ABB BALDOR RELIANCE

Customer information packet

EM7074T

10HP, 3490RPM, 3PH, 60HZ, 215T, 3728M, XPFC, F1
Class - CLI GP D
Division - Division I

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/10/2026 10:57:18 AM

Specifications

Enclosure	XPFC
Frame	215T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	UL
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	23.600 A @ 230.0 V
	11.800 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	90.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T2C
Heater Indicator	No Heater

Part Detail

Revision	Q
Type	AC
Mech. spec.	37H253
Base	
Status	PRD/A
Elec. spec.	37WGS864
Layout	37LYH253
Eff. date	03-08-2024
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	11-29-2011

High Voltage Full Load Amps	11.8 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3728M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	19.32 IN
Power Factor	87
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS 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	3490 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

NP0015XPSLEV							
NO.		**CC**	010A				
SER.							
SPEC.	37H253S864G1						
CAT.NO.							
HP	10	**T. CODE**	T2C				
VOLTS	230/460						
AMPS	23.2/11.6						
RPM	3490						
HZ	60	**PH**	3	**CL**	B		
SER.F.	1.00	**DES**	B	**CODE**	G		
RATING	40C AMB-CONT						
FRAME	215T	**NEMA-NOM-EFF**	90.2				
		PF	88				
BLANK							

AC Induction Motor Performance Data
Record # 50544
Typical performance - not guaranteed values

Winding: 37WGS864-R022	**Type:** 3728M	**Enclosure:** XPFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			10	**Full Load Torque**	15 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			23.6/11.8	**Breakdown Torque**	45.7 LB-FT
R.P.M.			3490	**Pull-up Torque**	21.9 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	25.4 LB-FT
NEMA Design Code	B	**KVA Code**	G	**Starting Current**	76.1 A
Service Factor (S.F.)			1	**No-load Current**	4.12 A
NEMA Nom. Eff.	90.2	**Power Factor**	87	**Line-line Res. @ 25ºC**	0.991 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	79°C
				Locked-rotor Power Factor	33.1
				Rotor inertia	0.255 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	53	74	84	87	89	89
Efficiency	86.7	91	91.4	90.6	89.1	87.3
Speed	3575	3547	3516	3482	3445	3401
Line amperes	4.94	6.85	9.1	11.8	14.7	18

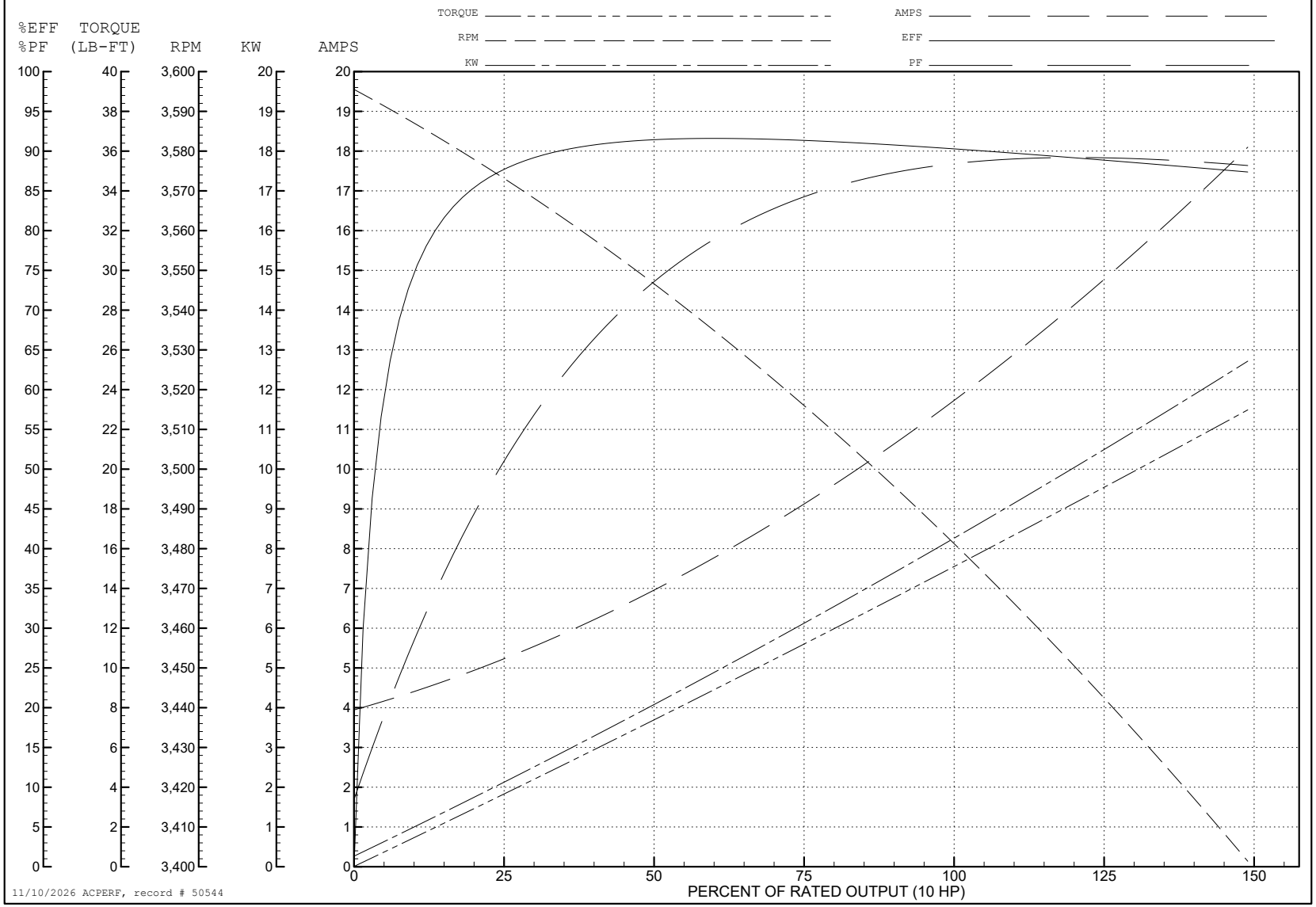
ABB Motors and Mechanical Inc.

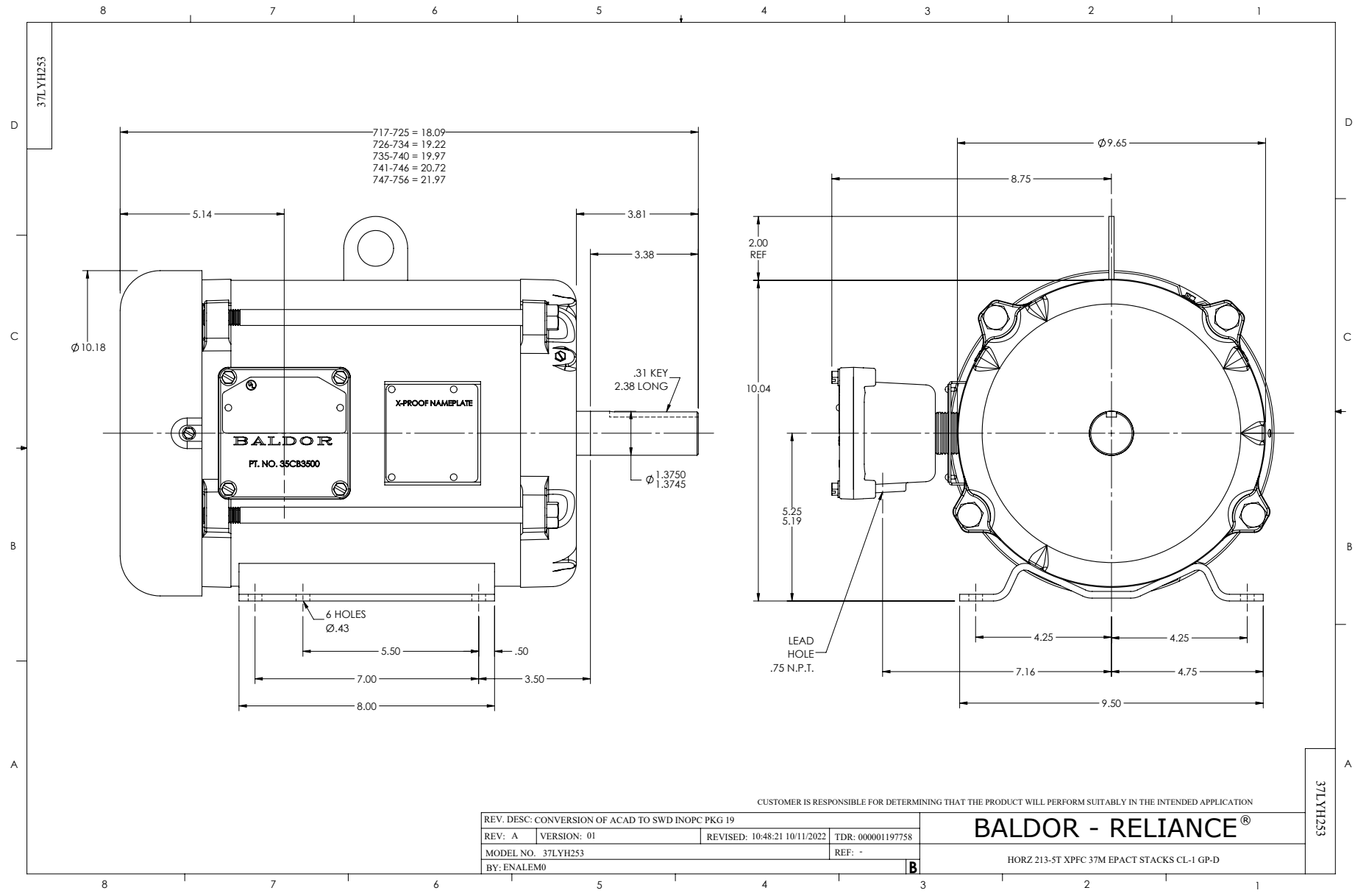
WINDING # 37WGS864

10 HP 3 PH 60 HZ 3490 RPM 460 V 3728M

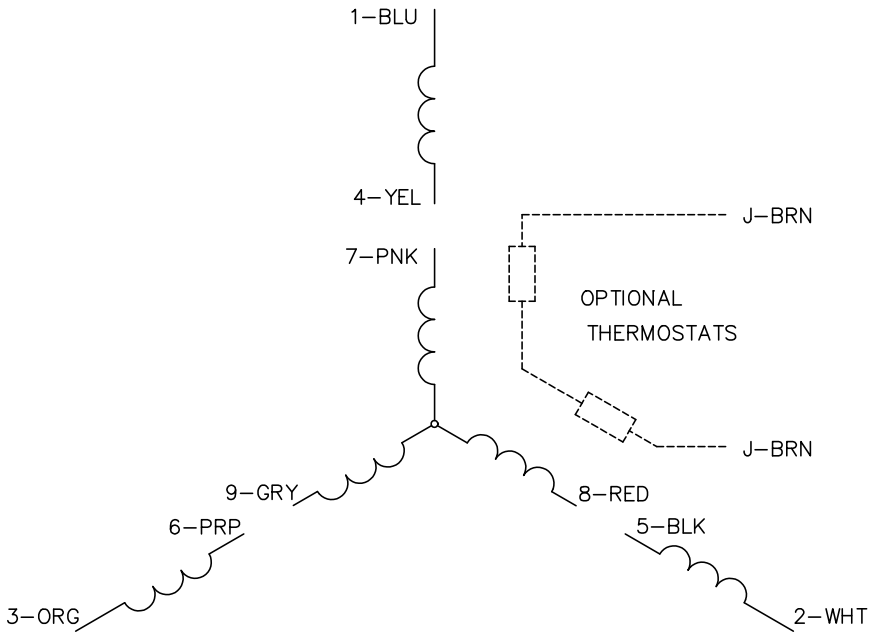
Typical performance - not guaranteed values.

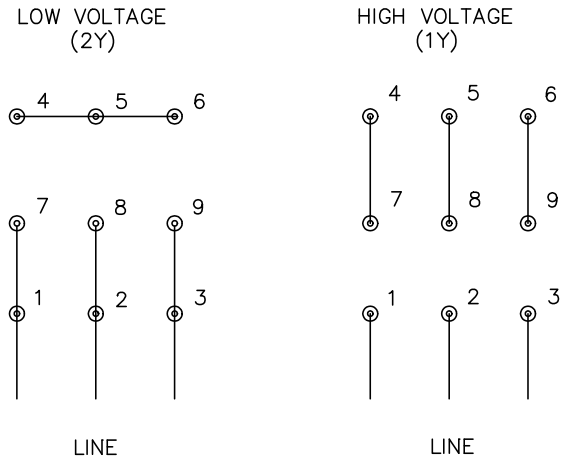
TORQUES(LB-FT): PO=45.7 PU=21.9 LR=25.4 LRA=76.1




37LYH253
717-725 = 18.09
726-734 = 19.22
735-740 = 19.97
741-746 = 20.72
747-756 = 21.97
5.14
3.81
3.38
Ø10.18
.31 KEY
2.38 LONG
X-PROOF NAMEPLATE
BALDOR
PT. NO. 35CB3500
Ø1.3750
1.3745
6 HOLES
Ø.43
5.50
.50
7.00
3.50
8.00
Ø9.65
8.75
2.00
REF
10.04
5.25
5.19
LEAD
HOLE
.75 N.P.T.
4.25
4.25
7.16
4.75
9.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERSION OF ACAD TO SWD INOPC PKG 19
REV: A
VERSION: 01
REVISED: 10:48:21 10/11/2022
TDR: 000001197758
MODEL NO. 37LYH253
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ 213-5T XPFC 37M EPACT STACKS CL-1 GP-D
37LYH253

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