ABB BALDOR RELIANCE

Customer information packet

CTM3665T

5HP, 1750RPM, 3PH, 60HZ, 184T, 0634M, TEAO, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEAO
Frame	184T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
	208.0 V @ 60 HZ
Agency Approvals	C UR 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
Current @ Voltage	7.200 A @ 460.0 V
	14.600 A @ 208.0 V
	14.400 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	7.2 a

Part Detail

Revision	B
Type	AC
Mech. spec.	06K700
Base	
Status	PRD/A
Elec. spec.	06WGY807
Layout	06LYK700
Eff. date	08-11-2026
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	10-19-2023

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0634M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.68 IN
Power Factor	75
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
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

NP1258								
CAT.NO.	CTM3665T							
SPEC.	06K700Y807H1							
HP	5							
VOLTS	208-230/460							
AMP	14.6-14.4/7.2							
RPM	1750							
FRAME	184T	**HZ**	60		**PH**	3		
SER.F.	1.15	**CODE**	J	**DES**	B	**CL**	F	
NEMA-NOM-EFF	87.5	**PF**	75					
RATING	40C AMB-CONT							
CC								
DE	6206	**ODE**	6205					
ENCL	TEAO	**SN**						
	1650 FPM AT 100CFM							

AC Induction Motor Performance Data
Record # 102149
Typical performance - not guaranteed values

Winding: 06WGY807-R001	**Type:** 0634M	**Enclosure:** TEAO

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			5	**Full Load Torque**	15.24 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			14.6-14.4/7.2	**Breakdown Torque**	47.7 LB-FT
R.P.M.			1750	**Pull-up Torque**	31 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	34.9 LB-FT
NEMA Design Code	B	**KVA Code**	J	**Starting Current**	46 A
Service Factor (S.F.)			1.15	**No-load Current**	3.88 A
NEMA Nom. Eff.	87.5	**Power Factor**	75	**Line-line Res. @ 25ºC**	2.83 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	58°C
S.F. Amps				**Temp. Rise @ S.F. Load**	69°C
				Locked-rotor Power Factor	44.1
				Rotor inertia	0.317 lb-ft²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	36	56	69	75	80	82	77
Efficiency	81.2	87	88.2	87.5	86.4	84.6	87.3
Speed	1787	1775	1761	1746	1729	1710	1737
Line amperes	4.17	4.9	5.87	7.19	8.57	10.21	7.96

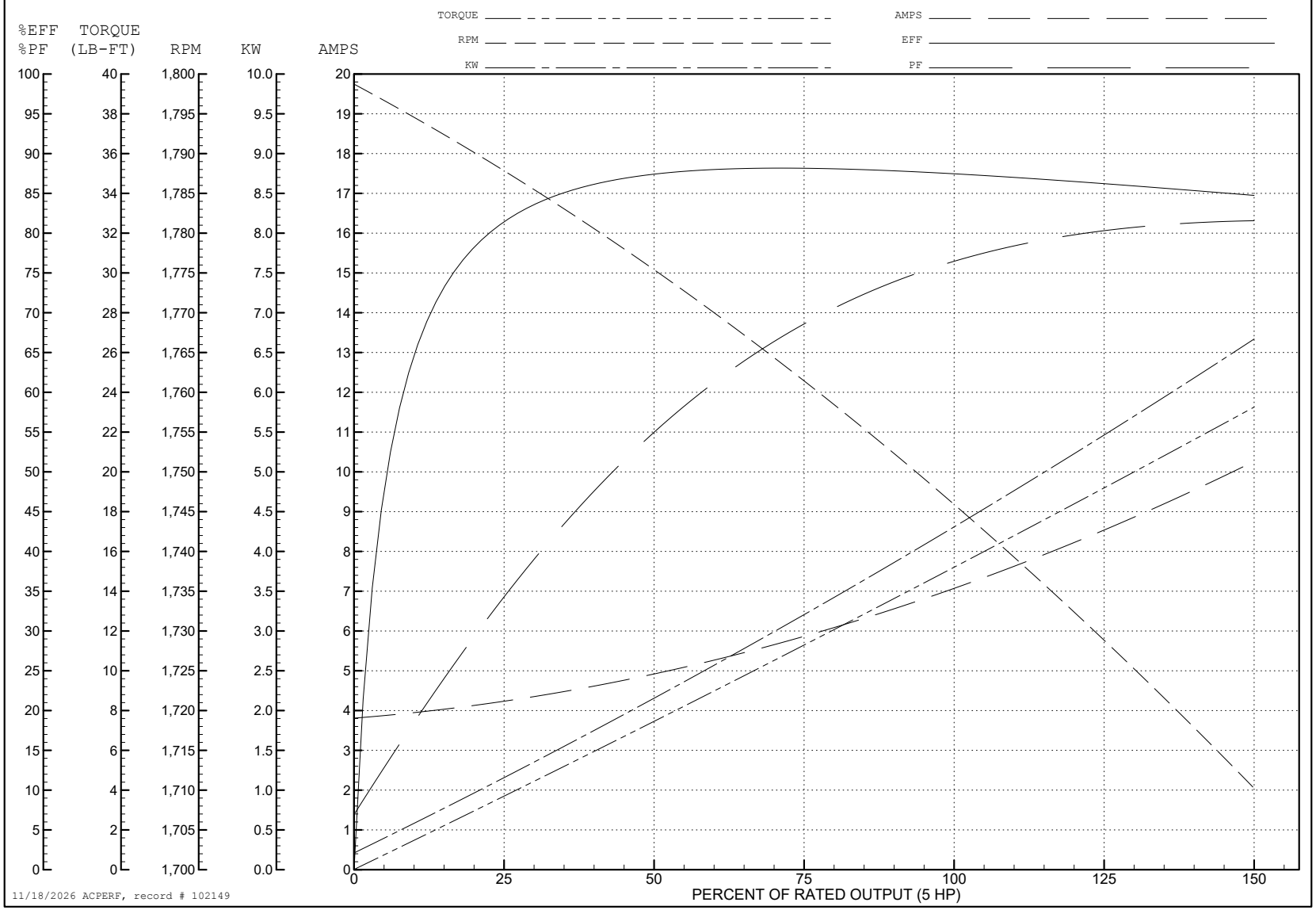
ABB Motors and Mechanical Inc.

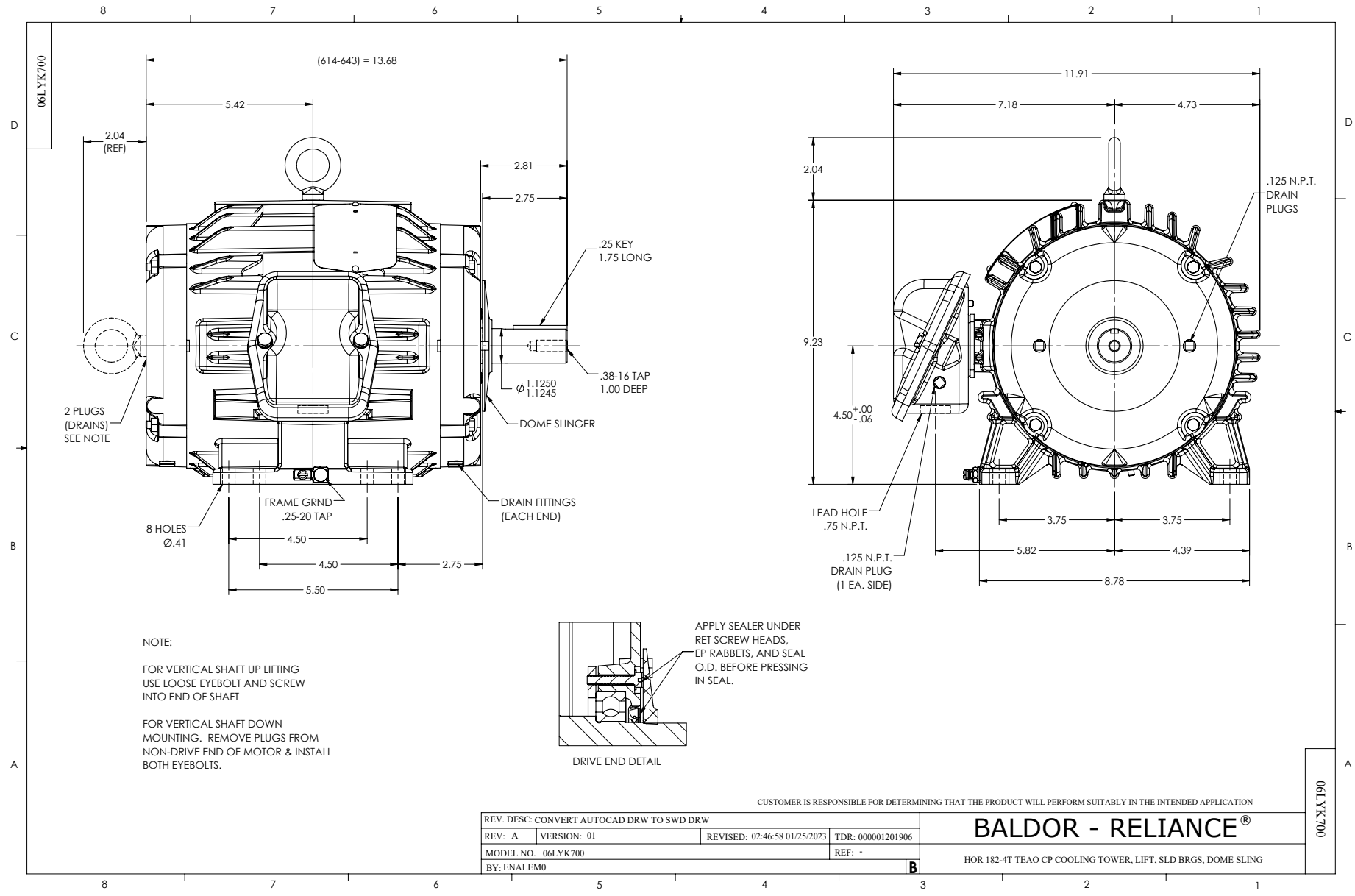
WINDING # 06WGY807

5 HP 3 PH 60 HZ 1750 RPM 460 V 0634M

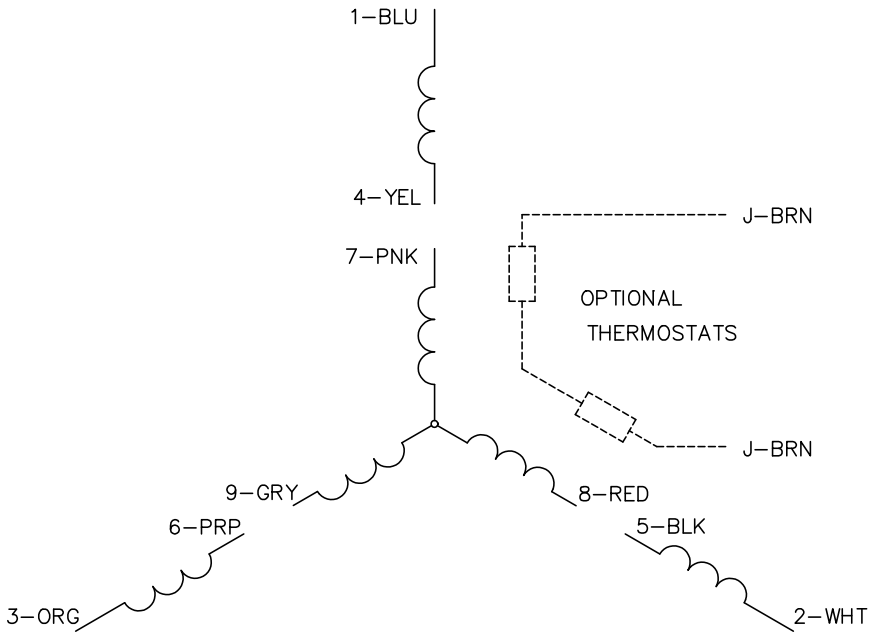
Typical performance - not guaranteed values.

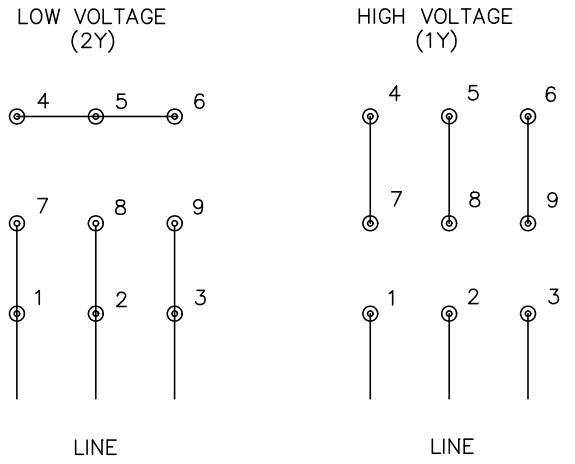
TORQUES(LB-FT): PO=47.7 PU=31 LR=34.9 LRA=46




06LYK700
(614-643) = 13.68
5.42
2.04 (REF)
2.81
2.75
.25 KEY 1.75 LONG
.38-16 TAP 1.00 DEEP
Ø 1.1250 1.1245
DOME SLINGER
2 PLUGS (DRAINS) SEE NOTE
FRAME GRND .25-20 TAP
8 HOLES Ø.41
DRAIN FITTINGS (EACH END)
4.50
4.50
2.75
5.50
11.91
7.18
4.73
2.04
9.23
4.50 +.00 -.06
.125 N.P.T. DRAIN PLUGS
LEAD HOLE .75 N.P.T.
.125 N.P.T. DRAIN PLUG (1 EA. SIDE)
3.75
3.75
5.82
4.39
8.78
NOTE:
FOR VERTICAL SHAFT UP LIFTING USE LOOSE EYEBOLT AND SCREW INTO END OF SHAFT
FOR VERTICAL SHAFT DOWN MOUNTING. REMOVE PLUGS FROM NON-DRIVE END OF MOTOR & INSTALL BOTH EYEBOLTS.
APPLY SEALER UNDER RET SCREW HEADS, EP RABBETS, AND SEAL O.D. BEFORE PRESSING IN SEAL.
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: A VERSION: 01 REVISED: 02:46:58 01/25/2023 TDR: 000001201906
MODEL NO. 06LYK700 REF: -
BY: ENALEM0 B
BALDOR - RELIANCE®
HOR 182-4T TEAO CP COOLING TOWER, LIFT, SLD BRGS, DOME SLING
06LYK700

CD0005





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS