

**BALDOR® • RELIANCE** 

**Product Information Packet**

**JMEWDM3550T**

**1.5HP,3500RPM,3PH,60HZ,143JM,3528M,TENV**

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGR445	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35E2990	Layout:	35LYE2990	Poles:	02	Created Date:	12-04-2014
Base:	RG	Eff. Date:	10-05-2018	Leads:	9#18		

Specs			
Catalog Number:	JMEWDM3550T	Insulation Class:	F
Enclosure:	TENV	Inverter Code:	Not Inverter
Frame:	143JM	KVA Code:	N
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.500 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 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
	208.0 V @ 60 HZ	Motor Type:	3528M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	87
Agency Approvals:	CSA	Product Family:	Wash Down
	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:	Tapped & Key
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

<b>Current @ Voltage:</b>	4.000 A @ 208.0 V	<b>Shaft Ground Indicator:</b>	No Shaft Grounding
	2.000 A @ 230.0 V	<b>Shaft Rotation:</b>	Reversible
<b>Design Code:</b>	B	<b>Shaft Slinger Indicator:</b>	Shaft Slinger
<b>Drip Cover:</b>	No Drip Cover	<b>Speed Code:</b>	Single Speed
<b>Duty Rating:</b>	CONT	<b>Motor Standards:</b>	NEMA
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Starting Method:</b>	Direct on line
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Bearing:</b>	None
<b>Front Face Code:</b>	Standard	<b>Thermal Device - Winding:</b>	None
<b>Front Shaft Indicator:</b>	None	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 1:</b>	None
		<b>Winding Thermal 2:</b>	None

Nameplate NP2179L										
CAT.NO.	JMEWDM3550T									
SPEC.	35E2990R445G1									
HP	1.5									
VOLTS	208-230/460									
AMP	4/2									
RPM	3500									
FRAME	143JM				HZ	60			PH	3
SER.F.	1.15		CODE	N	DES	B		CLASS	F	
NEMA-NOM-EFF	85.5		PF	87						
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					
DE	6206				ODE	6203				
ENCL	TENV		SN							
BLANK										

Parts List		
Part Number	Description	Quantity
SA290835	SA 35E2990R445G1	1.000 EA
RA276987	RA 35E2990R445G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3008A01W	35 CB .50 NPT @ 6, MACH WHITE EPOXY	1.000 EA
35GS1039	05 MOLDED GASKET W/LIP, 1.12 LEAD HOLE,	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3122D00W	MASTER ODE,203 BRG,.125NPT DRNS(WHITE)	1.000 EA
HW4072A01	BLACK DRAIN PLUG FOR .125 NPT	3.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3401T07MW	PU EP FOR SEAL W/"O" DRILLS & NO GRS, W/	1.000 EA
HW4600B50SP	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 EA
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X .24 VITON	1.000 EA
10XN1032S16	10-32X1 HEX HEAD S STEEL	2.000 EA
35CB4522	35 LIPPED CB LID PRIMED	1.000 EA
35GS1030A02	35 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
MG1025W01	WILKOFAS, 781.01, SIGNAL WHITE #9003	0.017 GA
HA3100S07	THRUBOLT 10-32 X 8.375 SS	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2179L	SS WD SUPER-E UL CSA CC REV MTG	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA

**AC Induction Motor Performance Data**

Record # 20327 - Typical performance - not guaranteed values

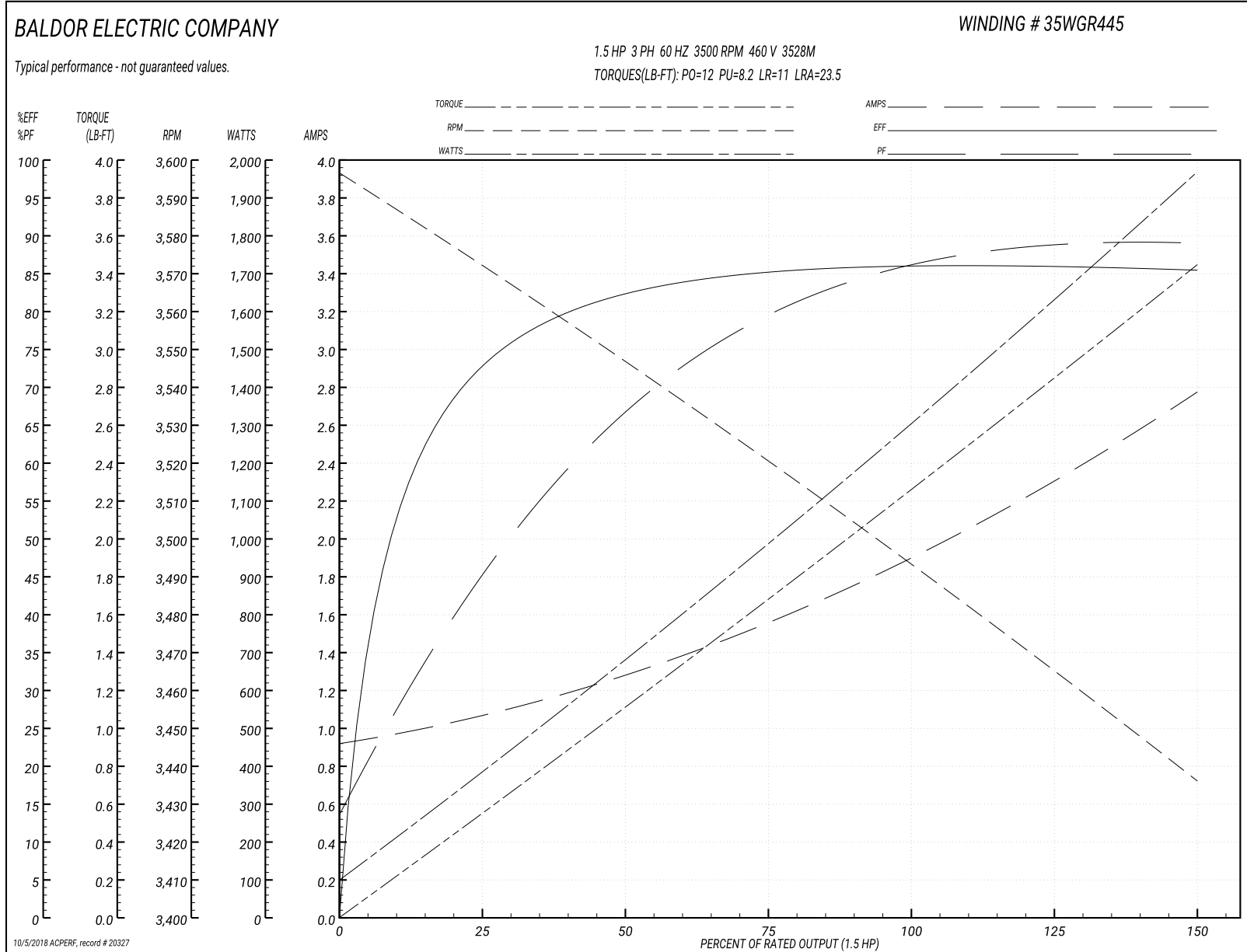
<b>Winding:</b> 35WGR445-R006	<b>Type:</b> 3528M	<b>Enclosure:</b> TENV
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	2.3 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	4/2			Breakdown Torque	12 LB-FT
R.P.M.	3500			Pull-up Torque	8.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	11 LB-FT
NEMA Design Code	B	KVA Code	N	Starting Current	23.5 A
Service Factor (S.F.)	1.15			No-load Current	0.9 A
NEMA Nom. Eff.	85.5	Power Factor	87	Line-line Res. @ 25°C	6.95 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	73°C

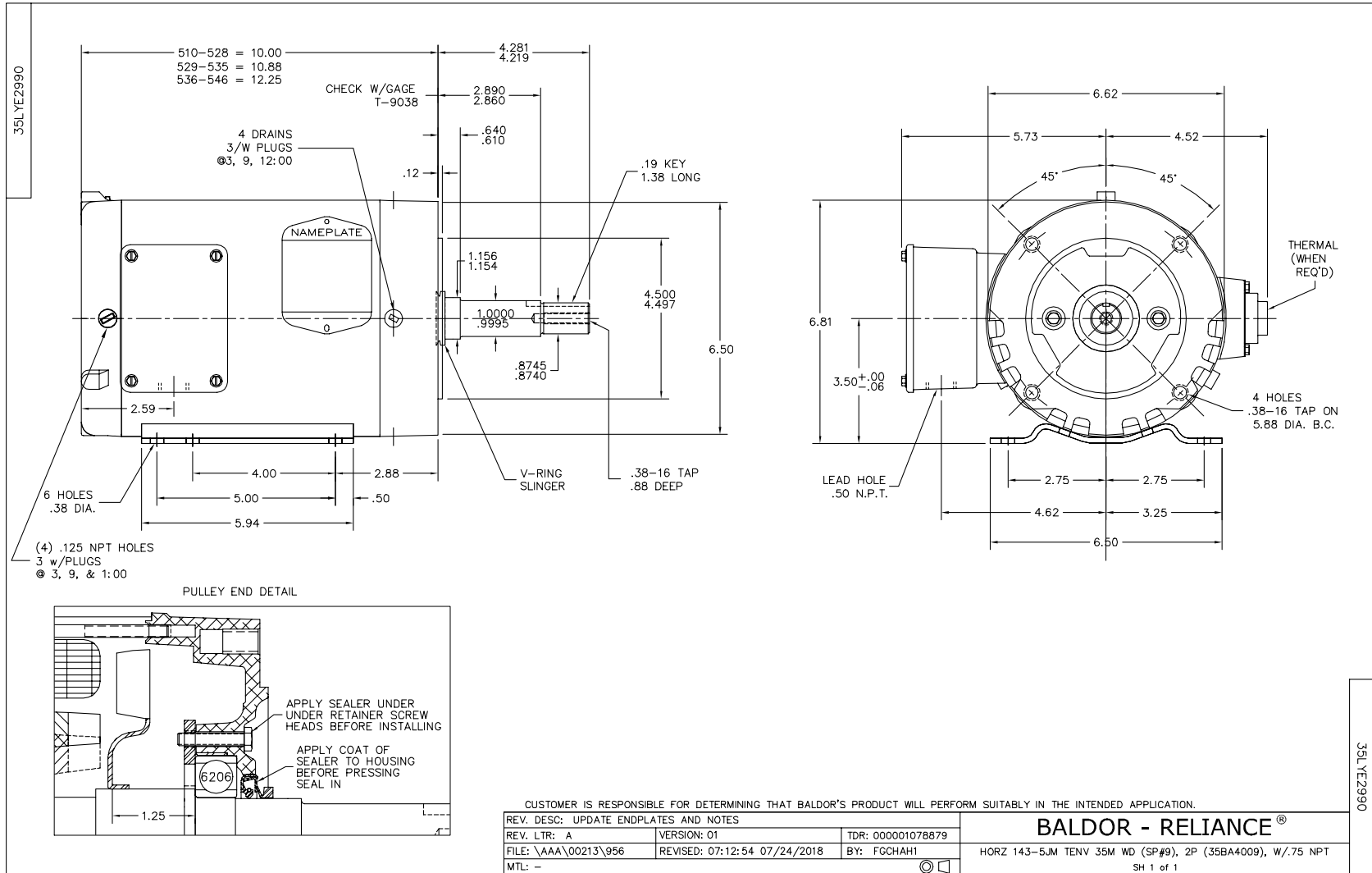
Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	51	71	81	87	90	91
Efficiency	73.8	82.5	85.2	86.1	86	85.4
Speed	3568	3544	3519	3493	3466	3434
Line amperes	1.1	1.3	1.6	1.9	2.3	2.8

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values







CD0005

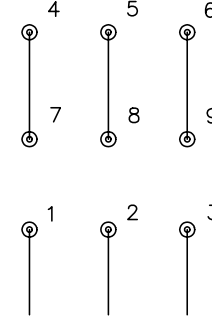


LOW VOLTAGE  
(2Y)



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