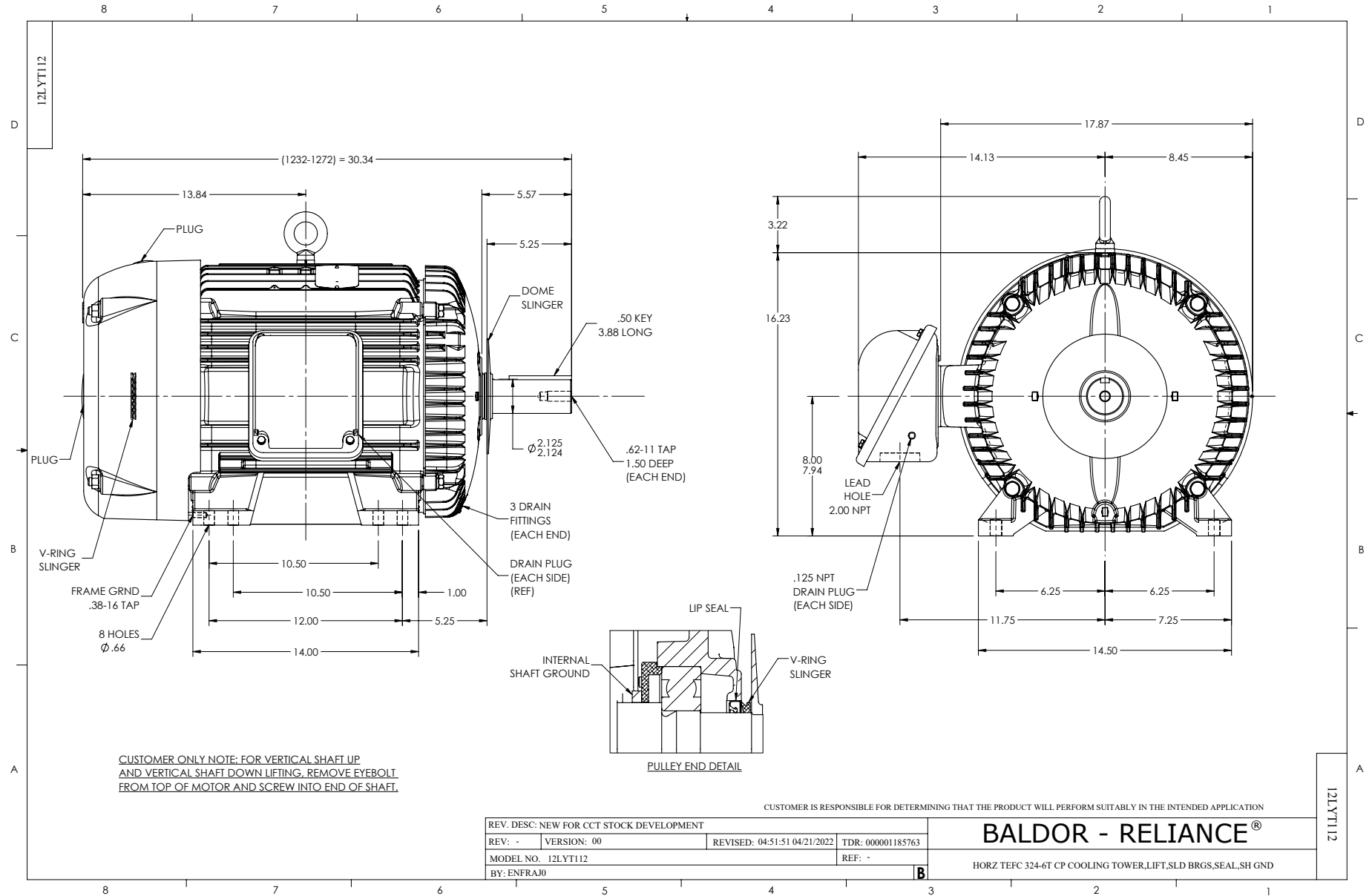
WINDING # 12WGY448

Typical performance - not guaranteed values.

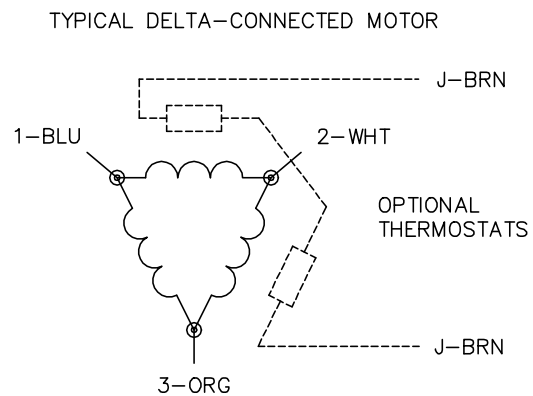
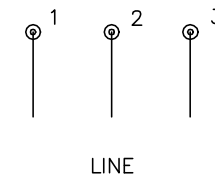
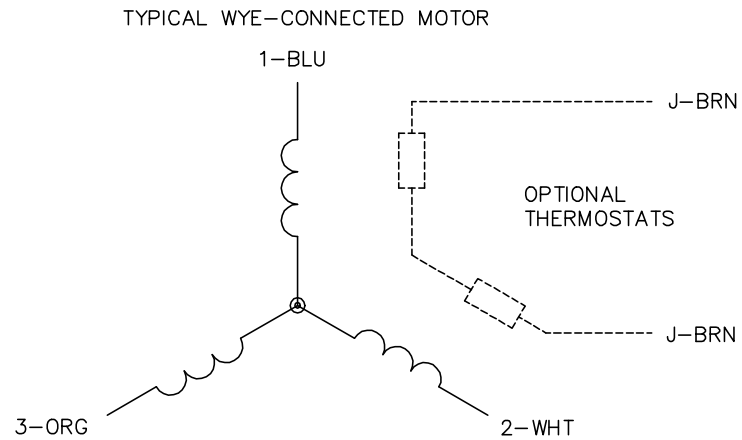
25 HP 3 PH 60 HZ 1180 RPM 575 V 1260M

TORQUES (LB-FT): PO=314 PU=119 LR=174 LRA=162





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

REV. DESC: ADD CLASS CONN00000007

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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