

ABB BALDOR RELIANCE III

Customer information packet

EM7074T

10HP, 3490RPM, 3PH, 60HZ, 215T, 3728M, XPFC, F1

Class - CLI GP D

Division - Division I

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
Service Factor (S.F.)		1	No-load Current		4.12 A	
NEMA Nom. Eff.		90.2	Power Factor		87	Line-line Res. @ 25°C
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

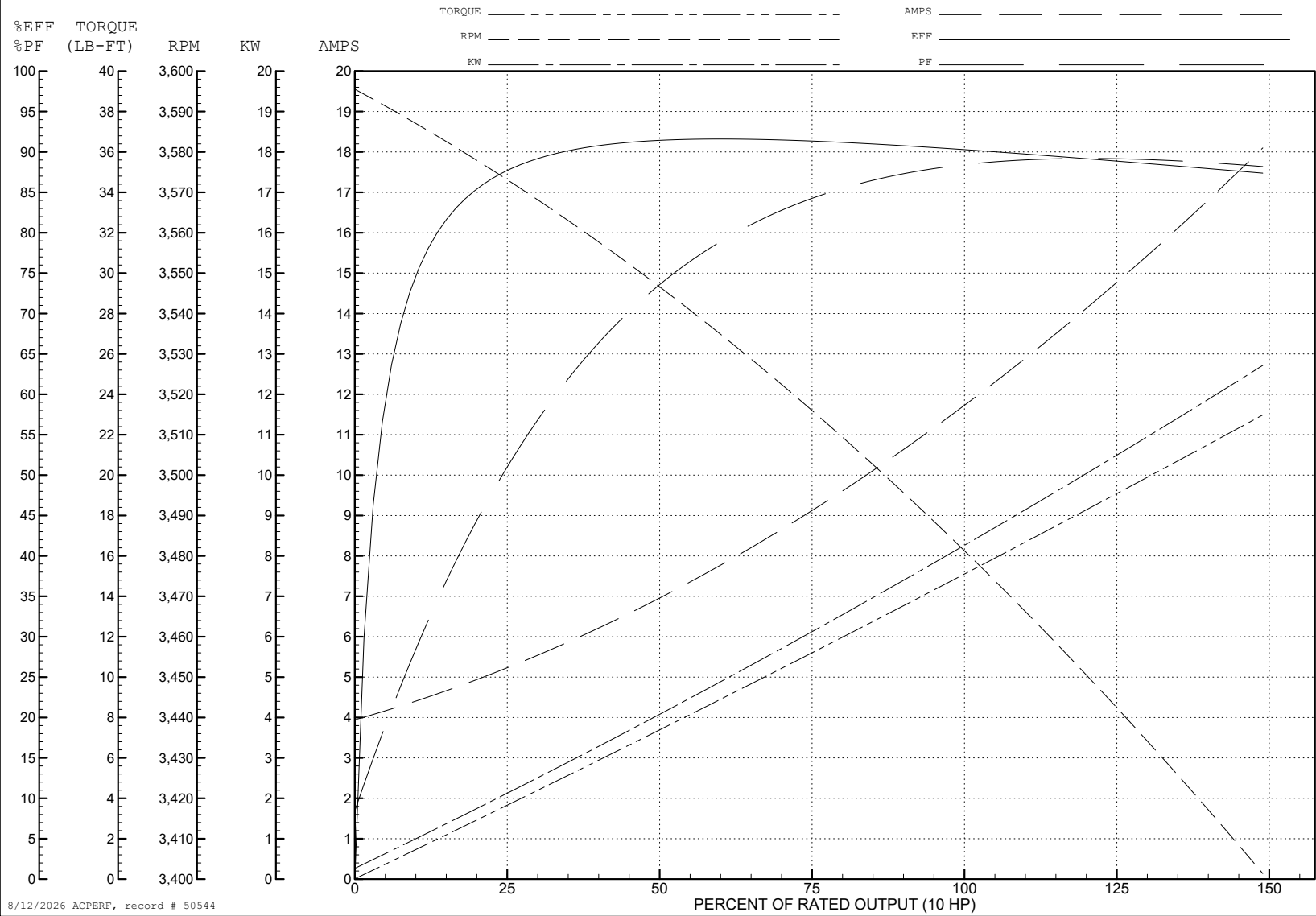
ABB Motors and Mechanical Inc.

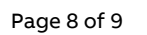
WINDING # 37WGS864

Typical performance - not guaranteed values.

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

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





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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005