

ABB BALDOR RELIANCE III

Customer information packet

CECP3661T-5

3HP, 1760RPM, 3PH, 60HZ, 182TC, 0628M, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	182TC
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	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 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	3.200 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	P
Type	AC
Mech. spec.	06H482
Base	
Status	PRD/A
Elec. spec.	06WGW358
Layout	06LYH482
Eff. date	06-08-2023
CD Diagram	CD0006
Poles	04
Leads	3#16
Proprietary	False
Created date	04-20-2010

Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	3.2 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	6000 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0628M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.68 IN
Power Factor	80
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1760 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

NP3257									
CAT.NO.	CECP3661T-5								
SPEC.	06H482W358G1								
HP	3 TE								
VOLTS	575								
AMP	3.2								
RPM	1760								
FRAME	182TC	HZ	60			PH	3		
SER.F.	1.15	CODE	H	DES	B	CL	F		
RATING	40C AMB-CONT								
SN									
DE	6206	ODE	6206						
NEMA-NOM-EFF	89.5	PF	80						
G.MIN.EFF	87.5	CC	010A						
T. CODE	T3C	T=	160						

NP3260			
SPEC.	06H482W358G1		
D.E. BRG.	30BC02XP30X		
O.D.E. BRG.	30BC02XP30X		
GREASE	POLYREX EM		
RPM MAX	6000	MAX. KVAR	0.66
BLANK	CECP3661T-5		
INV.TYPE	PWM		
T=	160		
C HP FR	60	C HP TO	90
CT HZ FROM	1.3	CT HZ TO	60
VT HZ FROM	-0	VT HZ TO	60
HTR-VOLTS		HTR-AMPS	
HTR-WATTS		MAX. SPACE HEATER TEMP.	

AC Induction Motor Performance Data

Record # 20661

Typical performance - not guaranteed values

Winding: 06WGW358-R002				Type: 0628M		Enclosure: TEFC		
Nameplate Data				575 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		3		Full Load Torque		9 LB-FT		
Volts		575		Start Configuration		direct on line		
Full Load Amps		3.2		Breakdown Torque		31 LB-FT		
R.P.M.		1760		Pull-up Torque		16.5 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		22 LB-FT		
NEMA Design Code		B		KVA Code	H		Starting Current	26 A
Service Factor (S.F.)		1.15		No-load Current		1.8 A		
NEMA Nom. Eff.		89.5		Power Factor	80		Line-line Res. @ 25°C	6.6 Ω
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load		41°C
						Locked-rotor Power Factor		44
						Rotor inertia		0.263 LB-FT2

Load Characteristics 575 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	58	71	77	81	83	79
Efficiency	84	89.1	90	89.7	88.7	87.3	89.1
Speed	1788	1778	1767	1756	1743	1729	1748
Line amperes	1.8	2.2	2.7	3.3	3.9	4.6	3.7

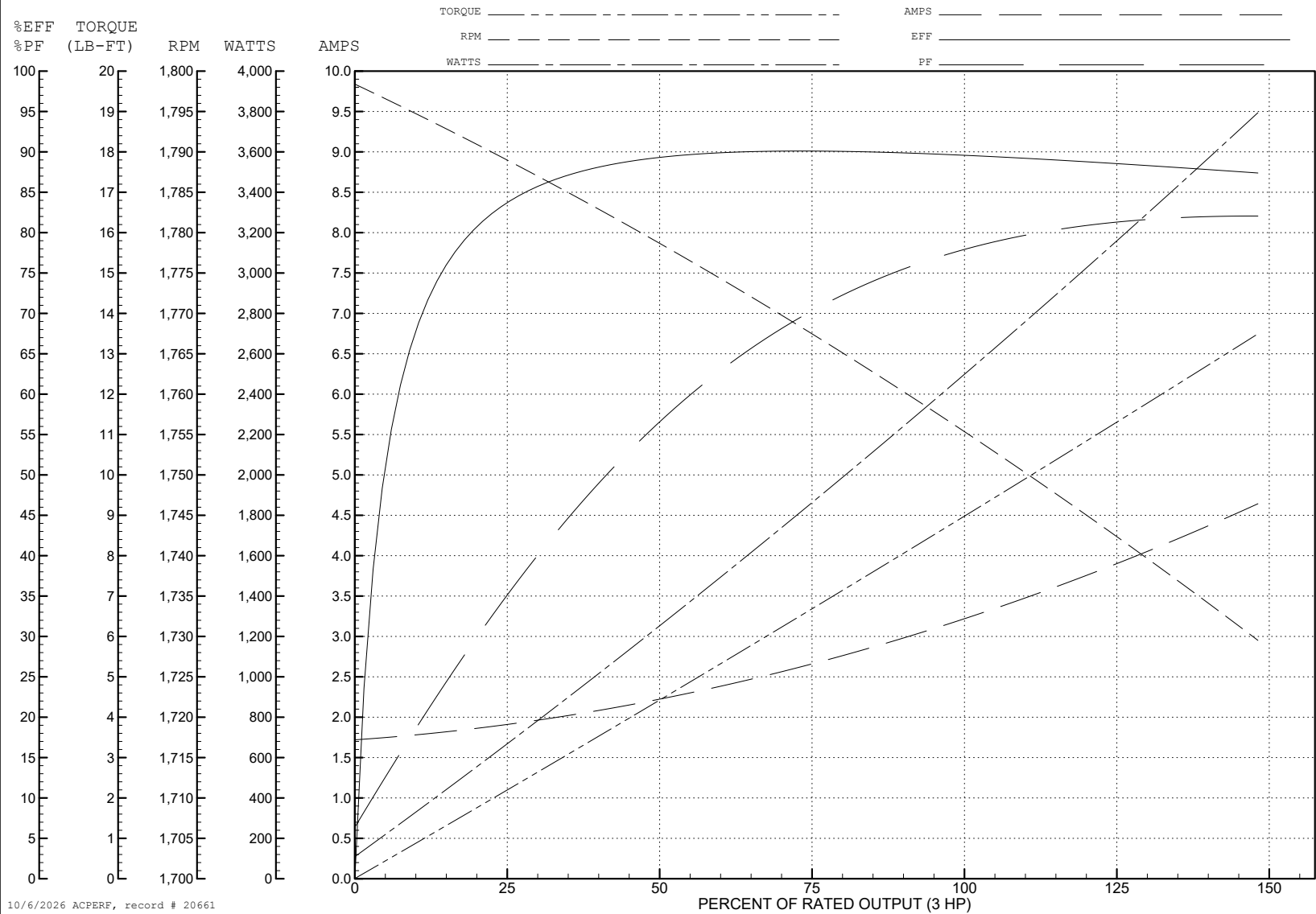
ABB Motors and Mechanical Inc.

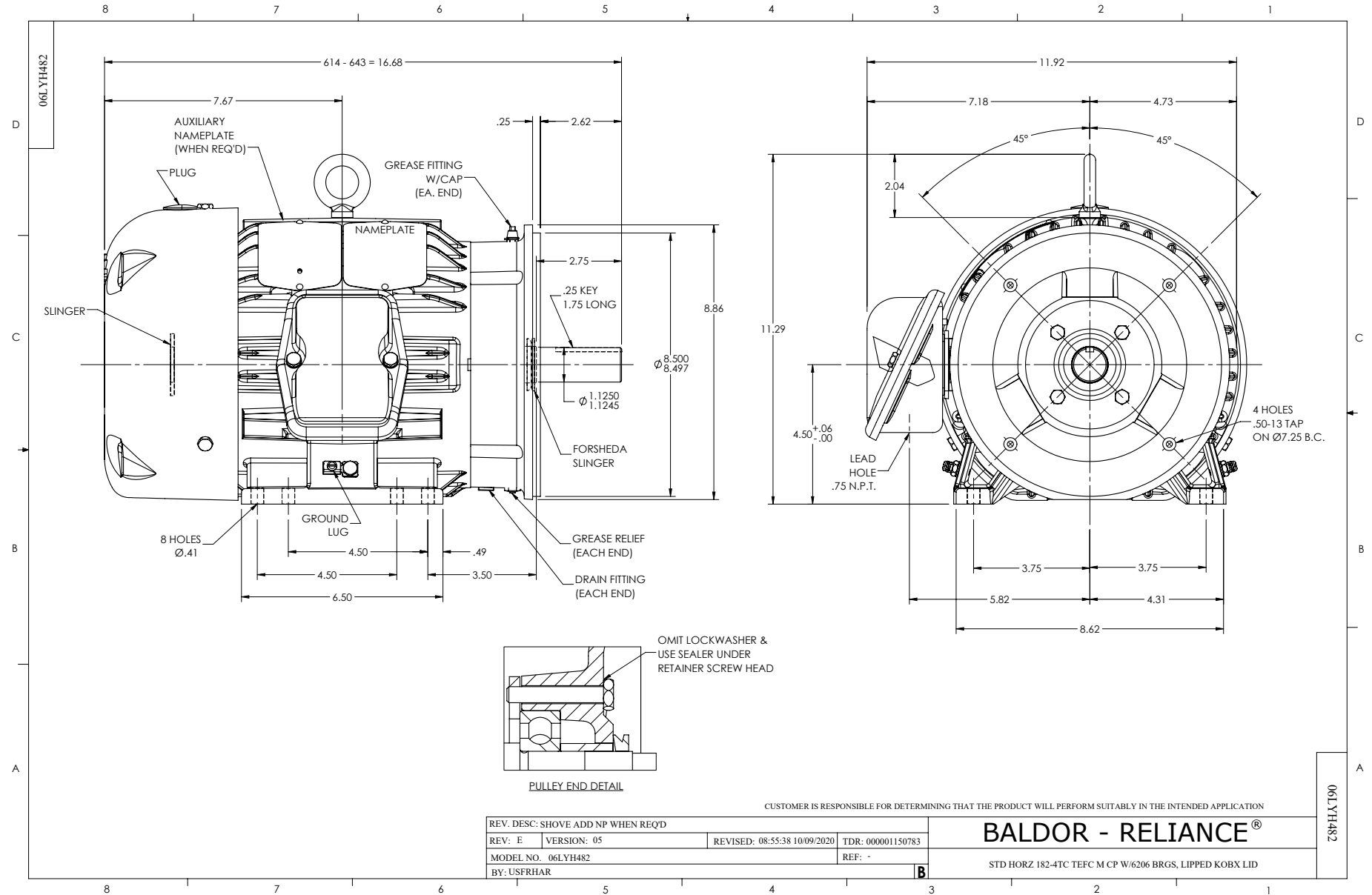
WINDING # 06WGW358

Typical performance - not guaranteed values.

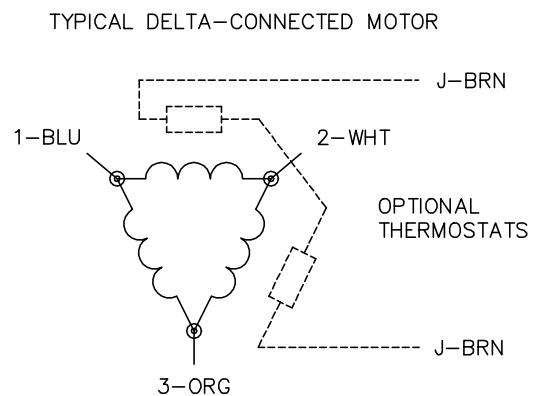
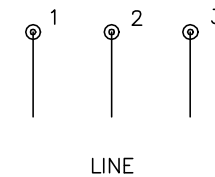
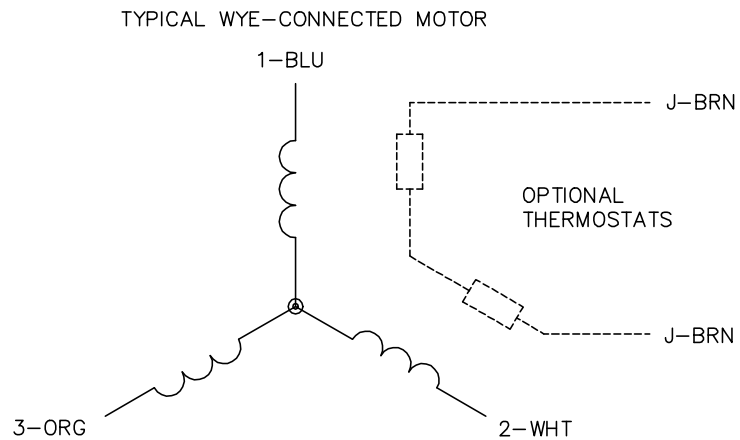
3 HP 3 PH 60 HZ 1760 RPM 575 V 0628M

TORQUES (LB-FT): PO=31 PU=16.5 LR=22 LRA=26





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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