ABB BALDOR RELIANCE

Customer information packet

JMFSWDM3713T-E

15HP, 3500RPM, 3PH, 60HZ, 213JM, 3756M, TEFC, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	213JM
Frame Material	Stainless 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	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA EEV
	NEMA PREMIUM
	UR
	CSA
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	34.000 A @ 230.0 V
	37.000 A @ 208.0 V
	17.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None

Part Detail

Revision	Q
Type	AC
Mech. spec.	37Q257
Base	
Status	PRD/A
Elec. spec.	37WGR515
Layout	37LYQ257
Eff. date	01-29-2026
CD Diagram	CD0180
Poles	02
Leads	9#14,0#0 dbl dip & bake,0#0 phase insulate,0#0 CD0180 & Y
Proprietary	False
Created date	04-10-2018

Heater Indicator	No Heater
High Voltage Full Load Amps	17.0 a
Insulation Class	H
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	@ 0 AWG 9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3756M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	23.56 IN
Power Factor	90
Product Family	WD All SS Encapsulated
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
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

NP4427AAA05												
CAT #	JMFSWDM3713T-E			**WGT**		**LBS**						
SPEC	37Q257R515G1			**ENCL**	TEFC							
SER #				**CC**	010A	**IP**	69					
HP	15			**MAG CUR**	11/5.5							
VOLTS	230/460					**NEMA NOM. EFF**		91.7				
AMPS	34/17					**PF**	90					
RATING	40C AMB-CONT											
RPM	3500					**MAX RPM**	5400					
FRAME	213JM	**HZ**	60	**CODE**	L	**CLASS**	H					
SER.F.	1.15	**SF AMP**	38/19			**PH**	3	**DES**	A			
DE	6309			**ODE**	6307							
LUBRICATION	POLYREX EM											
ID LOGO	**INV TYPE:**		**VPWM**	**CHP**	60	**TO**	90		1.5:1			
ID LOGO	**WK2**	0.512	**CT**	15	**TO**	60	4:1					
ID LOGO	**SL HZ**	1.7	**VT**	6	**TO**	60	10:1					
										QR		
YR												

AC Induction Motor Performance Data
Record # 43026
Typical performance - not guaranteed values

Winding: 37WGR515-R001	**Type:** 3756M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			15	**Full Load Torque**	22.4 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			34/17	**Breakdown Torque**	129 LB-FT
R.P.M.			3500	**Pull-up Torque**	62.1 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	81.4 LB-FT
NEMA Design Code	A	**KVA Code**	L	**Starting Current**	187 A
Service Factor (S.F.)			1.15	**No-load Current**	5.43 A
NEMA Nom. Eff.	91.7	**Power Factor**	90	**Line-line Res. @ 25ºC**	0.42167 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	78°C
S.F. Amps				**Temp. Rise @ S.F. Load**	96°C
				Locked-rotor Power Factor	30
				Rotor inertia	0.512 LB-FT2

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	59	82	87	90	92	93	91
Efficiency	88.1	92	92.4	91.9	91.1	89.9	91.4
Speed	3575.6	3551.4	3525.1	3498.7	3469.7	3437.4	3481
Line amperes	6.71	9.36	13.1	16.9	20.8	25.3	19.2

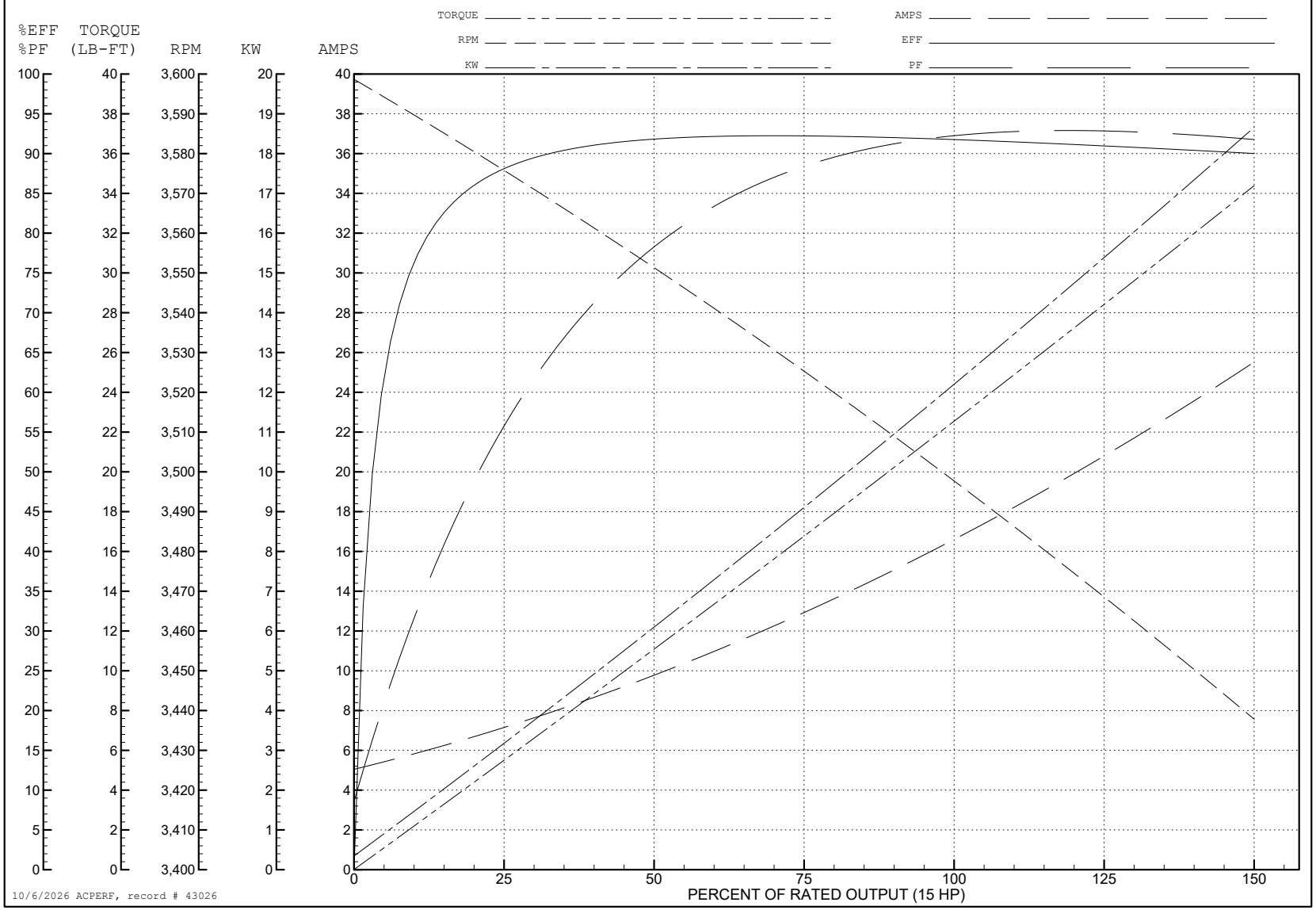
ABB Motors and Mechanical Inc.

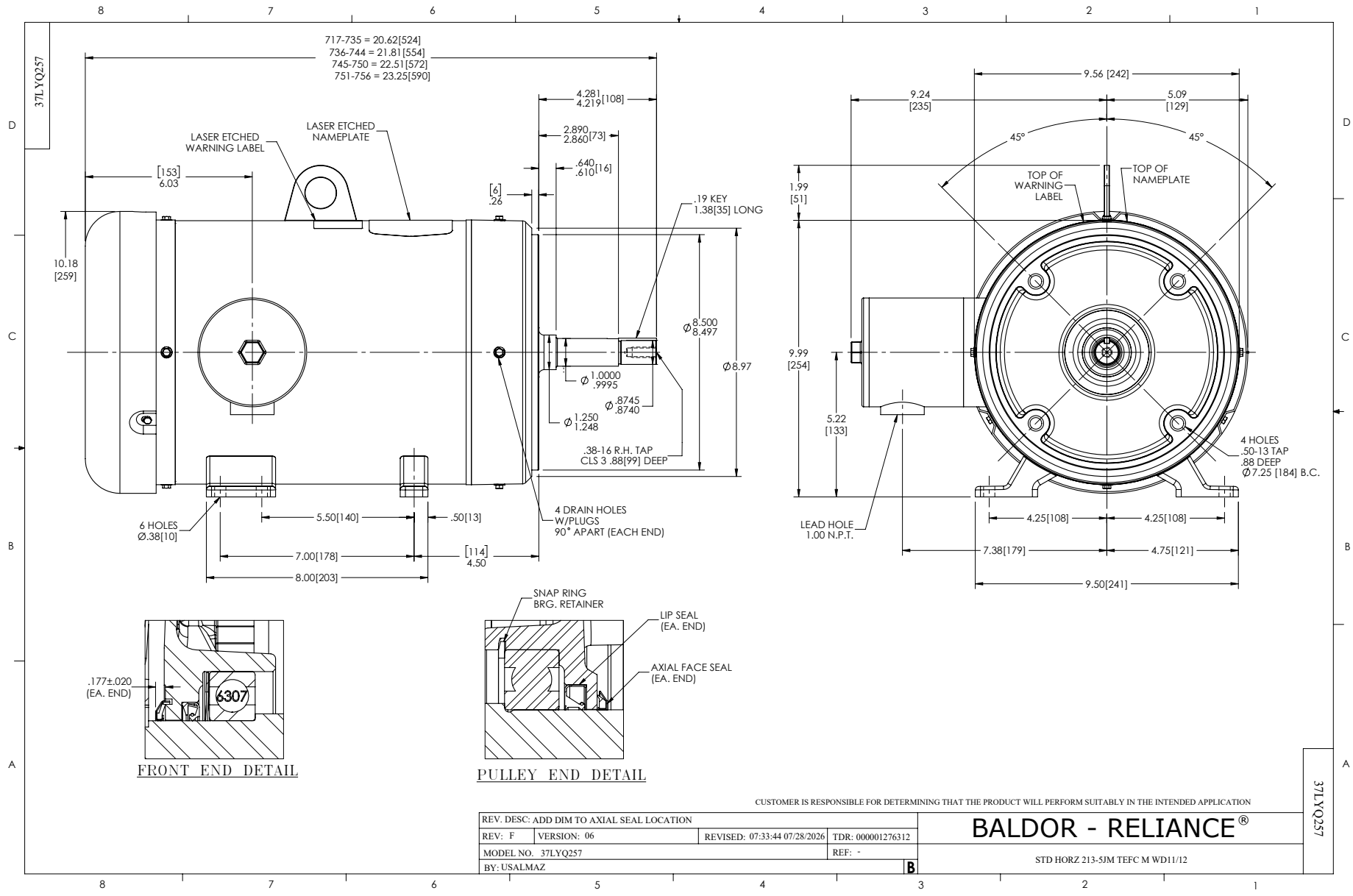
WINDING # 37WGR515

15 HP 3 PH 60 HZ 3500 RPM 460 V 3756M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=129 PU=62.1 LR=81.4 LRA=187

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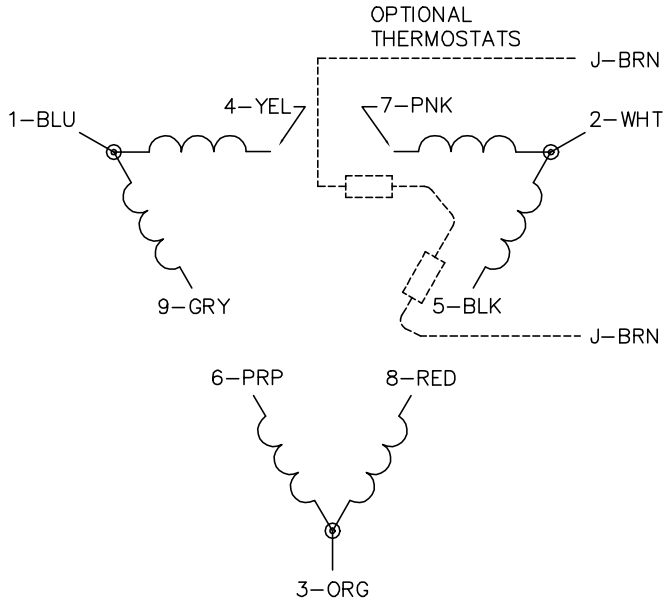
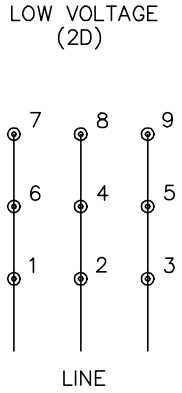
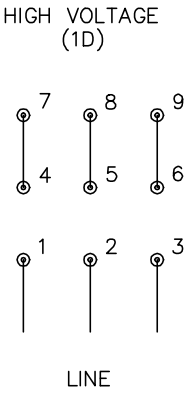
717-735 = 20.62[524]
736-744 = 21.81[554]
745-750 = 22.51[572]
751-756 = 23.25[590]
4.281
4.219[108]
2.890
2.860[73]
.640
.610[16]
[6]
.26
LASER ETCHED WARNING LABEL
LASER ETCHED NAMEPLATE
[153]
6.03
10.18
[259]
.19 KEY
1.38[35] LONG
Ø8.500
8.497
Ø8.97
Ø 1.0000
.9995
Ø .8745
.8740
Ø 1.250
1.248
.38-16 R.H. TAP
CLS 3 .88[99] DEEP
4 DRAIN HOLES
W/PLUGS
90° APART (EACH END)
6 HOLES
Ø.38[10]
5.50[140]
.50[13]
7.00[178]
[114]
4.50
8.00[203]
9.56 [242]
9.24
[235]
5.09
[129]
45°
45°
TOP OF WARNING LABEL
TOP OF NAMEPLATE
1.99
[51]
9.99
[254]
5.22
[133]
4 HOLES
.50-13 TAP
.88 DEEP
Ø7.25 [184] B.C.
LEAD HOLE
1.00 N.P.T.
4.25[108]
4.25[108]
7.38[179]
4.75[121]
9.50[241]
.177±.020
(EA. END)
6307
FRONT END DETAIL
SNAP RING
BRG. RETAINER
LIP SEAL
(EA. END)
AXIAL FACE SEAL
(EA. END)
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD DIM TO AXIAL SEAL LOCATION
REV: F
VERSION: 06
REVISED: 07:33:44 07/28/2026
TDR: 000001276312
MODEL NO. 37LYQ257
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
STD HORZ 213-5JM TEFC M WD11/12
37LYQ257

CD0180







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

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1