

ABB BALDOR RELIANCE III

Customer information packet

CEM7063T-I-5

25HP, 3520RPM, 3PH, 60HZ, 284TSC, 1048M, XPFC

Class - CLI GP C,D

Division - Division I

Specifications

Enclosure	XPFC
Frame	284TSC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	UL CSA CSA EEV 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	23.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater

Part Detail

Revision	T
Type	AC
Mech. spec.	10G898
Base	
Status	PRD/A
Elec. spec.	10WGZ277
Layout	10LYG898
Eff. date	11-22-2024
CD Diagram	CD0006
Poles	02
Leads	3#10
Proprietary	False
Created date	05-14-2014

High Voltage Full Load Amps	23.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	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	X1048M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	27.23 IN
Power Factor	90
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
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	3520 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

Winding Thermal 2

None

Nameplate

NP0977XPSLEV											
NO.							CC	010A			
SER.							TEMP CODE		T3C		
SPEC.	10G898Z277G1										
CAT.NO.	CEM7063T-I-5										
HP	25 NEMA MG-1 PT.5,IP55										
VOLTS	575										
AMPS	23										
RPM	3520				MOTOR WEIGHT				525		
HERTZ	60	PH	3	CL	F	DE BRG	6311				
SER.F.	1.15	DES	B	CODE		F	ODE BRG		6309		
FRAME	284TSC		GREASE		POLYREX EM						
RATING	40C AMB-CONT										
					NEMA-NOM-EFF			91.7		PF	90
	55C AMB @ 1.0 SF,60C RISE										

AC Induction Motor Performance Data

Record # 45929

Typical performance - not guaranteed values

Winding: 10WGZ277-R002				Type: 1048M		Enclosure: XPFC		
Nameplate Data				575 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		25		Full Load Torque		37.4 LB-FT		
Volts		575		Start Configuration		direct on line		
Full Load Amps		23		Breakdown Torque		101 LB-FT		
R.P.M.		3520		Pull-up Torque		41.3 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		53 LB-FT		
NEMA Design Code		B		KVA Code	F		Starting Current	134 A
Service Factor (S.F.)		1.15		No-load Current		5.48 A		
NEMA Nom. Eff.		91.7	Power Factor	90	Line-line Res. @ 25°C		0.46 Ω	
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load		57°C
S.F. Amps						Temp. Rise @ S.F. Load		71°C
						Locked-rotor Power Factor		23
						Rotor inertia		2.06 LB-FT2

Load Characteristics 575 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	69	83	88	90	90	90	90
Efficiency	87.9	91.6	92.3	91.8	91	89.8	91.3
Speed	3580	3563	3542	3520	3496	3468	3506
Line amperes	8.03	12.3	17.4	22.7	28.5	34.9	26.2

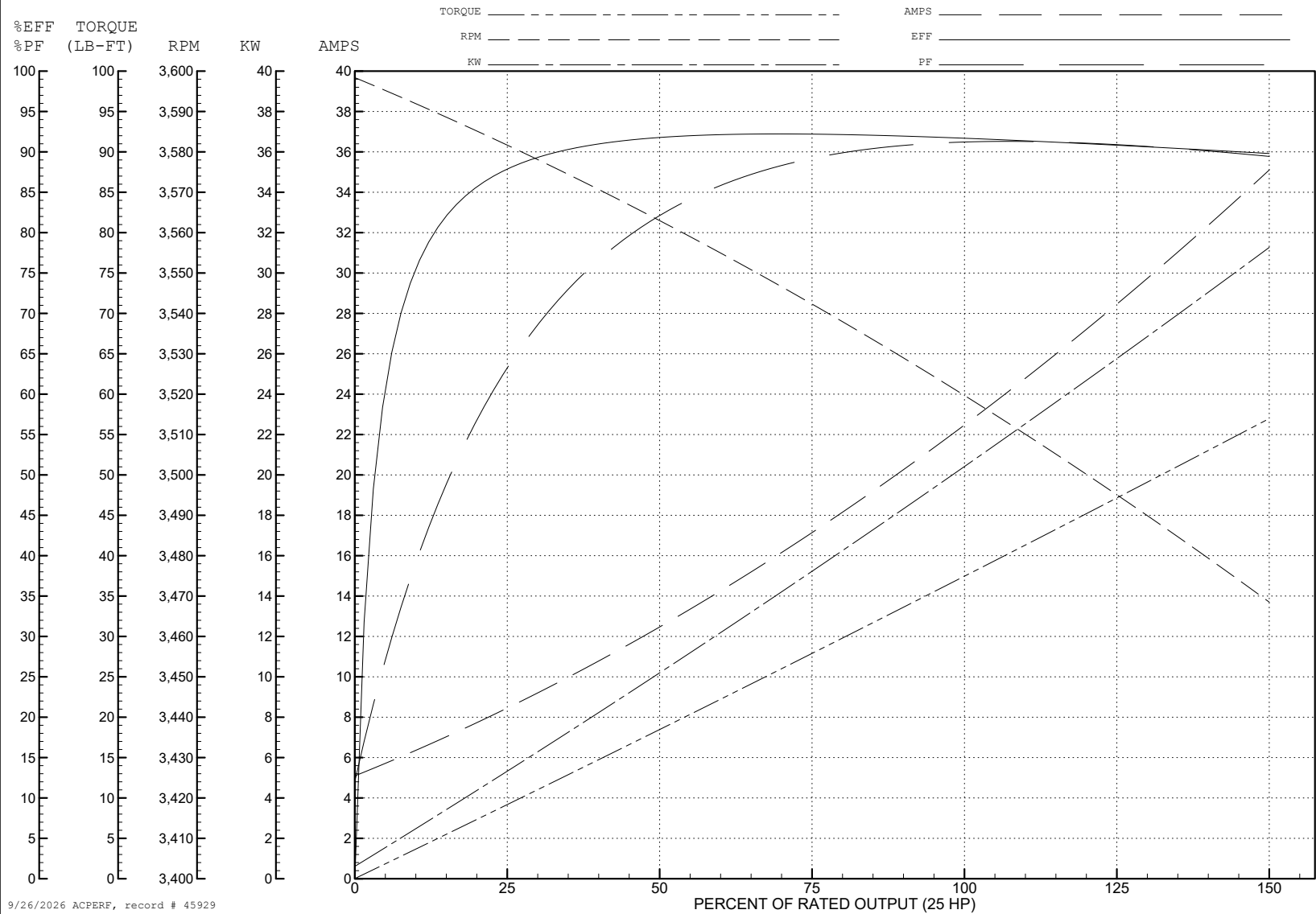
ABB Motors and Mechanical Inc.

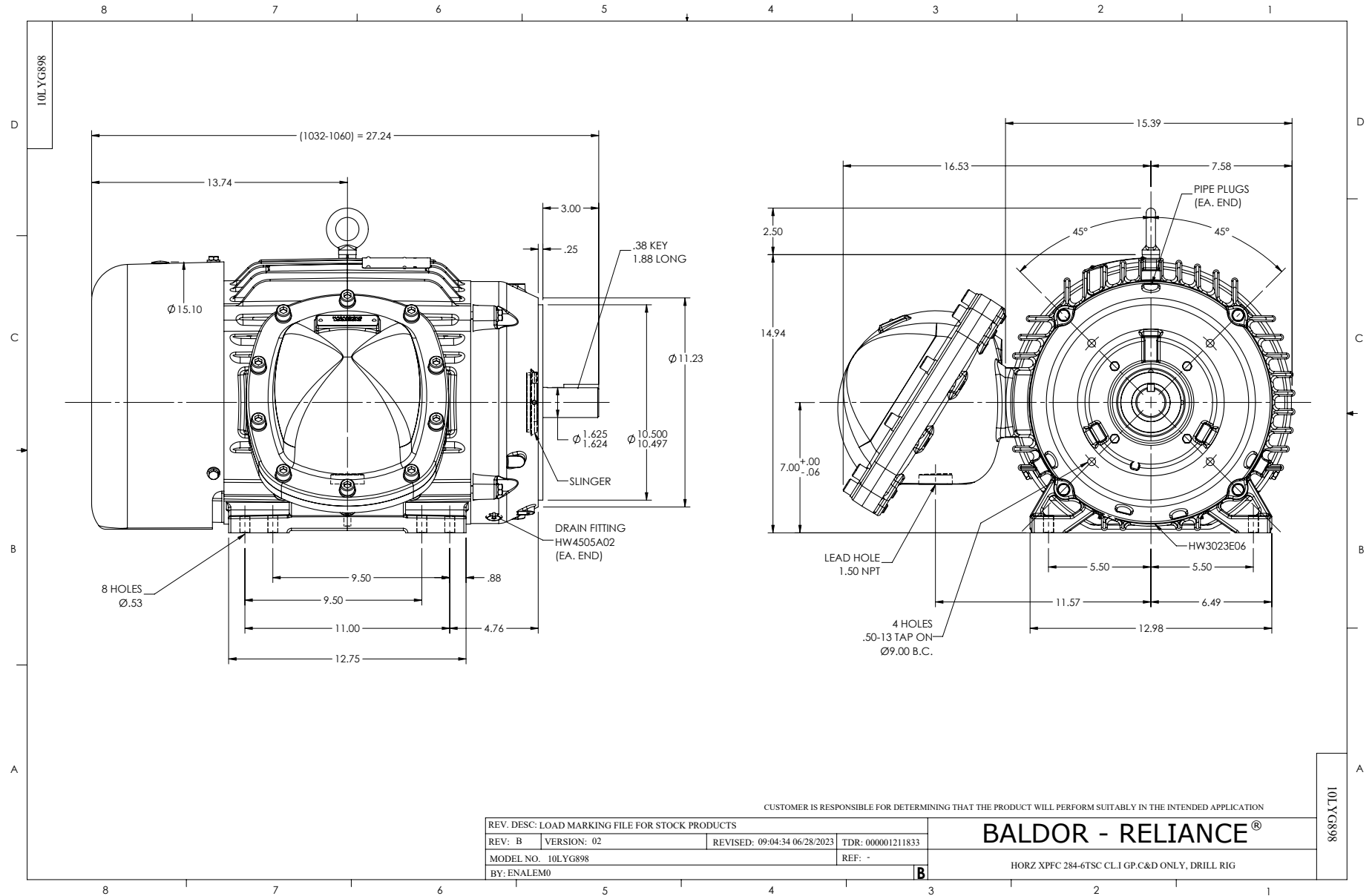
WINDING # 10WGZ277

Typical performance - not guaranteed values.

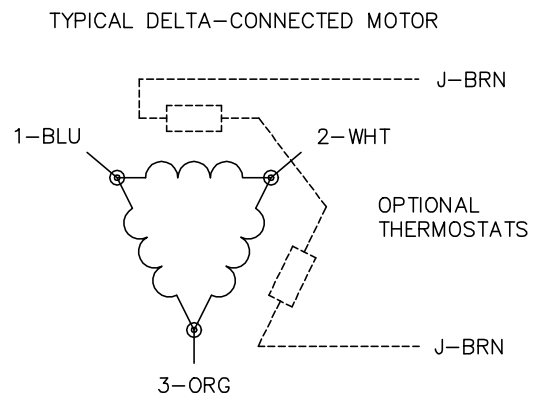
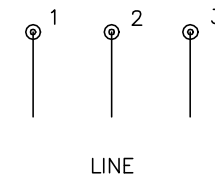
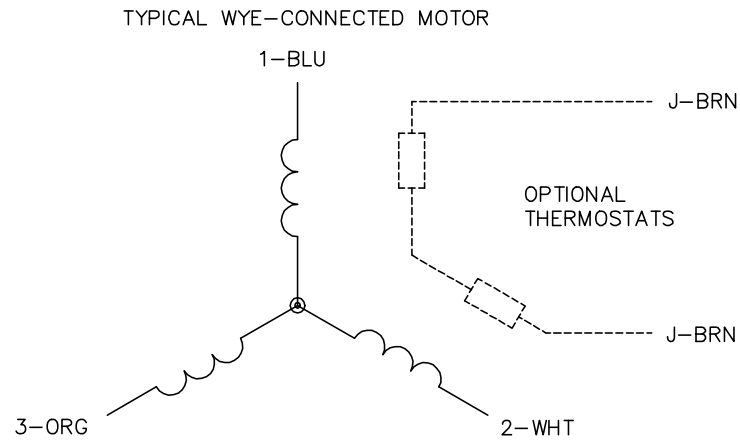
25 HP 3 PH 60 HZ 3520 RPM 575 V 1048M

TORQUES (LB-FT): PO=101 PU=41.3 LR=53 LRA=134





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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