

BALDOR® • RELIANCE 

Product Information Packet

JMFSWDM3611T-E

3HP, 1760RPM, 3PH, 60HZ, 182JM, 3636M, TEFC, F1

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGS987	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36R563	Layout:	36LYR563	Poles:	04	Created Date:	08-17-2017
Base:	RG	Eff. Date:	04-28-2021	Leads:	9#16		

Specs			
Catalog Number:	JMFSWDM3611T-E	Insulation Class:	H
Enclosure:	TEFC	Inverter Code:	Inverter Ready
Frame:	182JM	KVA Code:	K
Frame Material:	Stainless Steel	Lifting Lugs:	Standard Lifting Lugs
Motor Letter Type:	Three Phase	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	3.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3636M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	76
Agency Approvals:	CSA	Product Family:	WD All SS Encapsulated
	UR	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	8.400 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	8.800 A @ 208.0 V	Shaft Rotation:	Reversible
	4.200 A @ 460.0 V	Shaft Slinger Indicator:	Shaft Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1953N01										
CAT.NO.	JMFSWDM3611T-E									
SPEC.	36R563S987G1									
HP	3									
VOLTS	230/460									
AMPS	8.4/4.2									
R.P.M.	1760									
FRAME	182JM				HZ	60			PH	3
SER.F.	1.15		CODE	K	DES.	B		CLASS	H	
NEMA NOM. EFF.	89.5				P.F.	76				
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V	8.8				
DE	6207				ODE	6206				
ENCL	TEFC		SN							
	4:1CT, 10:1VT									

Parts List		
Part Number	Description	Quantity
SA346086	SA 36R563S987G1	1.000 EA
RA334590	RA 36R563S987G1	1.000 EA
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
35CB1012A01	35-36 MACH MID SECTION - 3 PC. CONDUIT B	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
36EP1920A02	FREP TEFC 206 BRG WD11/12 (STAINLESS)	1.000 EA
RM1070A42	O-RING,(#70-7.239) VITON .070X7.239	1.000 EA
HW4600G02	30 X 47 X 8 LIP SEAL, GRAPHITE INFUSED V	1.000 EA
HW4600F25	30 X 48 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
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
36EP1926A02	PUEP 182-4C ENCL 207 BRG WD11/12 (STAINL	1.000 EA
RM1070A42	O-RING,(#70-7.239) VITON .070X7.239	1.000 EA
HW4600F35	35 X 52 X 8 LIP SEAL, GRAPHITE INFUSED V	1.000 EA
HW4600F79	35 X 52 X 4.5 AFS 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
RM1070A14	O-RING, -010 VITON/FKM .070CS X .239ID	4.000 EA
11XB1214S16	12-14X1.00 HXWSSLD TYP B STAINLESS	1.000 EA
36FH4007	FAN COVER #304 STAINLESS W/OUT GREASER	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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, POLYREX EM EXXON	0.050 LB
WD5603A01	KIT, CLOSED-END LEAD SPLICE (18-14GA)	1.000 EA
HA3101FS29	THRUBOLT, 1/4-20 X 13.000 SS FOOD SAFE	4.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
HA5027A07	85XU1208S08 FACE DRAIN PINS BAGGED	1.000 EA
FE-0000006	ZRTG FE ASSEMBLY	1.000 EA
PE-0000005	ZRTG PE ASSEMBLY	1.000 EA
PE-0000006	ZRTG FE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 39149

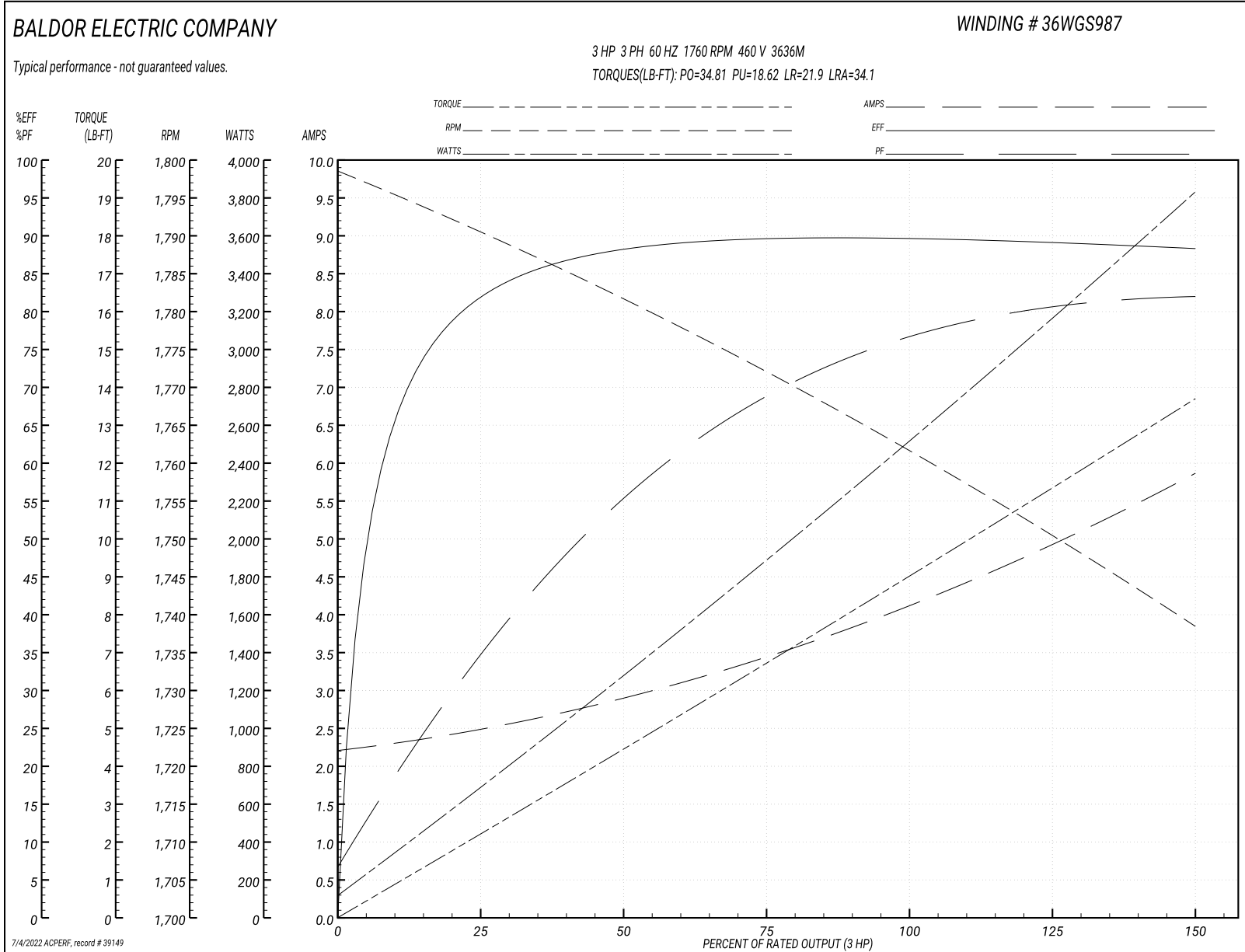
Typical performance - not guaranteed values

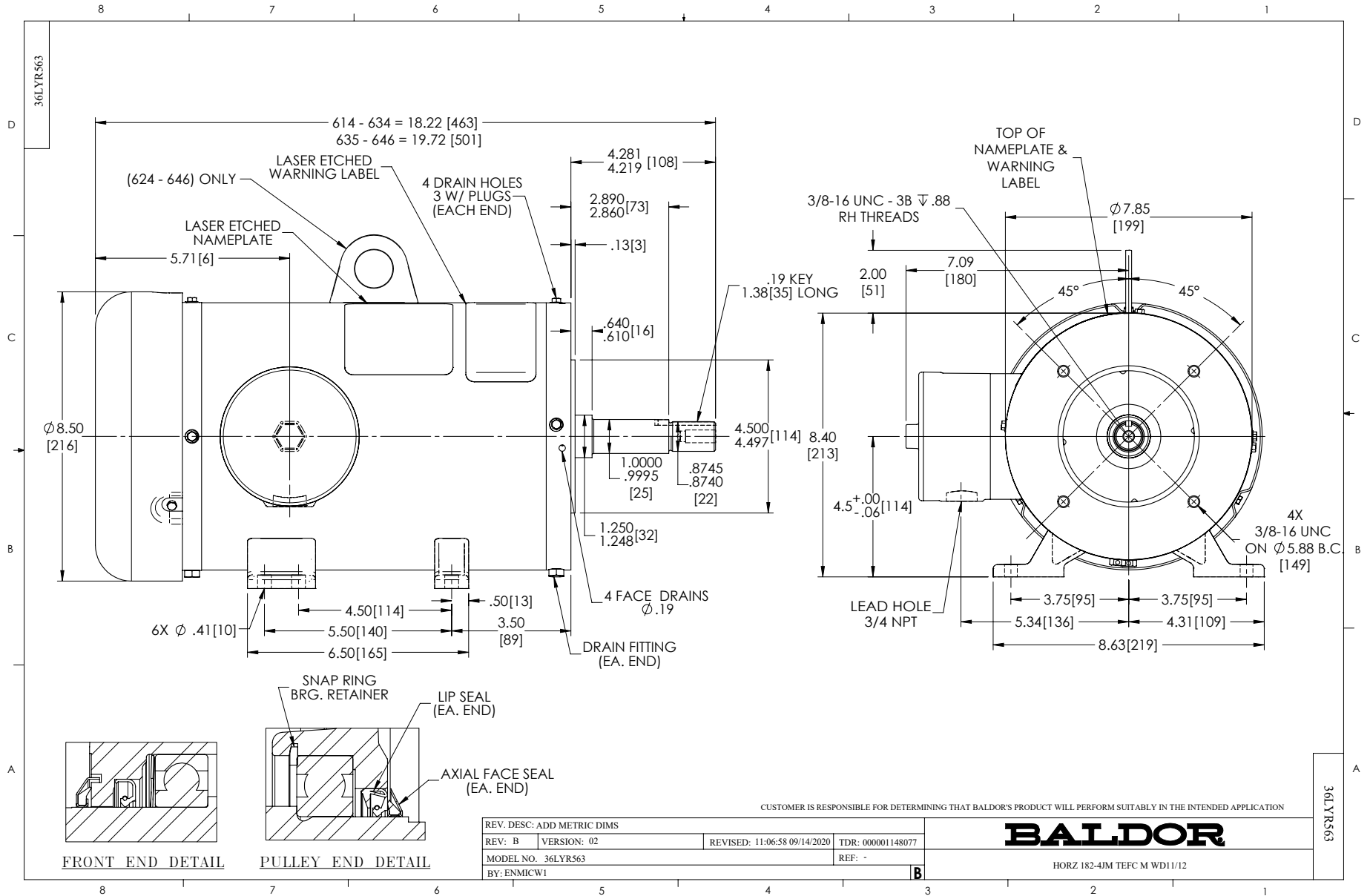
Winding: 36WGS987-R001		Type: 3636M	Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	3	Full Load Torque	9.04 LB-FT	
Volts	230/460	Start Configuration	direct on line	
Full Load Amps	8.4/4.2	Breakdown Torque	34.81 LB-FT	
R.P.M.	1760	Pull-up Torque	18.62 LB-FT	
Hz	60 Phase	Locked-rotor Torque	21.9 LB-FT	
NEMA Design Code	B KVA Code	Starting Current	34.1 A	
Service Factor (S.F.)	1.15	No-load Current	2.25 A	
NEMA Nom. Eff.	89.5 Power Factor	Line-line Res. @ 25°C	3.58 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	62°C	
S.F. Amps		Temp. Rise @ S.F. Load	74°C	
		Locked-rotor Power Factor	41	
		Rotor inertia	0.335 LB-FT ²	

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	57	69	76	80	83	78
Efficiency	82	88	89.6	89.8	89.2	88.3	89.3
Speed	1790	1781	1772	1762	1751	1738	1755
Line amperes	2.45	2.86	3.46	4.17	4.95	5.83	4.65

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values





CD0005



LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
90000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005