

ABB BALDOR RELIANCE III

Customer information packet

CECP3665T-5

5HP, 1750RPM, 3PH, 60HZ, 184TC, 0642M, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	184TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	5.000 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	6
Current @ Voltage	5.200 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	90.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	Q
Type	AC
Mech. spec.	06H482
Base	
Status	PRD/A
Elec. spec.	06WGW570
Layout	06LYH482
Eff. date	06-08-2023
CD Diagram	CD0006
Poles	04
Leads	3#16
Proprietary	False
Created date	07-01-2010

Front Shaft Indicator	None
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	5.2 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0642M
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
RoHS Status	ROHS COMPLIANT
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	1750 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.	CECP3665T-5								
SPEC.	06H482W570G2								
HP	5 TE								
VOLTS	575								
AMP	5.2								
RPM	1750								
FRAME	184TC	HZ		60		PH		3	
SER.F.	1.15	CODE		K	DES		B	CL	F
RATING	40C AMB-CONT								
SN									
DE	6206	ODE		6206					
NEMA-NOM-EFF	90.2	PF		80					
G.MIN.EFF	88.5	CC	010A						
T. CODE	T3	T=	200						

NP3260			
SPEC.	06H482W570G2		
D.E. BRG.	30BC02XP30X		
O.D.E. BRG.	30BC02XP30X		
GREASE	POLYREX EM		
RPM MAX	2700	MAX. KVAR	1.1
BLANK	CECP3665T-5		
INV.TYPE	PWM		
T=	200		
C HP FR	60	C HP TO	90
CT HZ FROM	6	CT HZ TO	60
VT HZ FROM	6	VT HZ TO	60
HTR-VOLTS		HTR-AMPS	
HTR-WATTS		MAX. SPACE HEATER TEMP.	

AC Induction Motor Performance Data

Record # 85075

Typical performance - not guaranteed values

Winding: 06GW570-R027			Type: 0642M	Enclosure: TEFC	
Nameplate Data			575 V, 60 Hz: Single Voltage Motor		
Rated Output (HP)		5	Full Load Torque		15.01 LB-FT
Volts		575	Start Configuration		direct on line
Full Load Amps		5.2	Breakdown Torque		56.36 LB-FT
R.P.M.		1750	Pull-up Torque		24.26 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	39.79 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	42.68 A
Service Factor (S.F.)		1.15	No-load Current		2.52 A
NEMA Nom. Eff.	90.2	Power Factor	80	Line-line Res. @ 25°C	3.54 Ω
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		38°C
S.F. Amps			Temp. Rise @ S.F. Load		46°C
			Locked-rotor Power Factor		51.9
			Rotor inertia		0.39 lb-ft²

Load Characteristics 575 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	63	75	80	84	85	82
Efficiency	84.9	89.8	90.7	90.4	89.6	88.5	90
Speed	1787	1776	1765	1752	1739	1726	1744
Line amperes	2.82	3.33	4.15	5.16	6.17	7.39	5.8

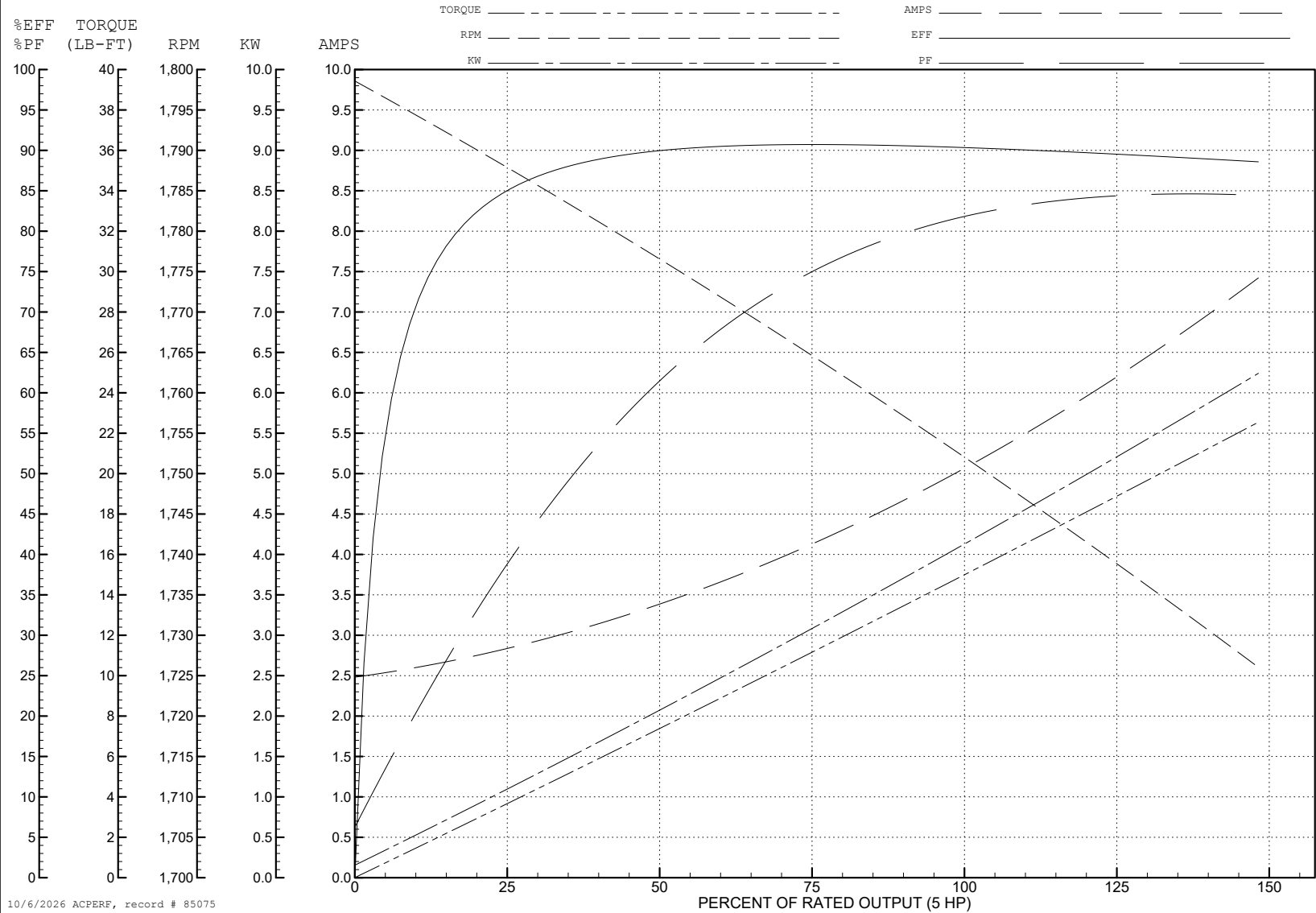
ABB Motors and Mechanical Inc.

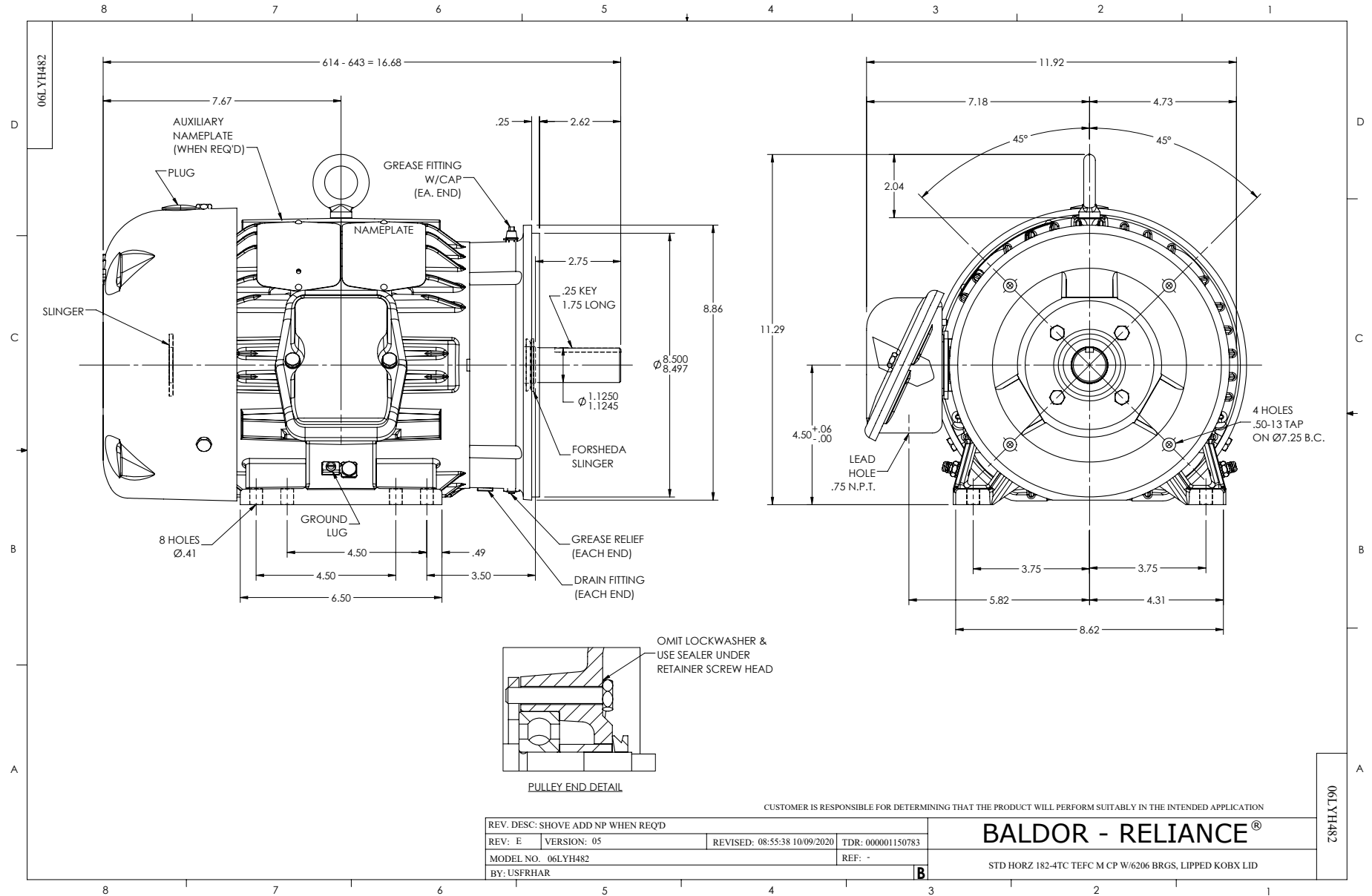
WINDING # 06WGW570

Typical performance - not guaranteed values.

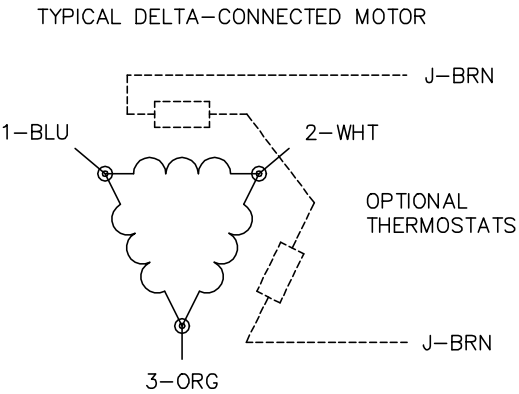
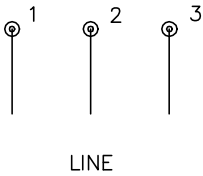
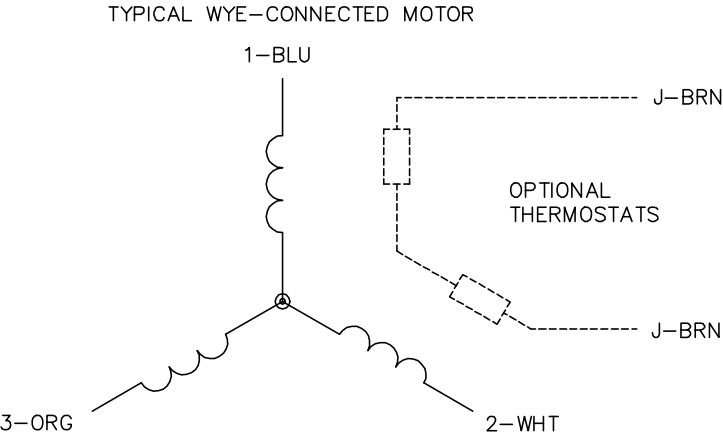
5 HP 3 PH 60 HZ 1750 RPM 575 V 0642M

TORQUES (LB-FT) : PO=56.36 PU=24.26 LR=39.79 LRA=42.68





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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