

ABB BALDOR RELIANCE III

Customer information packet

VJPFPM3314T

15//10HP, 3475//2900RPM, 3PH, 60//50HZ, 215J

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	215JP
Frame Material	Steel
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ 10.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	3000 RPM @ 50 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 190.0 V @ 50 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ
Agency Approvals	UL CSA EEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	14.500 A @ 380.0 V 17.700 A @ 460.0 V 29.000 A @ 190.0 V 35.400 A @ 230.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %

Part Detail

Revision	K
Type	AC
Mech. spec.	37N800
Base	
Status	PRD/A
Elec. spec.	37WGR892
Layout	37LYN800
Eff. date	01-02-2026
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	12-09-2015

Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Drip Cover Mounting
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	14.5 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	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	3734M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	24.41 IN
Power Factor	88
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.250 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	2910 rpm 3480 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

NP3454L															
CAT.NO.	VJPFPM3314T				CUST P/N				I.P. 23						
SPEC.	37N800R892H1				SER.NO.				FRAME 215JP						
HZ	60	HP	15		RPM	3480		HZ	50		HP	10		RPM	2910
VOLTS	230/460				CODE	G		VOLTS	190/380				CODE	H	
AMPS	35.4/17.7				DES	B		AMPS	29/14.5				DES	B	
EFF	89.5	SER.F.	1.15		PF	88		EFF	90.2		SER.F.	1.15		PF	87
RATING	40C AMB-CONT					DE BRG	6309		GREASE	POLYREX EM					
BLANK						ODE BRG	6206		MTR. WT.	131					
						CLASS	F		PH	3					
						ENCL	OPSB		CC	010A					
HTR-VOLTS	HTR-AMPS		HTR-WATTS												

AC Induction Motor Performance Data

Record # 54324

Typical performance - not guaranteed values

Winding: 37WGR892-R001		Type: 3734M	Enclosure: OPSB
Nameplate Data		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15//10	Full Load Torque	22.7 LB-FT
Volts	230/460//190/380	Start Configuration	direct on line
Full Load Amps	35.4/17.7//29/14.5	Breakdown Torque	69.5 LB-FT
R.P.M.	3480//2910	Pull-up Torque	27.6 LB-FT
Hz	60//50 Phase	Locked-rotor Torque	32.9 LB-FT
NEMA Design Code	B KVA Code	Starting Current	110 A
Service Factor (S.F.)	1.15	No-load Current	5.57 A
NEMA Nom. Eff.	89.5 Power Factor	Line-line Res. @ 25°C	0.91103 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	55°C
S.F. Amps		Temp. Rise @ S.F. Load	71°C

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	58	78	85	89	90	89	90
Efficiency	89.6	91.8	91.4	90	88.1	85.8	88.9
Speed	3573.9	3546.2	3518.5	3484	3443.8	3400.3	3460
Line amperes	6.99	9.95	13.5	17.7	22.4	27.4	20.5

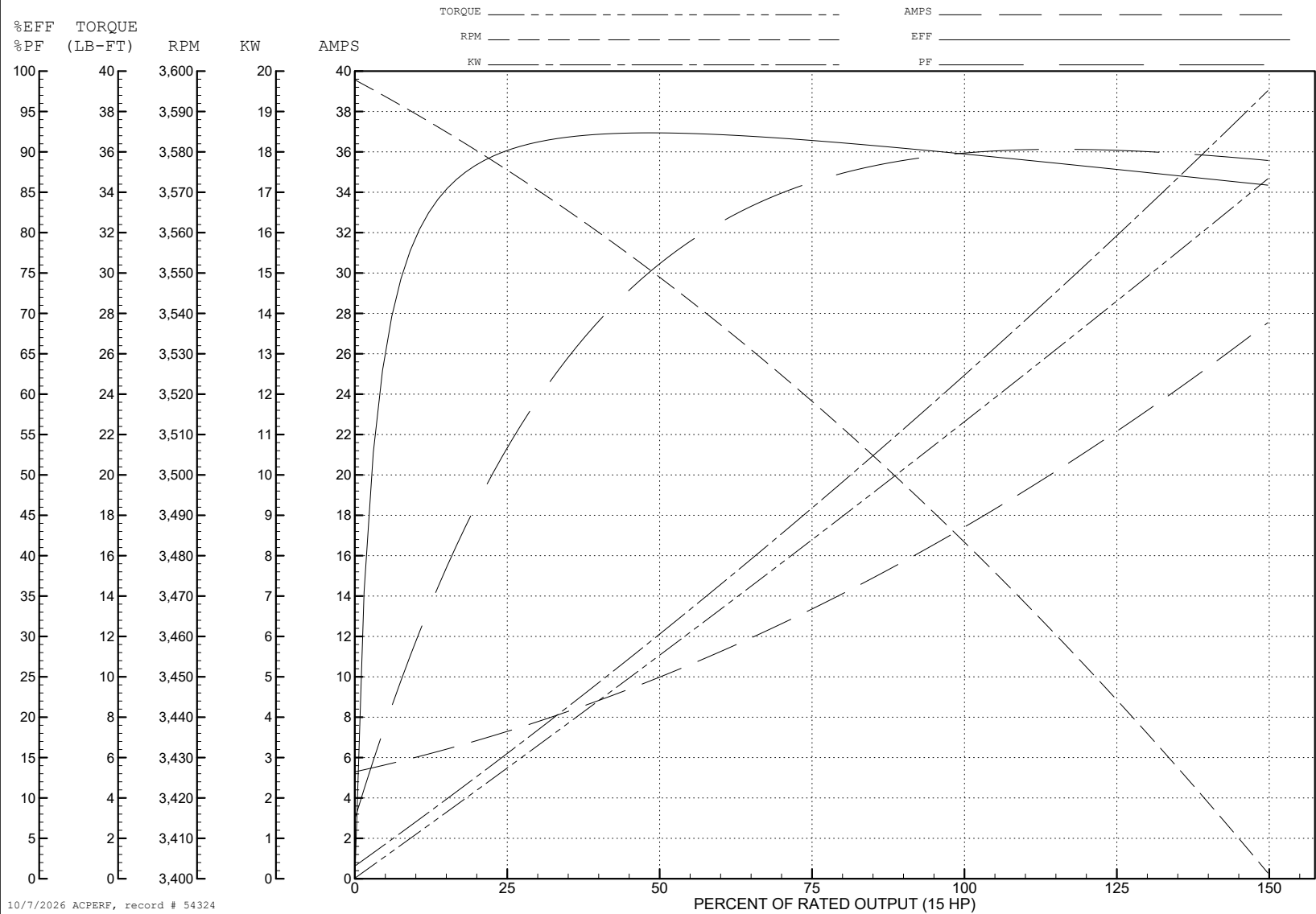
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WINDING # 37WGR892

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 3484 RPM 460 V 3734M

TORQUES (LB-FT): PO=69.5 PU=27.6 LR=32.9 LRA=110



AC Induction Motor Performance Data

Record # 54325

Typical performance - not guaranteed values

Winding: 37WGR892-R001		Type: 3734M	Enclosure: OPSB
Nameplate Data		380 V, 50 Hz: Single Voltage Motor	
Rated Output (HP)	15//10	Full Load Torque	18.2 LB-FT
Volts	230/460//190/380	Start Configuration	direct on line
Full Load Amps	35.4/17.7//29/14.5	Breakdown Torque	62 LB-FT
R.P.M.	3480//2910	Pull-up Torque	26.9 LB-FT
Hz	60//50 Phase	Locked-rotor Torque	32 LB-FT
NEMA Design Code	B KVA Code	Starting Current	104 A
Service Factor (S.F.)	1.15	No-load Current	5.32 A
NEMA Nom. Eff.	89.5 Power Factor	Line-line Res. @ 25°C	0.91015 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	36°C
S.F. Amps		Temp. Rise @ S.F. Load	45°C

Load Characteristics 380 V, 50 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	74	83	87	89	89	88
Efficiency	88.4	91.5	91.5	90.6	89.2	87.4	89.8
Speed	2979	2959.3	2937.2	2913.6	2888.1	2858.6	2898
Line amperes	6.34	8.44	11.3	14.4	17.9	21.7	16.5

ABB Motors and Mechanical Inc.

WINDING # 37WGR892

Typical performance - not guaranteed values.

10 HP 3 PH 50 HZ 2913.6 RPM 380 V 3734M

TORQUES (LB-FT) : PO=62 PU=26.9 LR=32 LRA=104

