ABB BALDOR RELIANCE

Customer information packet

CECP3665T-5

5HP, 1750RPM, 3PH, 60HZ, 184TC, 0642M, TEFC, F1
Class - CLI GP A,B,C,D
Division - Division II

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Specifications

Enclosure	TEFC
Frame	184TC
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	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.**			

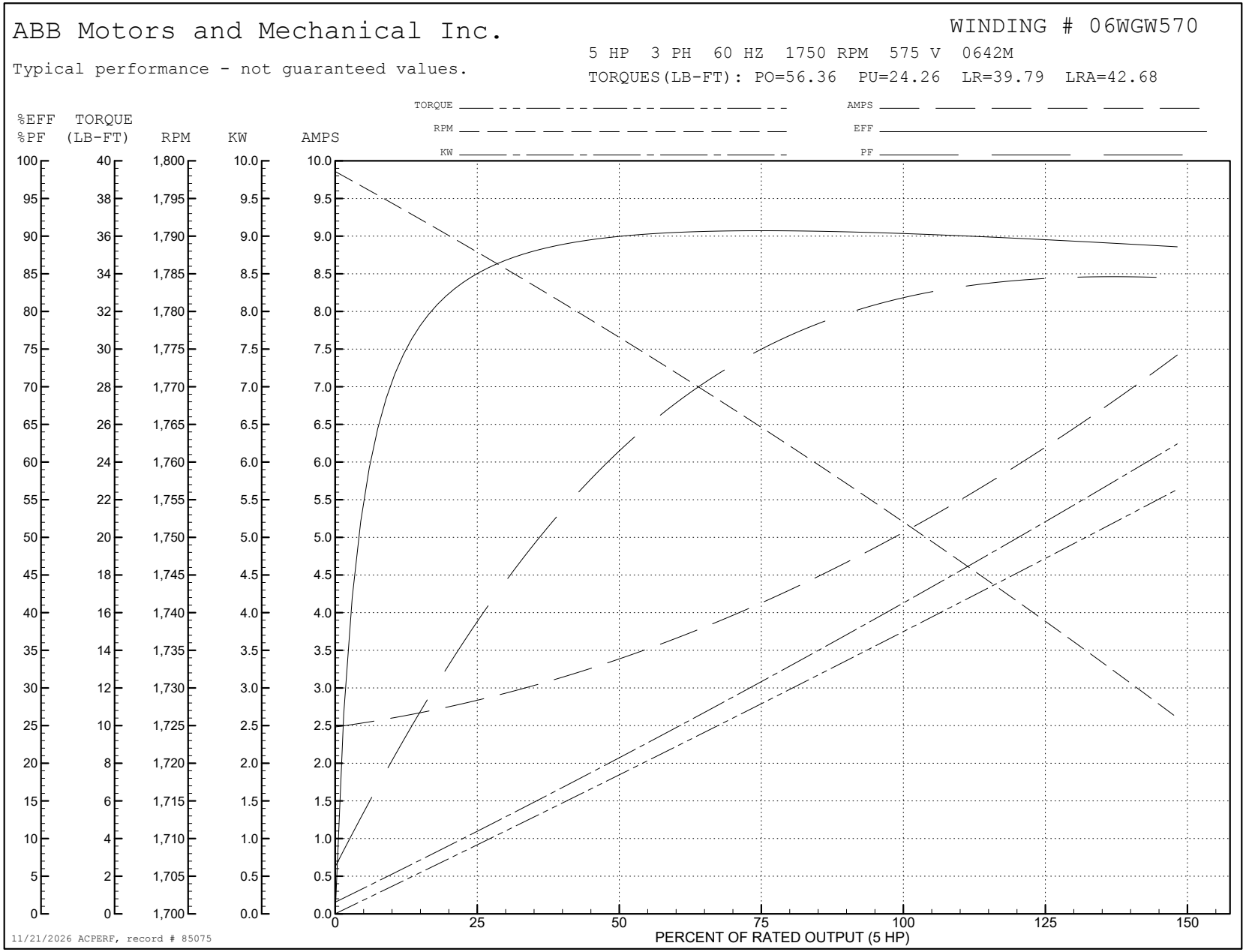
AC Induction Motor Performance Data
Record # 85075
Typical performance - not guaranteed values

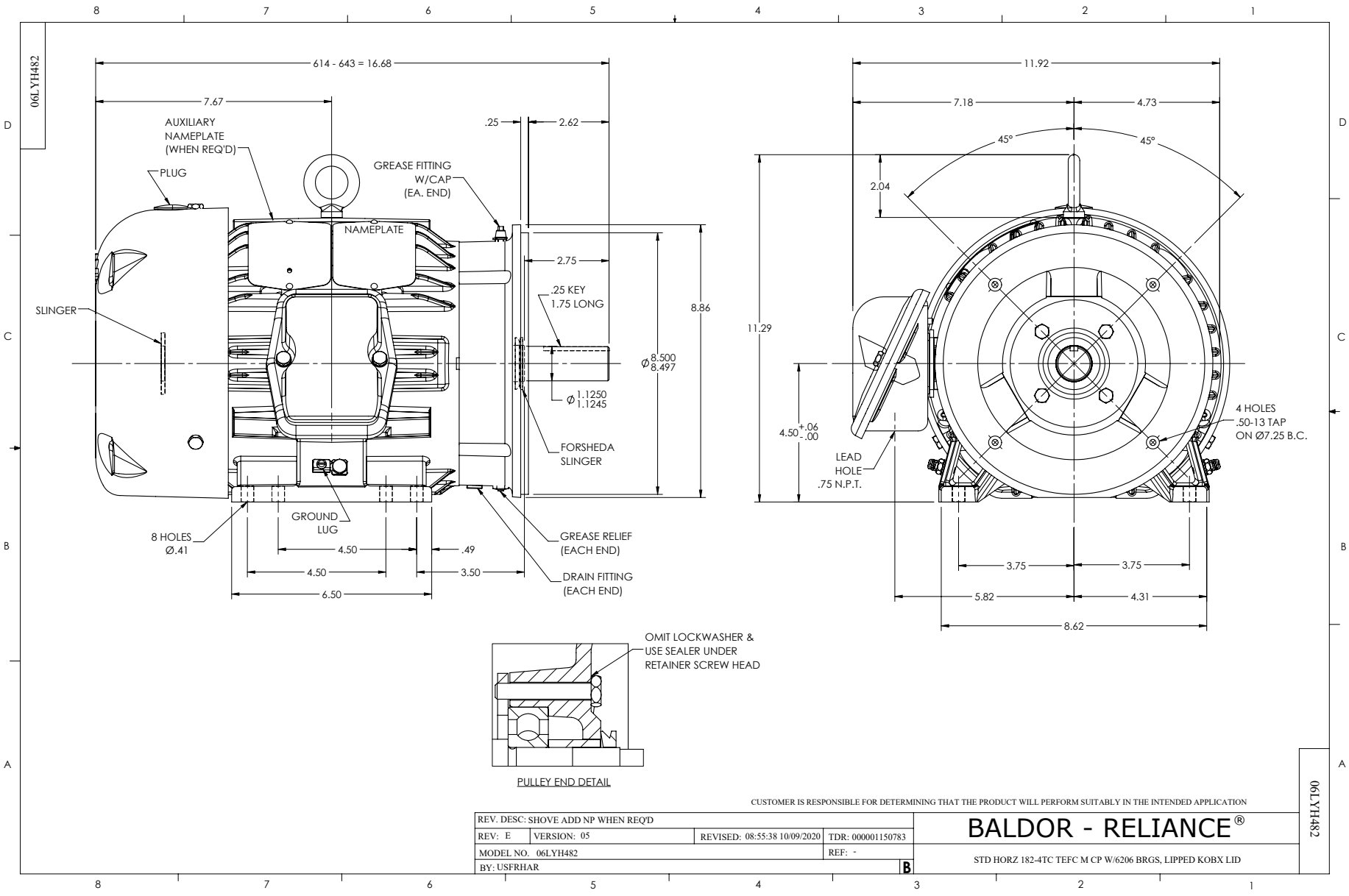
Winding: 06WGW570-R027	**Type:** 0642M	**Enclosure:** TEFC

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. @ 25ºC**	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

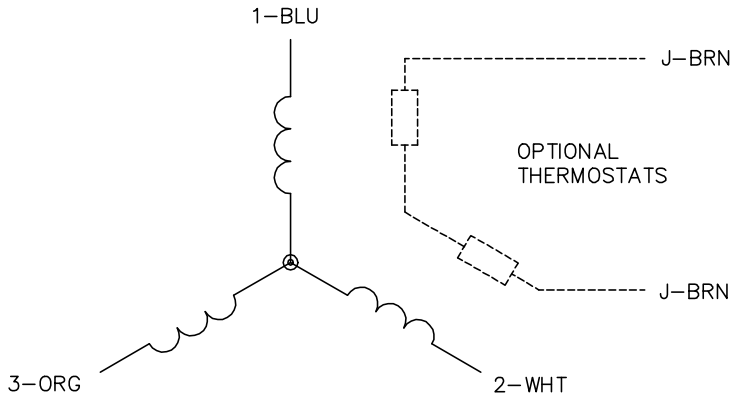
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	40	63	75	80	84	85	82
Efficiency	84.9	89.8	90.7	90.4	89.6	88.5	90
Speed	1787	1776	1765	1752	1739	1726	1744
Line amperes	2.82	3.33	4.15	5.16	6.17	7.39	5.8

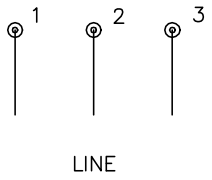

ABB Motors and Mechanical Inc.
WINDING # 06WGW570
Typical performance - not guaranteed values.
5 HP 3 PH 60 HZ 1750 RPM 575 V 0642M
TORQUES(LB-FT): PO=56.36 PU=24.26 LR=39.79 LRA=42.68
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (5 HP)
11/21/2026 ACPERF, record # 85075


06LYH482
614 - 643 = 16.68
7.67
AUXILIARY NAMEPLATE (WHEN REQ'D)
PLUG
GREASE FITTING W/CAP (EA. END)
.25
2.62
NAMEPLATE
2.75
.25 KEY 1.75 LONG
SLINGER
8.86
Ø 8.500 8.497
Ø 1.1250 1.1245
FORSHEDA SLINGER
GROUND LUG
8 HOLES Ø.41
4.50
.49
4.50
3.50
6.50
GREASE RELIEF (EACH END)
DRAIN FITTING (EACH END)
11.92
7.18
4.73
45°
45°
2.04
11.29
4.50 +.06 -.00
LEAD HOLE .75 N.P.T.
4 HOLES .50-13 TAP ON Ø7.25 B.C.
3.75
3.75
5.82
4.31
8.62
OMIT LOCKWASHER & USE SEALER UNDER RETAINER SCREW HEAD
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: SHOVE ADD NP WHEN REQ'D
REV: E
VERSION: 05
REVISED: 08:55:38 10/09/2020
TDR: 000001150783
MODEL NO. 06LYH482
REF: -
BY: USFRHAR
B
BALDOR - RELIANCE®
STD HORZ 182-4TC TEFC M CP W/6206 BRGS, LIPPED KOBX LID
06LYH482

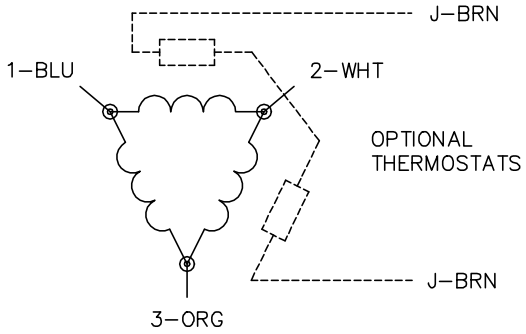
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



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: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

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

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