

BALDOR® • RELIANCE™

Customer information packet

EJMM3713T

15HP, 3500RPM, 3PH, 60HZ, 215JM, 3752M, TEFC, F

Class - None

Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	215JM
Frame Material	Steel
Frequency	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
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ 230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	UR CSA CSA EEV
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	36.800 A @ 208.0 V 34.000 A @ 230.0 V 17.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part detail

Revision	S
Type	AC
Mech. spec.	37M031
Base	
Status	PRD/A
Elec. spec.	37WGR228
Layout	37LYM031
Eff. date	05-02-2024
CD Diagram	CD0180
Poles	02
Leads	9#14
Proprietary	False
Created date	05-19-2015

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	17.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	Standard 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	3752M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	22.39 IN
Power Factor	89
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3500 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

NP3441LUA

CAT.NO.	EJMM3713T						
SPEC	37M031R228G2						
HP	15						
VOLTS	208-230/460						
AMPS	36.8-34/17						
RPM	3500						
FRAME	215JM		HZ	60		PH	3
SF	1.15	CODE	J	DES	A	CLASS	F
NEMA NOM. EFF	91	PF	89				
RATING	40C AMB-CONT						
CC	010A						
ENCL	TEFC	SER					
DE	6309	ODE	6206				
VPWM INVERTER READY							
CT6-60H(10:1)VT3-60H(20:1	50Hz 15HP 190/380V 40.8/20.4A						SF1.0

AC Induction Motor Performance Data

Record # 84035

Typical performance - not guaranteed values

Winding: 37WGR228-R001		Type: 3752M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)	15	Full Load Torque	22.12 LB-FT				
Volts	208-230/460	Start Configuration	direct on line				
Full Load Amps	36.8-34/17	Breakdown Torque	103 LB-FT				
R.P.M.	3500	Pull-up Torque	40.16 LB-FT				
Hz	60 Phase	3	Locked-rotor Torque	57.59 LB-FT			
NEMA Design Code	A	KVA Code	J	Starting Current	150 A		
Service Factor (S.F.)	1.15	No-load Current	5.55 A				
NEMA Nom. Eff.	91	Power Factor	89	Line-line Res. @ 25°C	0.47 Ω		
Rating - Duty	40C	AMB-CONT	Temp. Rise @ Rated Load	68°C			
S.F. Amps			Temp. Rise @ S.F. Load	84°C			
		Locked-rotor Power Factor	30.9				
		Rotor inertia	0.474 lb-ft ²				

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	78	85	89	90	90	90
Efficiency	86.7	91	91.9	91.4	90.8	89.8	91
Speed	3579	3557	3534	3500	3484	3456	3490
Line amperes	6.7	9.57	13.19	17.03	21.12	25.61	19.5

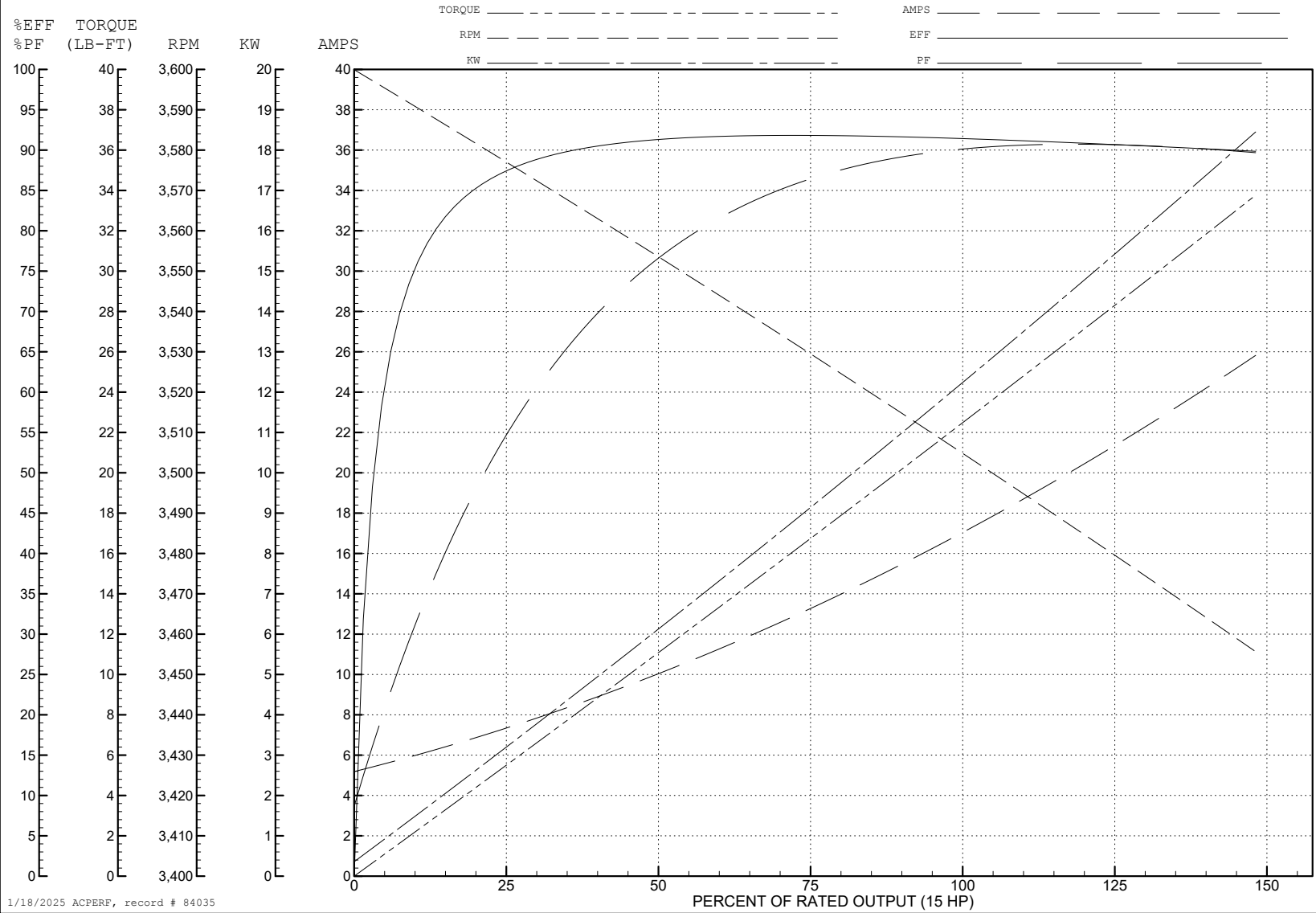
ABB Motors and Mechanical Inc.

WINDING # 37WGR228

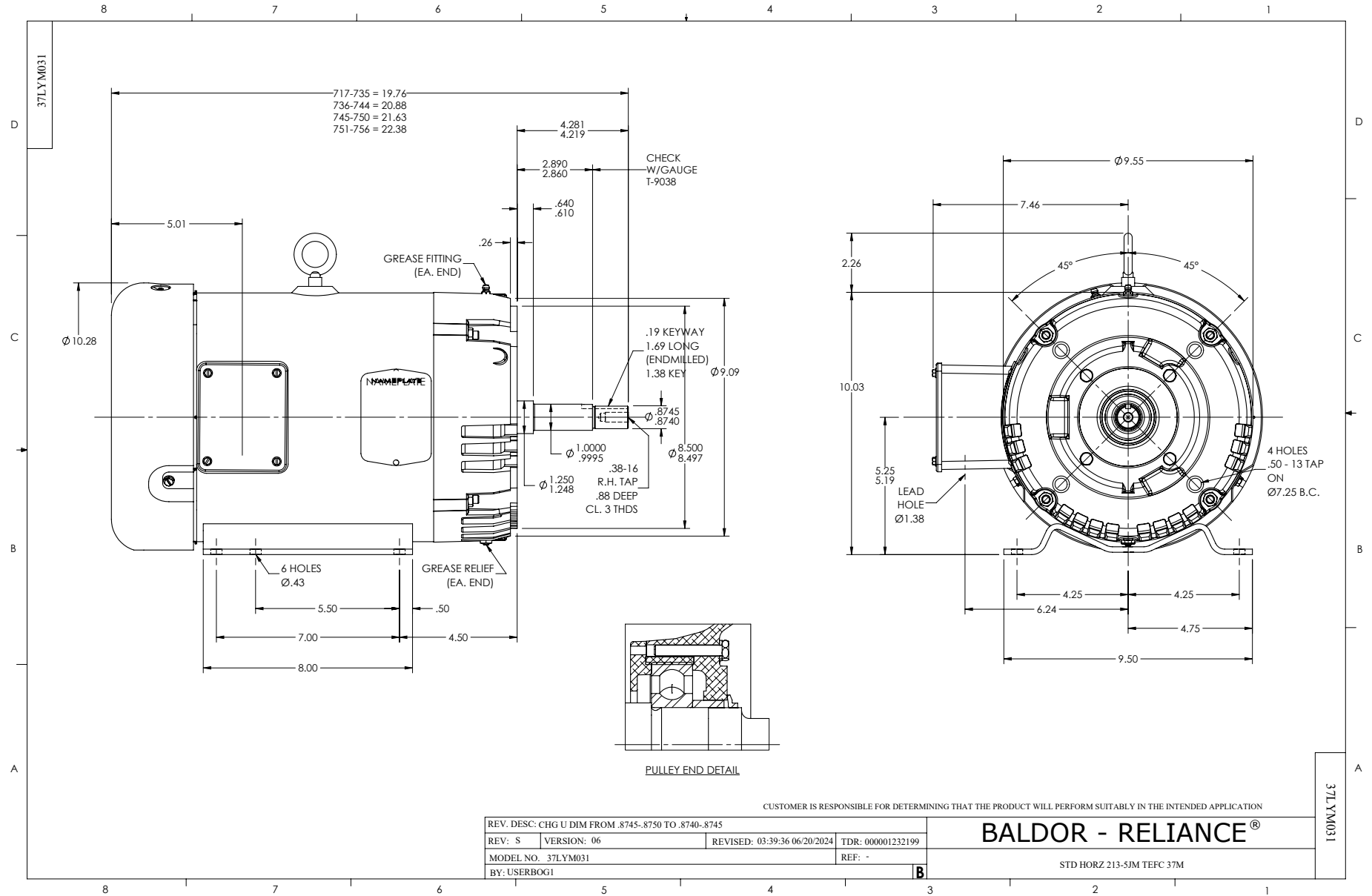
Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 3500 RPM 460 V 3752M

TORQUES (LB-FT): PO=103 PU=40.16 LR=57.59 LRA=150



1/18/2025 ACPERF, record # 84035



CD0180



LOW VOLTAGE
(2D)



HIGH VOLTAGE
(1D)



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.

CD0180

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3PH, DV, 9 LEADS, DELTA CONNECTION

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