



Customer information packet

CECP83661T-5

3HP, 1755RPM, 3PH, 60HZ, 182TC, 0632M, 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	CL I 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	CCSA US 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
Constant Torque Speed Range	1.5
Current @ Voltage	3.300 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
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part detail

Revision	AG
Type	AC
Mech. spec.	06H770
Base	
Status	PRD/A
Elec. spec.	06WGX319
Layout	06LYH770
Eff. date	09-12-2022
CD Diagram	CD0006
Poles	04
Leads	3#16
Proprietary	False
Created date	10-03-2011

Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	3.3 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	J
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	0632M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.69 IN
Power Factor	77
Product Family	Chem Process S/P 32-8 IEEE 841
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	1755 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

NP4328											
CAT.NO.	CECP83661T-5										
SPEC.	06H770X319G1										
HP	3 TE				IP	56					
VOLTS	575										
AMPS	3.3										
R.P.M.	1755										
FRAME	182TC		HZ		60		PH	3			
SER.F.	1.15	CODE	J	DES.	B	CLASS		F			
RATING	40C AMB-CONT										
SN											
DE	6206		ODE		6206						
NEMA NOM. EFF.	89.5		P.F.		77						
GUAR. MIN. EFF.	87.5		CC	010A							
T. CODE	T3C		TEMP=		160						

NP3186

SPEC.	06H770X319G1				
ABMA DE BRG	30BC02XP30X				
ABMA ODE BRG	30BC02X30X				
GREASE	POLYREX EM				
MOTOR WEIGHT	122	ROTOR BARS	28	STATOR BARS	36
MAX. R.P.M.	2700	MAX. KVAR	.86		
INV.TYPE	PWM				
T=	160				
CHP	60	TO	90		
CT	1.5	TO	60		
VT	-0	TO	60		
HTR-VOLTS	N/A	HTR-AMPS	N/A		
HTR-WATTS		MAX. SPACE HEATER TEMP.	N/A		

AC Induction Motor Performance Data

Record # 92324

Typical performance - not guaranteed values

Winding: 06WGX319-R011			Type: 0632M	Enclosure: TEFC				
Nameplate Data			575 V, 60 Hz: Single Voltage Motor					
Rated Output (HP)		3	Full Load Torque		9.05 LB-FT			
Volts		575	Start Configuration		direct on line			
Full Load Amps		3.3	Breakdown Torque		33 LB-FT			
R.P.M.		1755	Pull-up Torque		18.2 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		20.3 LB-FT		
NEMA Design Code		B	KVA Code	J	Starting Current		23.8 A	
Service Factor (S.F.)		1.15	No-load Current		1.7 A			
NEMA Nom. Eff.		89.5	Power Factor		77	Line-line Res. @ 25°C		6.2 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		35°C	
S.F. Amps				Temp. Rise @ S.F. Load		42°C		
				Locked-rotor Power Factor		41.5		
				Rotor inertia		0.298 LB-FT2		

Load Characteristics 575 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	59	71	77	81	83	79
Efficiency	83	88.4	89.7	89.6	89	87.6	89.3
Speed	1790	1779	1769	1757	1744	1730	1749
Line amperes	1.86	2.22	2.71	3.27	3.92	4.69	3.66

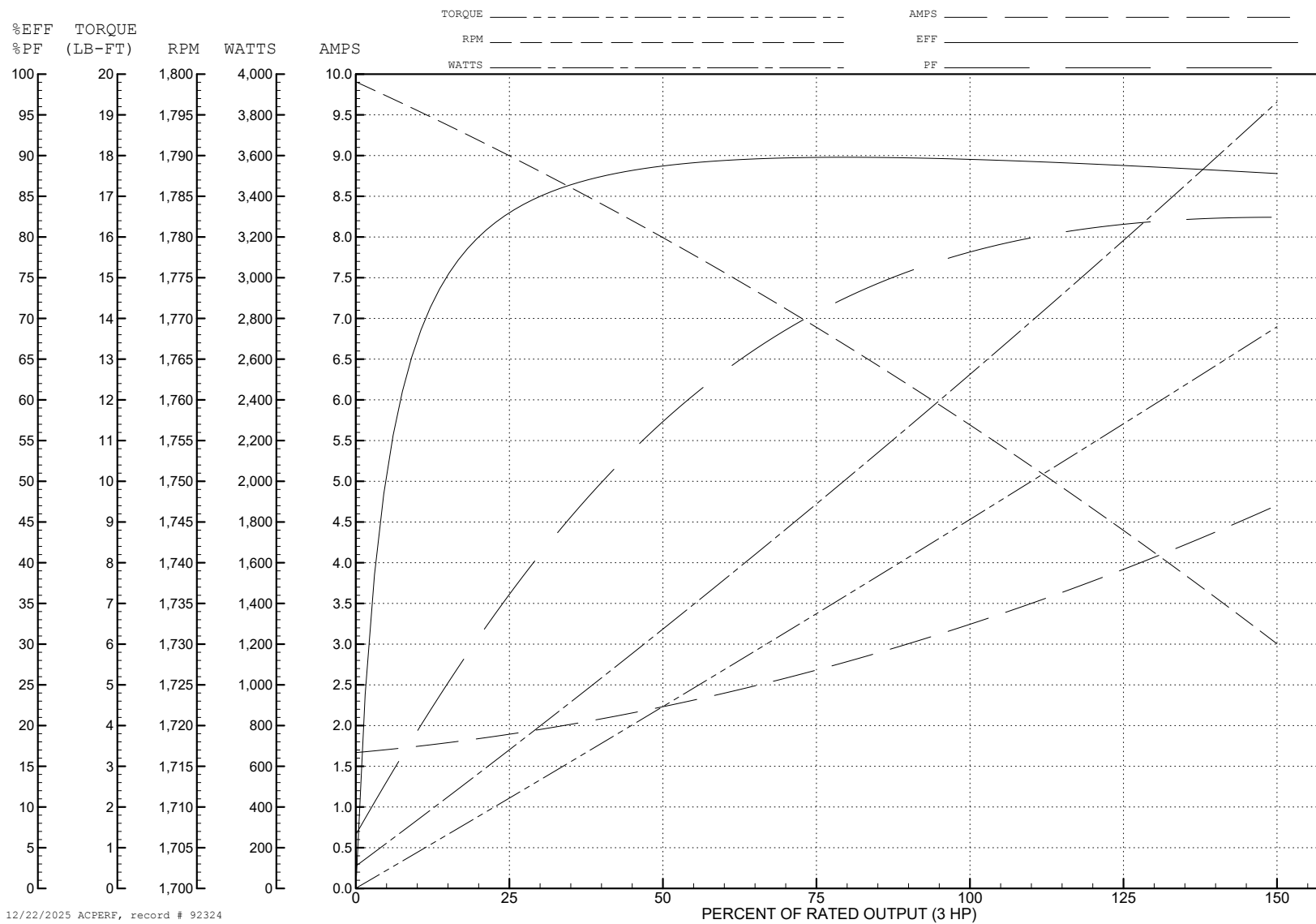
ABB Motors and Mechanical Inc.

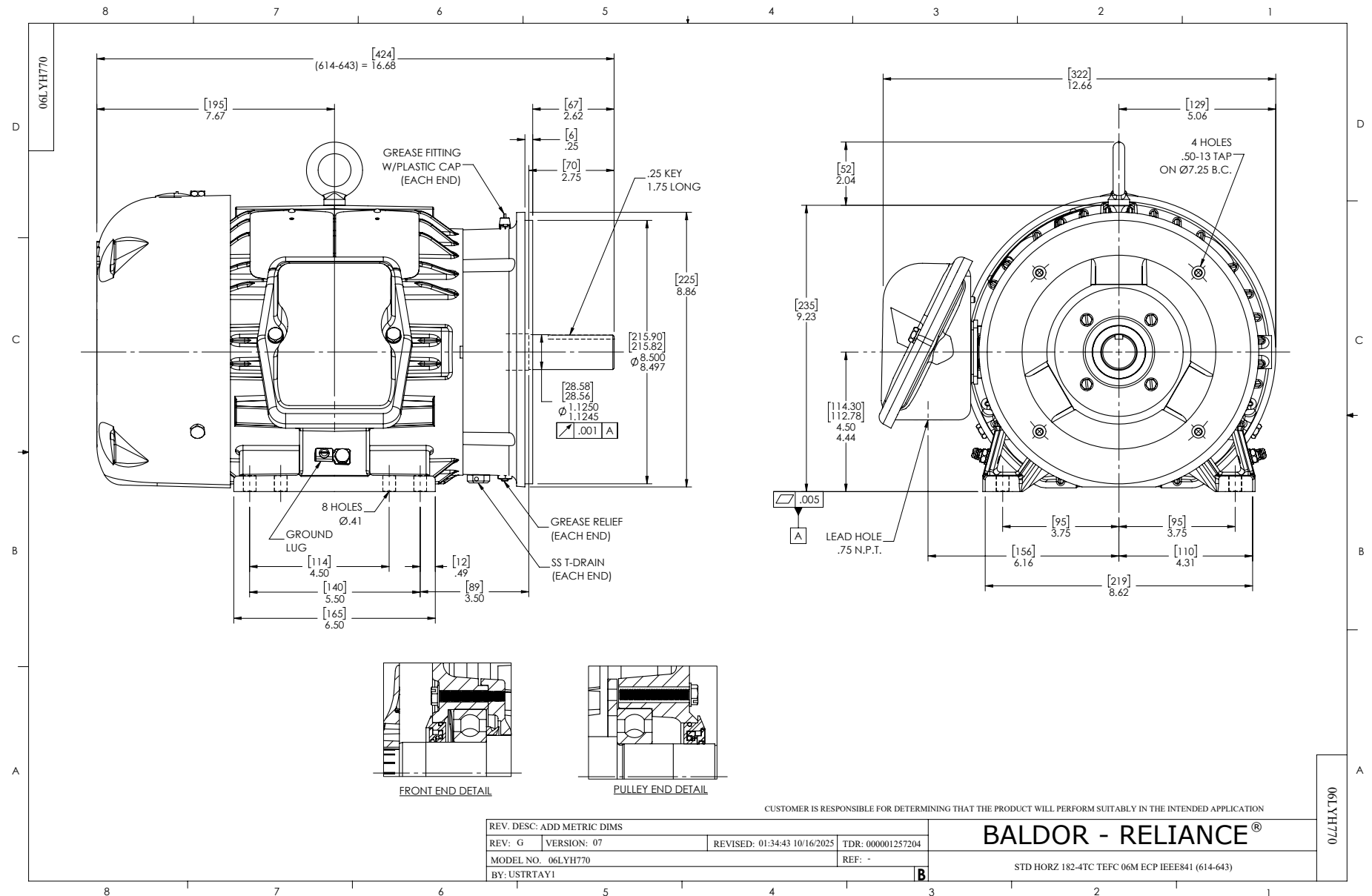
WINDING # 06WGX319

Typical performance - not guaranteed values.

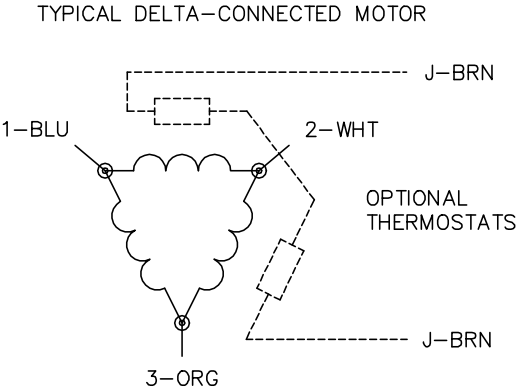
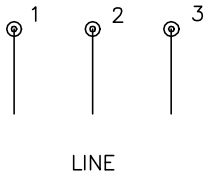
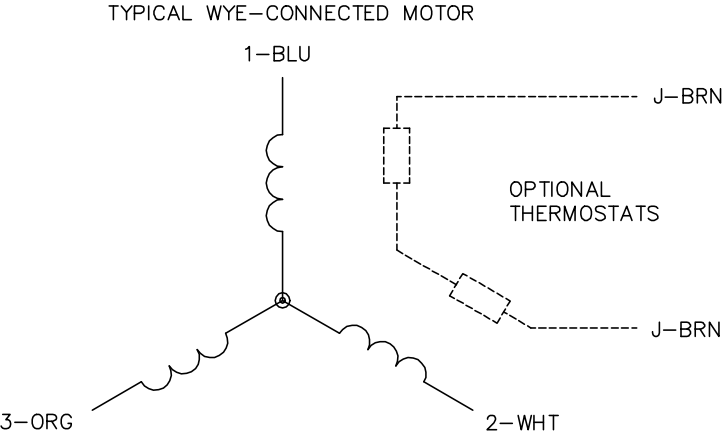
3 HP 3 PH 60 HZ 1755 RPM 575 V 0632M

TORQUES (LB-FT): PO=33 PU=18.2 LR=20.3 LRA=23.8





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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