

BALDOR® • RELIANCE 

Product Information Packet

JMFSWDM3558T-E

2HP, 1755RPM, 3PH, 60HZ, 145JM, 3538M, TEFC, F1

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGP567	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35E4781	Layout:	35LYE4781	Poles:	04	Created Date:	11-07-2017
Base:	RG	Eff. Date:	04-28-2021	Leads:	9#18		

Specs			
Catalog Number:	JMFSWDM3558T-E	Inverter Code:	Inverter Ready
Enclosure:	TEFC	KVA Code:	L
Frame:	145JM	Lifting Lugs:	No Lifting Lugs
Frame Material:	Stainless Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	2.000 HP @ 60 HZ	Motor Finish:	UNPAINTED
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3538M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	78
	UR	Product Family:	WD All SS Encapsulated
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	Rigid	Pulley Shaft Indicator:	Tapped & Key
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT
Current @ Voltage:	2.700 A @ 460.0 V	Shaft Extension Location:	Pulley End

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

Nameplate NP1953A01										
CAT.NO.	JMFSWDM3558T-E									
SPEC.	35E4781P567G1									
HP	2									
VOLTS	230/460									
AMP	5.4/2.7									
RPM	1755									
FRAME	145JM				HZ	60			PH	3
SER.F.	1.15		CODE	L	DES	B		CLASS	H	
NEMA-NOM-EFF	88.5			PF	78					
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V			5.7		
DE	6206			ODE	6205					
ENCL	TEFC		SN							
	4:1CT, 10:1VT									

Parts List		
Part Number	Description	Quantity
SA350724	SA 35E4781P567G1	1.000 EA
RA339389	RA 35E4781P567G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
35CB1012A01	35-36 MACH MID SECTION - 3 PC. CONDUIT B	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
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
35EP1940A05	FRONT TEFC 205 BRG (STAINLESS)	1.000 EA
RM1070A25	O-RING, VITON/FKM .070CS X 6.190ID	1.000 EA
HW4600G01	.984X1.499X.25 VITON SLICK SERIES LIP	1.000 EA
HW4600E99	25 X 42 X 6 AFX SEAL, GRAPHITE INFUSED V	1.000 EA
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	3.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
35EP1936A02	PU EP ENCL 206 BRG 56C/143-5TC (STAINLES	1.000 EA
RM1070A25	O-RING, VITON/FKM .070CS X 6.190ID	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
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
RM1070A26	O-RING,4.5MM I.D.X1.5MM C.S. (VITON)	4.000 EA
35FH4005A39	IEC FH NO GREASER DEBURR/CLEAN - SS	1.000 EA
10XN1032FS06	HEX HD CAP SCREW 10-32 X 3/8 SS FOOD SAF	3.000 EA
RM1070A81	O-RING, -043 VITON/FKM .070CS X 3.489ID	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
19XB0818S12	8-18X3/4 HXWS TYB HIGH-LOW	1.000 EA
WD5603A01	KIT, CLOSED-END LEAD SPLICE (18-14GA)	1.000 EA
HA3100FS61	THRUBOLT, 10-32 X 11.750 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-0000002	ZRTG FE ASSEMBLY	1.000 EA
PE-0000002	ZRTG PE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 57379

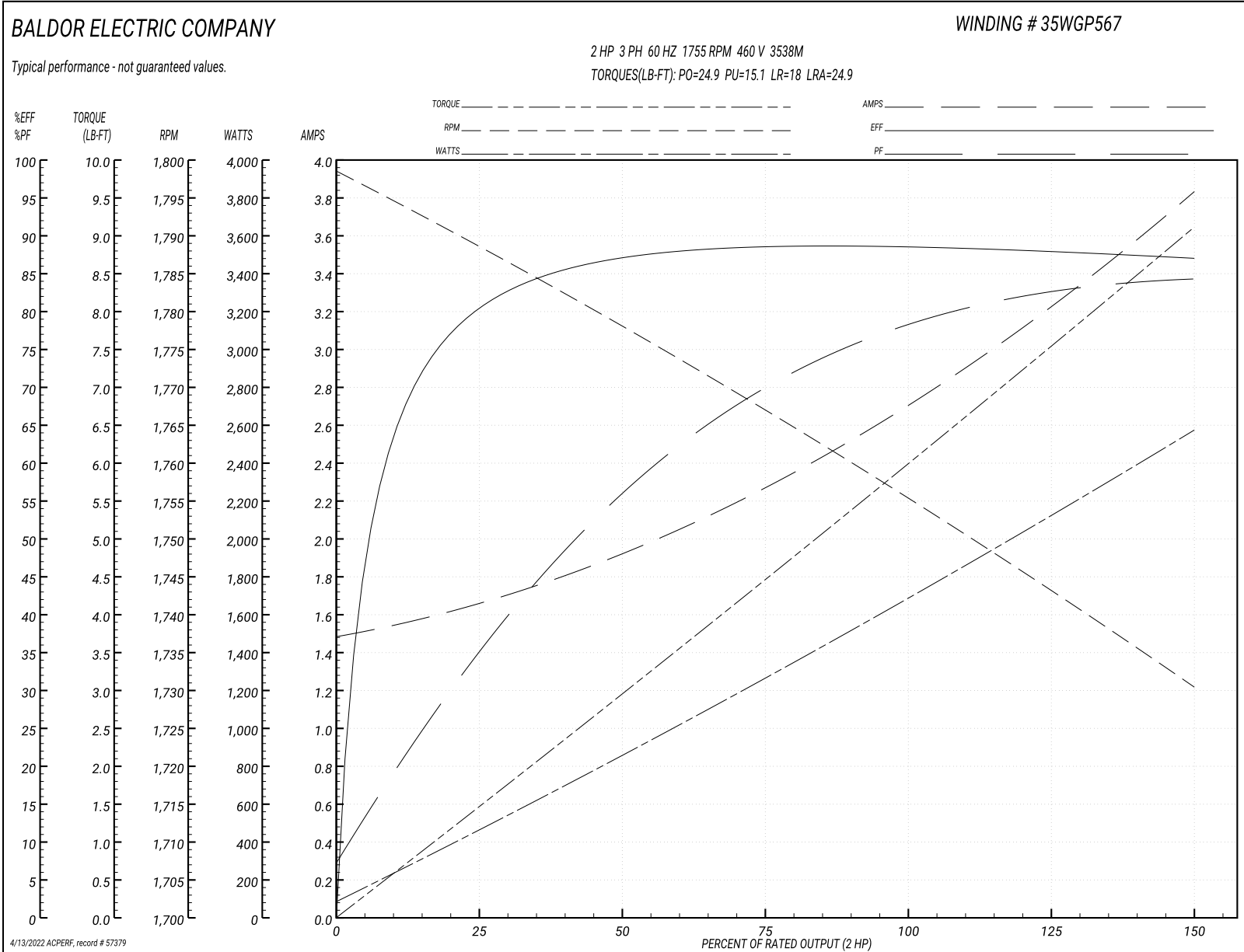
Typical performance - not guaranteed values

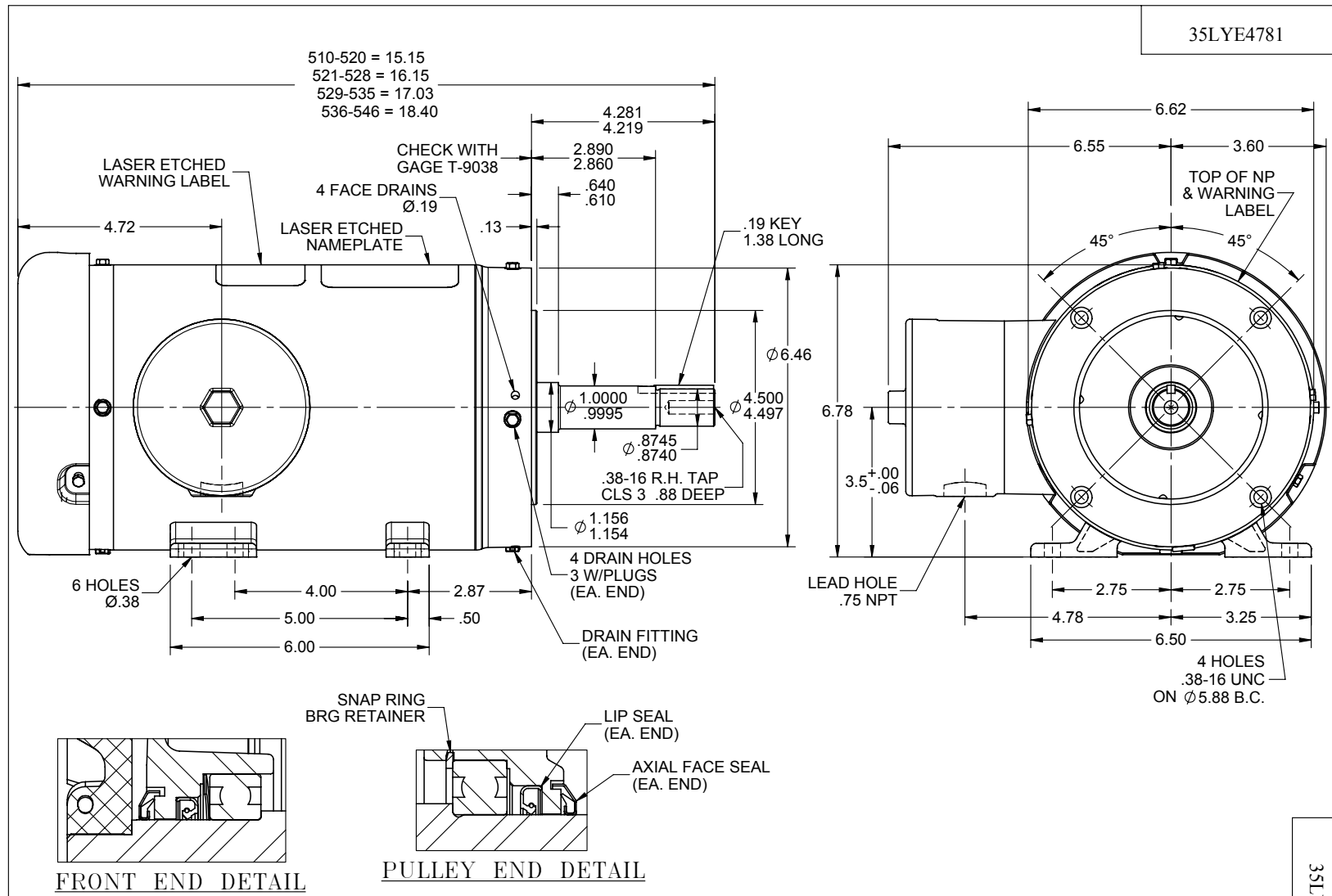
Winding: 35WGP567-R015		Type: 3538M	Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2	Full Load Torque	5.94 LB-FT	
Volts	230/460	Start Configuration	direct on line	
Full Load Amps	5.4/2.7	Breakdown Torque	24.9 LB-FT	
R.P.M.	1755	Pull-up Torque	15.1 LB-FT	
Hz	60 Phase	Locked-rotor Torque	18 LB-FT	
NEMA Design Code	B KVA Code	Starting Current	24.9 A	
Service Factor (S.F.)	1.15	No-load Current	1.51 A	
NEMA Nom. Eff.	88.5 Power Factor	Line-line Res. @ 25°C	6.45 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	58°C	
S.F. Amps		Temp. Rise @ S.F. Load	69°C	
		Locked-rotor Power Factor	45.7	
		Rotor inertia	0.225 LB-FT ²	

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	57	70	77	82	85	80
Efficiency	80.1	87.1	88.5	88.6	88.1	87	88.3
Speed	1788	1778	1767	1756	1744	1730	1749
Line amperes	1.63	1.9	2.27	2.71	3.24	3.81	3.03

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

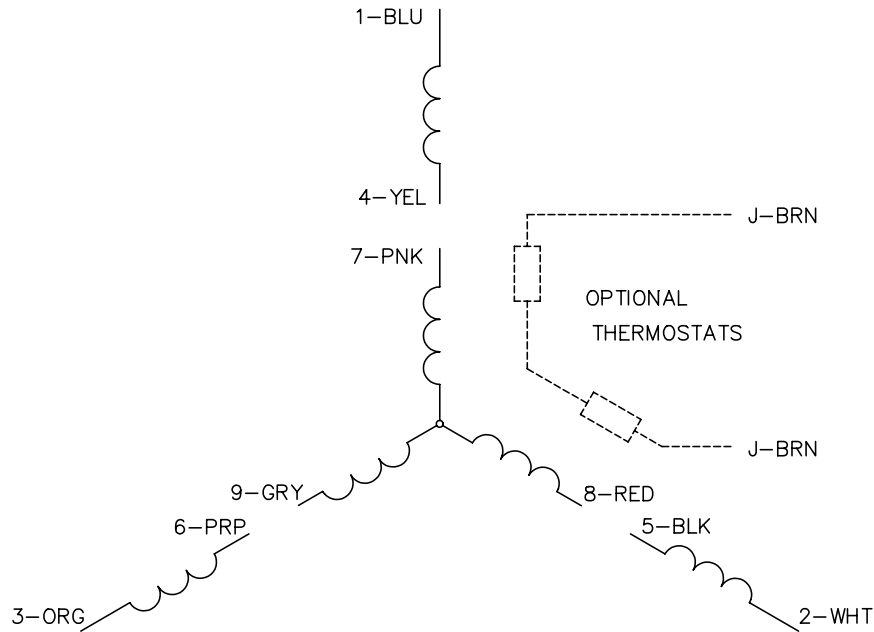
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1874781		MODEL NO. 35LYE4781	REF: -
		BY: ENMARH0	

BALDOR

STD HORZ 143-5JM TEFC 35M WD11/12

35LYE4781

CD0005

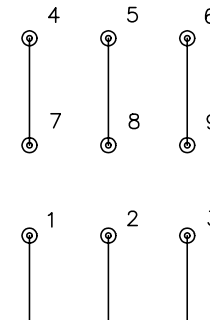


LOW VOLTAGE
(2Y)



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
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BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005