ABB BALDOR RELIANCE

Customer information packet

IDXM7570T-C

10HP, 1760RPM, 3PH, 60HZ, 215T, 0748M, XPFC, F1
Class - CLI GP C,D; CLII GP F,G
Division - Division I

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/19/2026 12:49:58 PM

Specifications

Enclosure	XPFC
Frame	215T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	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	15
Current @ Voltage	12.200 A @ 460.0 V
	24.400 A @ 230.0 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	H
Type	AC
Mech. spec.	07J063
Base	
Status	INA/A
Elec. spec.	07WGY179
Layout	07LYJ063
Eff. date	03-08-2021
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	11-03-2016

Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	12.2 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Max Speed	2700 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	X0748M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.91 IN
Power Factor	83
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1760 rpm
Speed Code	Single Speed
Starting Method	Direct on line

Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP0681XPSLEV

NO.					**CC**	010A					
S/N					**TEMP CODE**	T3C					
SPEC.	07J063Y179G1				**INV.TYPE**	PWM					
CAT.NO.					**C HP FR**	60	**C HP TO**	90			
HP	10				**CT HZ FROM**	15			**CT HZ TO**	60	
VOLTS	230/460				**VT HZ FROM**	6			**VT HZ TO**	60	
AMPS	24.4/12.2			**MAG CUR**	8.8/4.4						
RPM	1760			**MX RPM**	2700						
HZ	60	**PH**	3	**CL**	F	**NOM.EFF.**	91.7				
SER.F.	1.00	**DES**	B	**SL HZ**	1	**WK2**	1.18				
FRAME	215T	**RATING**	40C AMB-CONT								
	1.15 SF SINE WAVE										

AC Induction Motor Performance Data
Record # 60174
Typical performance - not guaranteed values

Winding: 07WGY179-R033	**Type:** 0748M	**Enclosure:** XPFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			10	**Full Load Torque**	29.8 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			24.4/12.2	**Breakdown Torque**	80.9 LB-FT
R.P.M.			1760	**Pull-up Torque**	40.2 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	52.6 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	81 A
Service Factor (S.F.)			1	**No-load Current**	4.44 A
NEMA Nom. Eff.	91.7	**Power Factor**	83	**Line-line Res. @ 25ºC**	1.08 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	64°C
				Locked-rotor Power Factor	35.1
				Rotor inertia	1.18 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	50	71	80	83	85	85
Efficiency	90.3	92.4	92.9	92.3	90.9	89.1
Speed	1791	1782	1774	1763	1751	1737
Line amperes	5.24	7.1	9.42	12.2	15.2	18.7

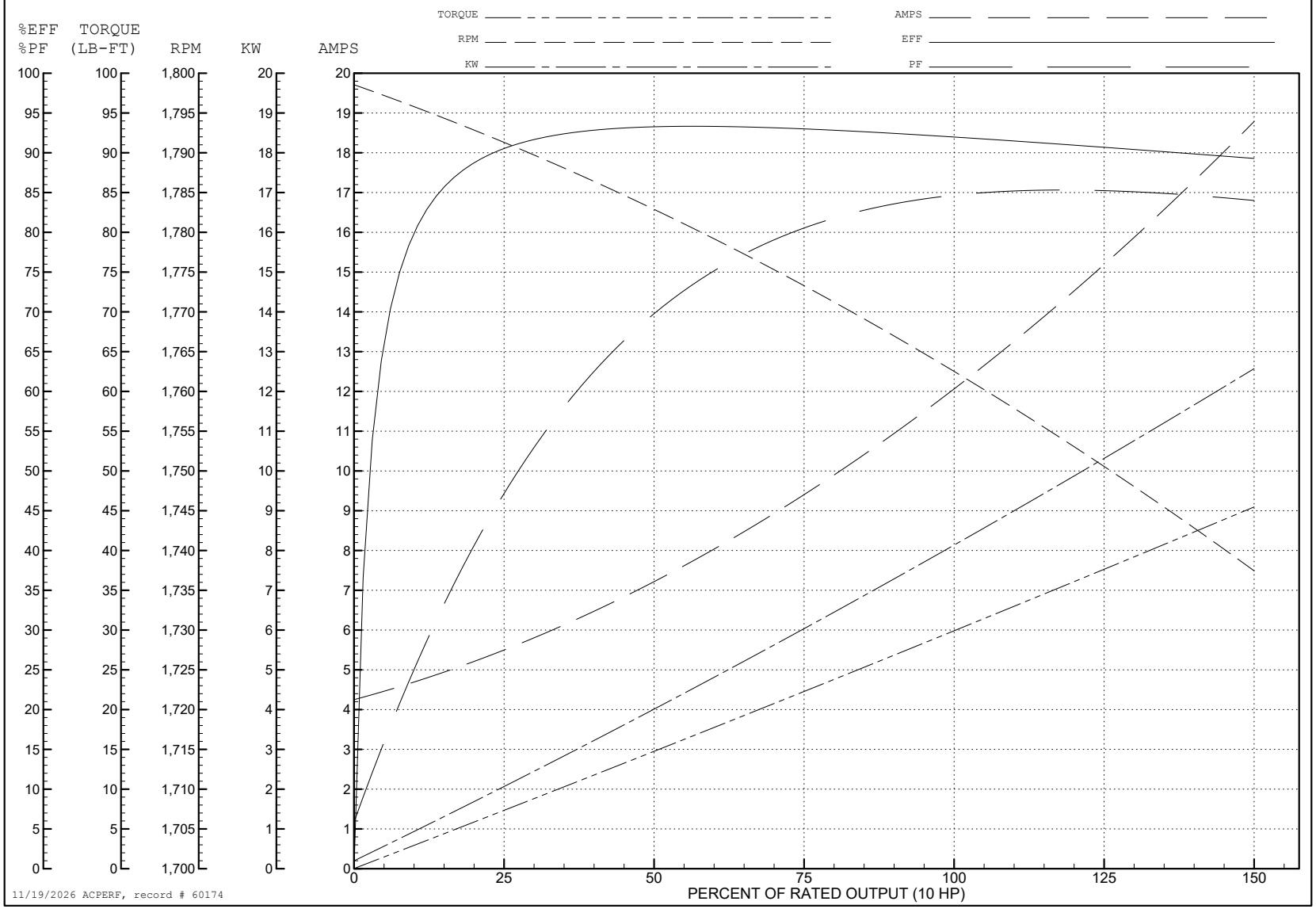
ABB Motors and Mechanical Inc.

WINDING # 07WGY179

10 HP 3 PH 60 HZ 1760 RPM 460 V 0748M

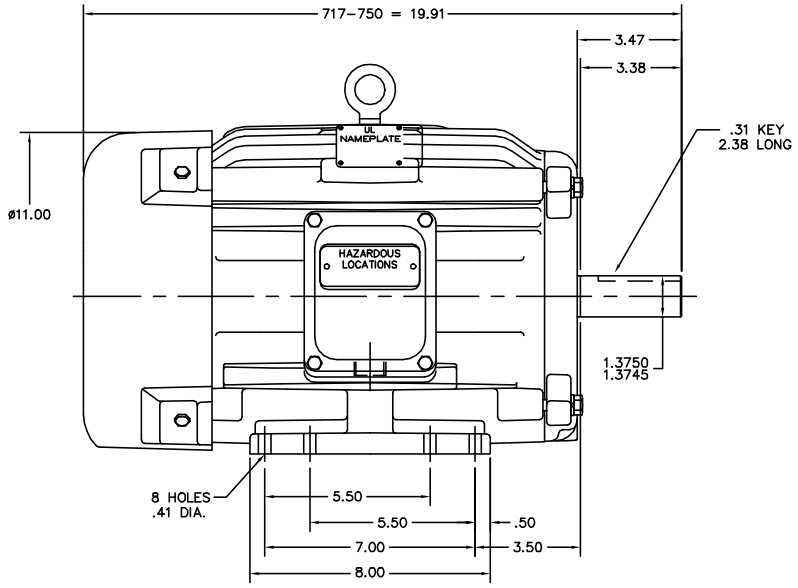
Typical performance - not guaranteed values.

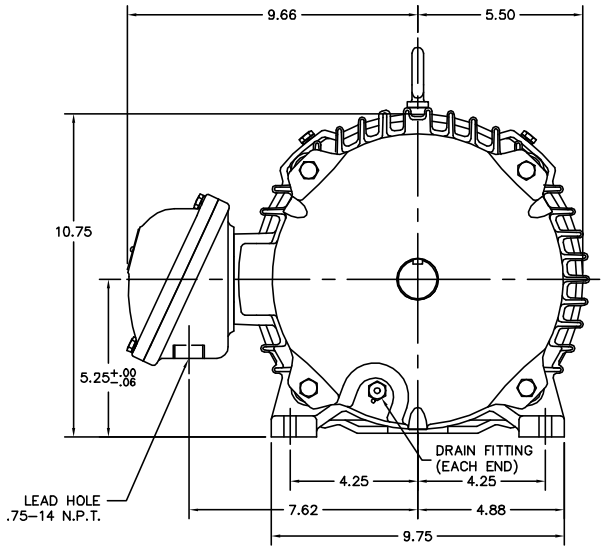
TORQUES(LB-FT): PO=80.9 PU=40.2 LR=52.6 LRA=81



11/19/2026 ACPERF, record # 60174

07LYJ063





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

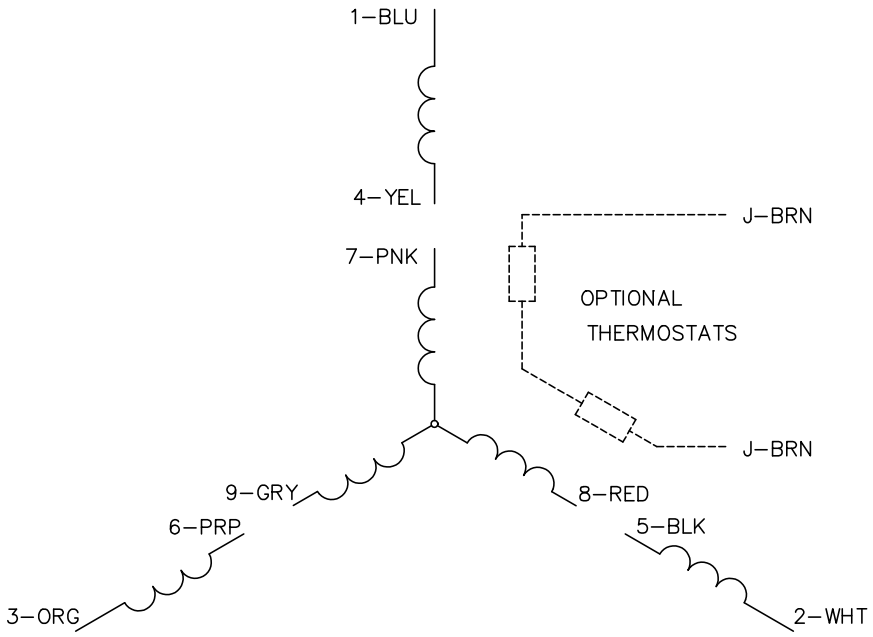
REV. DESC: CHG HW4501A02 TO HW4506A02 & HW3022E05			
REV. LTR: A	BY: JF	REVISED: 17:03:21 10/30/2003	TDR: 315895
FILE: AAA00067844			REF: 07LYJ063
MTL: –			

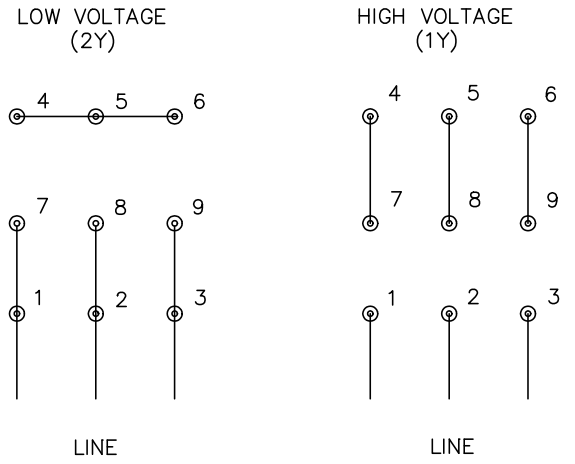
BALDOR ELECTRIC Co.

HORZ 213–5T XPFC X307M CL I–GP C&D–CL II–GP F & G W/ DRAINS

07LYJ063

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