

**BALDOR® • RELIANCE** 

**Product Information Packet**

**JMFSWDM3713T-E**

**15HP,3500RPM,3PH,60HZ,213JM,3756M,TEFC,F**

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGR515	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	37Q257	Layout:	37LYQ257	Poles:	02	Created Date:	04-10-2018
Base:	RG	Eff. Date:	04-29-2021	Leads:	9#14,0#0 dbl dip & bake,0#0 phase insulate,0#0 CD0180 & Y		

Specs			
Catalog Number:	JMFSWDM3713T-E	Insulation Class:	H
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	213JM	KVA Code:	L
Frame Material:	Stainless Steel	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	15.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	@ 0 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ		9 @ 14 AWG
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3756M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	90
	CSA EEV	Product Family:	WD All SS Encapsulated
	CSA	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Tapped & Key
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding

<b>Current @ Voltage:</b>	17.000 A @ 460.0 V	<b>Shaft Rotation:</b>	Reversible
	34.000 A @ 230.0 V	<b>Shaft Slinger Indicator:</b>	No Slinger
	37.000 A @ 208.0 V	<b>Speed Code:</b>	Single Speed
<b>Design Code:</b>	A	<b>Motor Standards:</b>	NEMA
<b>Drip Cover:</b>	No Drip Cover	<b>Starting Method:</b>	Direct on line
<b>Duty Rating:</b>	CONT	<b>Thermal Device - Bearing:</b>	None
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Thermal Device - Winding:</b>	None
<b>Feedback Device:</b>	NO FEEDBACK	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Front Shaft Indicator:</b>	None	<b>Winding Thermal 1:</b>	None
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 2:</b>	None

<b>Nameplate NP1953K02</b>										
<b>CAT.NO.</b>	JMFSWDM3713T-E									
<b>SPEC.</b>	37Q257R515G1									
<b>HP</b>	15									
<b>VOLTS</b>	230/460									
<b>AMPS</b>	34/17									
<b>R.P.M.</b>	3500									
<b>FRAME</b>	213JM				<b>HZ</b>	60			<b>PH</b>	3
<b>SER.F.</b>	1.15		<b>CODE</b>	L	<b>DES.</b>	A		<b>CLASS</b>	H	
<b>NEMA NOM. EFF.</b>	91.7			<b>P.F.</b>	90					
<b>RATING</b>	40C AMB-CONT									
<b>CC</b>	010A				<b>USABLE AT 208V</b>					37
<b>DE</b>	6309				<b>ODE</b>	6307				
<b>ENCL</b>	TEFC		<b>SN</b>							
	4:1 CT, 10:1 VT									

Parts List		
Part Number	Description	Quantity
SA354596	SA 37Q257R515G1	1.000 EA
RA343456	RA 37Q257R515G1	1.000 EA
36FN3000A02SP	EXFN, PLASTIC, 7.00 OD, 1.175 ID	1.000 EA
37CB1012A01	37 MACH. MID SECTION - 3 PC. CONDUIT BOX	1.000 EA
RM1070A81	O-RING, -043 VITON/FKM .070CS X 3.489ID	1.000 EA
10XN1032FS08	HEX HD CAP SCREW 10-32 X 1/2 SS FOOD SAF	3.000 EA
11XW1032G08	10-32 X .50, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
37EP1920A03	FREP, TEFC MACH - 307 BRG WD11/12 (STAIN	1.000 EA
RM1070A48	O-RING, .070 C.S. X 8.656 ID, VITON	1.000 EA
HW4600F35	35 X 52 X 8 LIP SEAL, GRAPHITE INFUSED V	1.000 EA
HW4600F34	35 X 53 X 4.5 AFX SEAL, GRAPHITE INFUSED	1.000 EA
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	3.000 EA
HA4002A03	#304 S.S. DRAIN FITTING, .125 NPT (.44 H	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
37EP1926A02	PUEP, MACH - 309 BRG WD11/12 (STAINLESS)	1.000 EA
RM1070A48	O-RING, .070 C.S. X 8.656 ID, VITON	1.000 EA
HW4600F80	45 X 62 X 4.5 AFS SEAL, GRAPHITE INFUSED	1.000 EA
HW4600F81	45 X 68 X 10 LIP SEAL, GRAPHITE INFUSED	1.000 EA
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	3.000 EA
HA4002A03	#304 S.S. DRAIN FITTING, .125 NPT (.44 H	1.000 EA
RM1070A47	O-RING, -011 VITON/FKM .070CS X .301ID	4.000 EA
11XB1214S16	12-14X1.00 HXWSSLD TYP B STAINLESS	1.000 EA
37FH4000A45	STAINLESS FAN COVER, NO GREASER SLOT (FO	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
10XN1032FS06	HEX HD CAP SCREW 10-32 X 3/8 SS FOOD SAF	3.000 EA
35CB1511A01	35-36-37 MACH. LID - 3 PC. CONDUIT BOX	1.000 EA
RM1070A81	O-RING, -043 VITON/FKM .070CS X 3.489ID	1.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.005 QT
MJ5004A93	FOOD GRADE (H1 RATED) ANTISEIZE THRD COM	0.005 EA
HA1025A21	WSHR,FELT .125" THK	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
WD5603A01	KIT, CLOSED-END LEAD SPLICE (18-14GA)	1.000 EA
HA3104FS31	THRUBOLT, 5/16-18 X 15.875 SS FOOD SAFE	4.000 EA
37PA1067	PALLET PACK GROUP, BLANK PK1156	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
11XB1214S16	12-14X1.00 HXWSSLD TYP B STAINLESS	1.000 EA
HA5027A07	85XU1208S08 FACE DRAIN PINS BAGGED	1.000 EA
FE-0000002	ZRTG FE ASSEMBLY	1.000 EA
PE-0000002	ZRTG PE ASSEMBLY	1.000 EA

**AC Induction Motor Performance Data**

Record # 43026

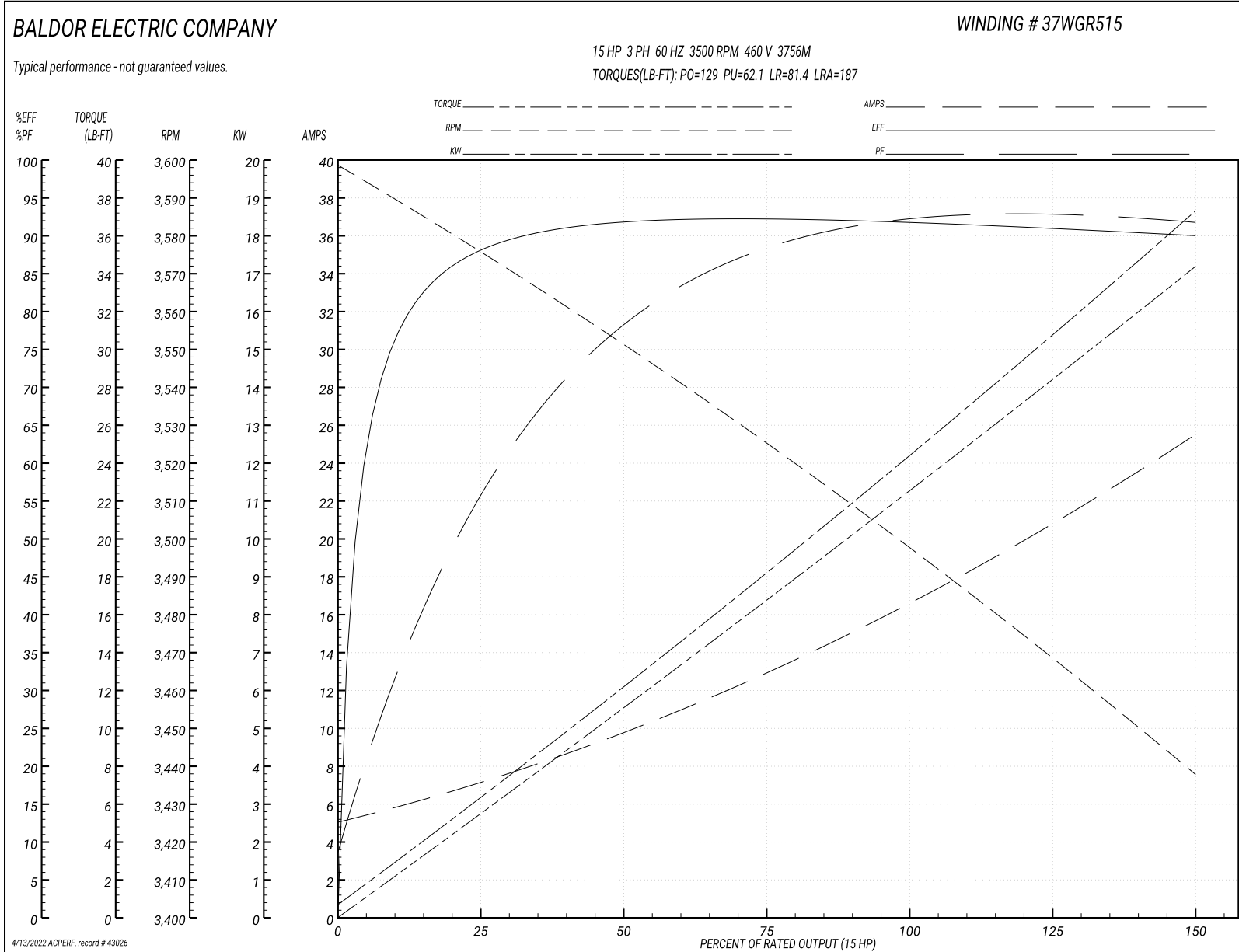
Typical performance - not guaranteed values

Winding: 37WGR515-R001		Type: 3756M	Enclosure: TEFC
<b>Nameplate Data</b>		<b>460 V, 60 Hz: High Voltage Connection</b>	
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	Locked-rotor Torque	81.4 LB-FT
NEMA Design Code	A KVA Code	Starting Current	187 A
Service Factor (S.F.)	1.15	No-load Current	5.43 A
NEMA Nom. Eff.	91.7 Power Factor	Line-line Res. @ 25°C	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-FT <sup>2</sup>

**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

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values







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

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

**BALDOR - RELIANCE®**

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1