



Customer information packet

VJPFPM3313T

10//7.5HP, 1760//1460RPM, 3PH, 60//50HZ, 215

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	7.500 HP @ 50 HZ 10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1500 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	11.700 A @ 380.0 V 12.700 A @ 460.0 V 23.400 A @ 190.0 V 25.400 A @ 230.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %

Part detail

Revision	G
Type	AC
Mech. spec.	37N800
Base	
Status	PRD/A
Elec. spec.	37WGR912
Layout	37LYN800
Eff. date	08-19-2022
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	03-17-2016

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	11.7 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
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	3738M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	24.41 IN
Power Factor	82
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	1465 rpm
	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

NP3454L															
CAT.NO.	VJPFPM3313T				CUST P/N				I.P.			23			
SPEC.	37N800R912H1				SER.NO.				FRAME			215JP			
HZ	60	HP	10		RPM	1760		HZ	50		HP	7.5		RPM	1465
VOLTS	230/460			CODE	H			VOLTS	190/380				CODE	H	
AMPS	25.4/12.7			DES	B			AMPS	23.4/11.7				DES	B	
EFF	89.5	SER.F.	1.15		PF	82		EFF	89.5		SER.F.	1.15		PF	81
RATING	40C AMB-CONT				DE BRG		6309			GREASE		POLYREX EM			
BLANK					ODE BRG		6206			MTR. WT.		130			
					CLASS		F		PH		3				
					ENCL		OPSB		CC		010A				
HTR-VOLTS				HTR-AMPS				HTR-WATTS							

AC Induction Motor Performance Data

Record # 56055

Typical performance - not guaranteed values

Winding: 37WGR912-R001			Type: 3738M		Enclosure: OPSB			
Nameplate Data				460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		10//7.5		Full Load Torque		29.9 LB-FT		
Volts		230/460//190/380		Start Configuration		direct on line		
Full Load Amps		25.4/12.7//23.4/11.7		Breakdown Torque		86.5 LB-FT		
R.P.M.		1760//1465		Pull-up Torque		44.4 LB-FT		
Hz		60//50	Phase	3	Locked-rotor Torque		52.5 LB-FT	
NEMA Design Code		B		KVA Code	H	Starting Current		80.5 A
Service Factor (S.F.)		1.15		No-load Current		5.06 A		
NEMA Nom. Eff.		89.5	Power Factor		82	Line-line Res. @ 25°C		1.2634 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		45°C		
S.F. Amps				Temp. Rise @ S.F. Load		56°C		

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	47	68	77	82	83	84	83
Efficiency	87.5	91	91.1	90.3	88.9	87.2	89.5
Speed	1791.8	1783.2	1773	1762.5	1750.9	1737.4	1756
Line amperes	5.84	7.61	9.99	12.7	15.8	19.2	14.6

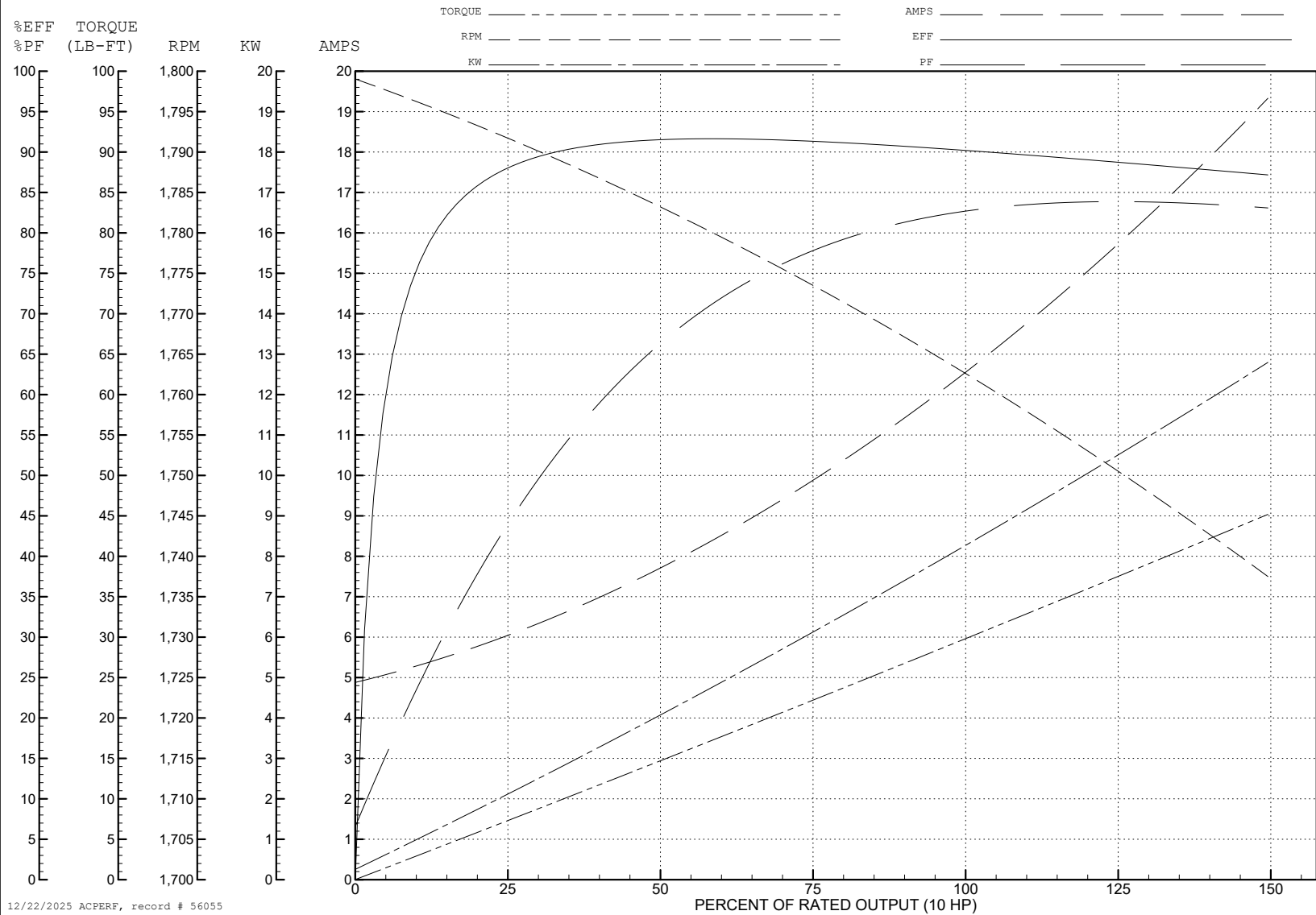
ABB Motors and Mechanical Inc.

WINDING # 37WGR912

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1762.5 RPM 460 V 3738M

TORQUES (LB-FT): PO=86.5 PU=44.4 LR=52.5 LRA=80.5



AC Induction Motor Performance Data

Record # 56073

Typical performance - not guaranteed values

Winding: 37WGR912-R001			Type: 3738M		Enclosure: OPSB			
Nameplate Data				380 V, 50 Hz: High Voltage Connection				
Rated Output (HP)		10//7.5		Full Load Torque		27 LB-FT		
Volts		230/460//190/380		Start Configuration		direct on line		
Full Load Amps		25.4/12.7//23.4/11.7		Breakdown Torque		82.6 LB-FT		
R.P.M.		1760//1465		Pull-up Torque		45.8 LB-FT		
Hz		60//50	Phase	3	Locked-rotor Torque		53.2 LB-FT	
NEMA Design Code		B		KVA Code	H	Starting Current		75.1 A
Service Factor (S.F.)		1.15		No-load Current		4.96 A		
NEMA Nom. Eff.		89.5	Power Factor	82	Line-line Res. @ 25°C		1.258 Ω	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		41°C		
S.F. Amps				Temp. Rise @ S.F. Load		51°C		

Load Characteristics 380 V, 50 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	44	66	77	81	84	84	83
Efficiency	86.8	90.6	91	90.2	88.9	87	89.4
Speed	1492.8	1485.3	1476.8	1467.6	1457.7	1444.8	1462
Line amperes	5.62	7.15	9.23	11.7	14.3	17.4	13.3

ABB Motors and Mechanical Inc.

WINDING # 37WGR912

Typical performance - not guaranteed values.

7.5 HP 3 PH 50 HZ 1467.6 RPM 380 V 3738M

TORQUES (LB-FT): PO=82.6 PU=45.8 LR=53.2 LRA=75.1

