ABB BALDOR RELIANCE

Customer information packet

CECP3774T-5

10HP, 1760RPM, 3PH, 60HZ, 215TC, 0748M, TEFC, F
Class - CLI GP A,B,C,D
Division - Division II

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/16/2026 10:37:29 AM

Specifications

Enclosure	TEFC
Frame	215TC
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	10.000 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	9.800 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	R
Type	AC
Mech. spec.	07K373
Base	
Status	PRD/A
Elec. spec.	07WGY729
Layout	07LYK373
Eff. date	06-08-2023
CD Diagram	CD0006
Poles	04
Leads	3#14
Proprietary	False
Created date	07-07-2010

Front Shaft Indicator	None
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	9.8 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	H
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 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0748M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	20.24 IN
Power Factor	83
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	1.375 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.	CECP3774T-5							
SPEC.	07K373Y729G1							
HP	10 TE							
VOLTS	575							
AMP	9.8							
RPM	1760							
FRAME	215TC	**HZ**	60		**PH**	3		
SER.F.	1.15	**CODE**	H	**DES**	B	**CL**	F	
RATING	40C AMB-CONT							
SN								
DE	6307	**ODE**	6307					
NEMA-NOM-EFF	91.7	**PF**	83					
G.MIN.EFF	90.2	**CC**	010A					
T. CODE	T3	**T=**	200					

NP3260			
SPEC.	07K373Y729G1		
D.E. BRG.	35BC03XP30X		
O.D.E. BRG.	35BC03XP30X		
GREASE	POLYREX EM		
RPM MAX	2700	**MAX. KVAR**	1.53
BLANK	CECP3774T-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 # 92589
Typical performance - not guaranteed values

Winding: 07WGY729-R027	**Type:** 0748M	**Enclosure:** TEFC

Nameplate Data				**575 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			10	**Full Load Torque**	29.8 LB-FT
Volts			575	**Start Configuration**	direct on line
Full Load Amps			9.8	**Breakdown Torque**	82.6 LB-FT
R.P.M.			1760	**Pull-up Torque**	41.2 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	53.9 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	64.8 A
Service Factor (S.F.)			1.15	**No-load Current**	3.65 A
NEMA Nom. Eff.	91.7	**Power Factor**	83	**Line-line Res. @ 25ºC**	1.68 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	64°C
S.F. Amps				**Temp. Rise @ S.F. Load**	81°C
				Locked-rotor Power Factor	35.4
				Rotor inertia	1.18 lb-ft²

Load Characteristics 575 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	49	70	79	83	85	84	84
Efficiency	90.1	92.1	92.7	91.7	90.9	89.1	91.5
Speed	1791	1782	1774	1764	1752	1738	1757
Line amperes	4.28	5.74	7.6	9.79	12.2	15	11.2

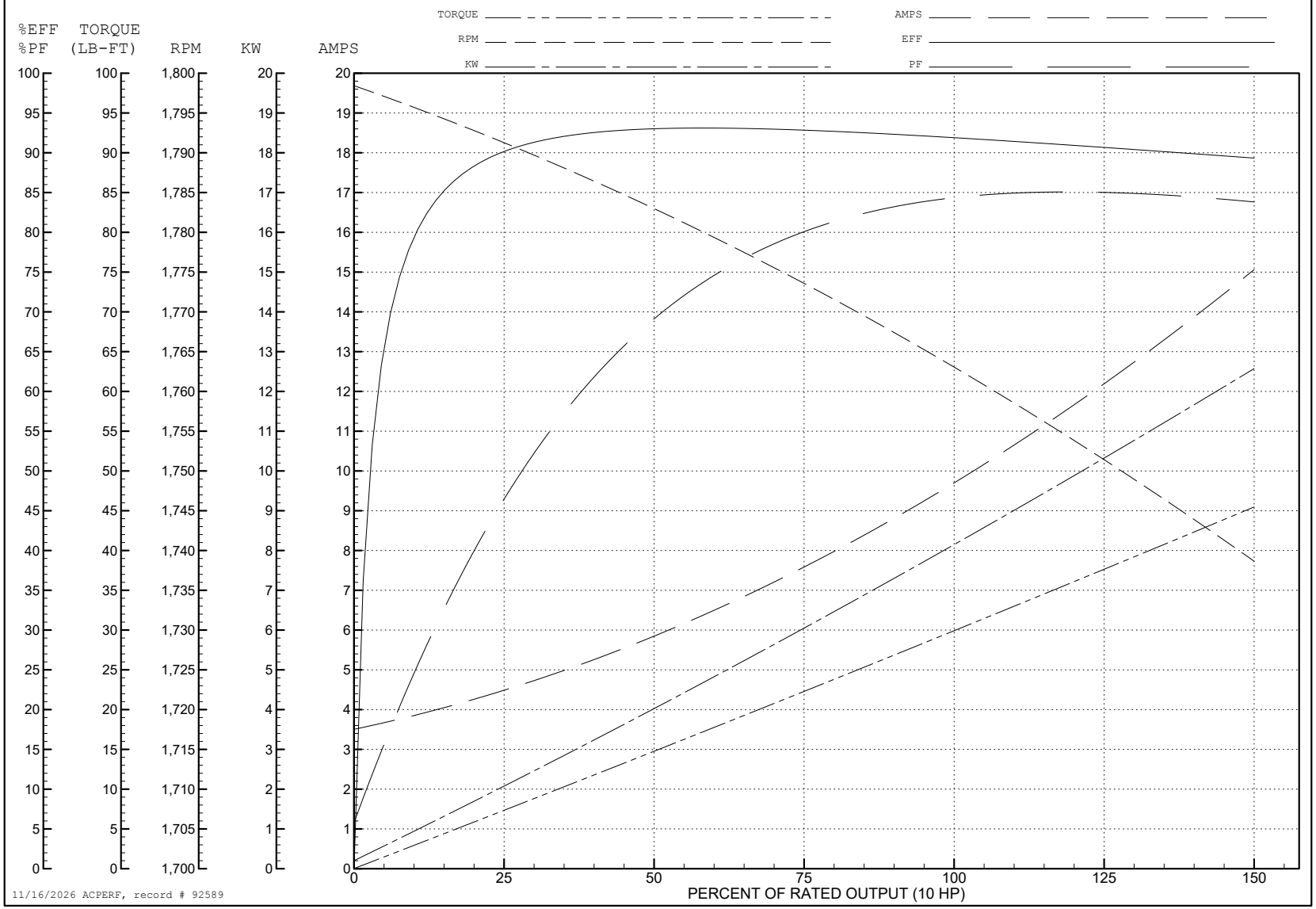
ABB Motors and Mechanical Inc.

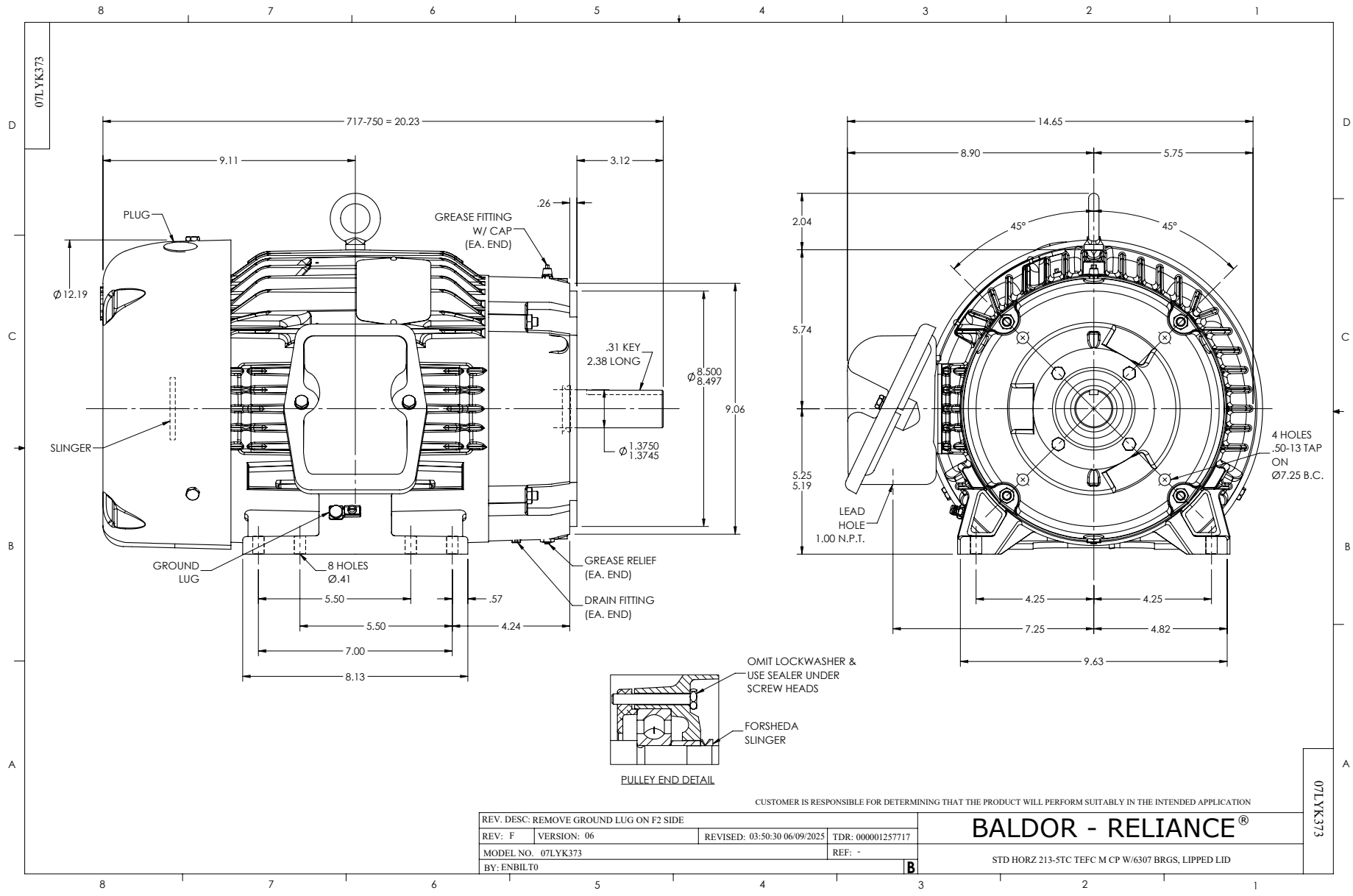
WINDING # 07WGY729

10 HP 3 PH 60 HZ 1760 RPM 575 V 0748M

Typical performance - not guaranteed values.

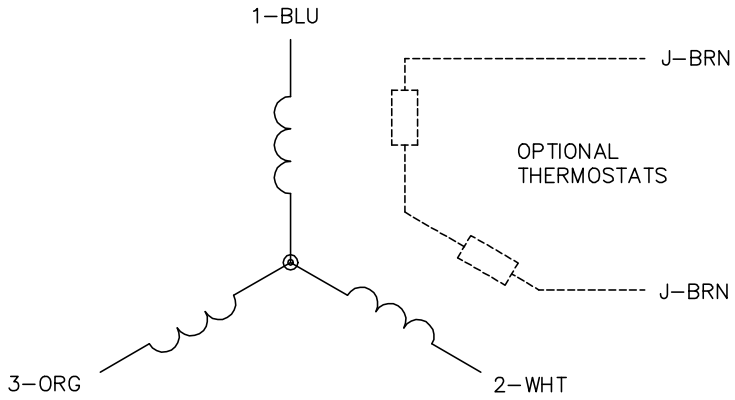
TORQUES(LB-FT): PO=82.6 PU=41.2 LR=53.9 LRA=64.8

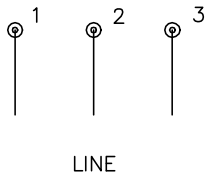



07LYK373
717-750 = 20.23
9.11
3.12
.26
PLUG
GREASE FITTING W/ CAP (EA. END)
Ø12.19
.31 KEY 2.38 LONG
Ø 8.500 8.497
9.06
Ø 1.3750 1.3745
SLINGER
GROUND LUG
8 HOLES Ø.41
GREASE RELIEF (EA. END)
DRAIN FITTING (EA. END)
5.50
.57
5.50
4.24
7.00
8.13
14.65
8.90
5.75
2.04
45°
45°
5.74
5.25
5.19
LEAD HOLE 1.00 N.P.T.
4 HOLES .50-13 TAP ON Ø7.25 B.C.
4.25
4.25
7.25
4.82
9.63
OMIT LOCKWASHER & USE SEALER UNDER SCREW HEADS
FORSHEDA SLINGER
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: REMOVE GROUND LUG ON F2 SIDE
REV: F
VERSION: 06
REVISED: 03:50:30 06/09/2025
TDR: 000001257717
MODEL NO. 07LYK373
REF: -
BY: ENBILT0
B
BALDOR - RELIANCE®
STD HORZ 213-5TC TEFC M CP W/6307 BRGS, LIPPED LID
07LYK373

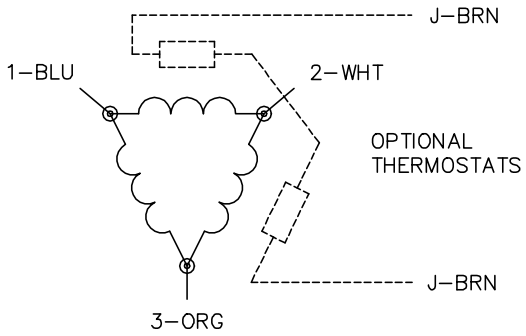
CD0006

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

SH 1 of 1