Customer information packet

JMEWDM3555T

2HP, 3490RPM, 3PH, 60HZ, 145JM, 3526M, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	145JM
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA EEV
	CSA
	UR
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	2.500 A @ 460.0 V
	5.000 A @ 230.0 V
	5.300 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	P
Type	AC
Mech. spec.	35TT937
Base	
Status	PRD/A
Elec. spec.	35WGM774
Layout	35LYTT937
Eff. date	01-17-2025
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	12-04-2014

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3526M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	15.43 IN
Power Factor	88
Product Family	Wash Down
Pulley End Bearing Type	Ball
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 Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3490 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

NP1669L											
CAT.NO.	JMEWDM3555T										
SPEC.	35TT937M774G2										
HP	2										
VOLTS	208-230/460										
AMP	5.3-5/2.5										
RPM	3490										
FRAME	143JM	**HZ**	60			**PH**	3				
SER.F.	1.15	**CODE**	M	**DES**	B	**CLASS**	F				
NEMA-NOM-EFF	85.5	**PF**	88								
RATING	40C AMB-CONT										
CC	010A										
DE	6206	**ODE**	6203								
ENCL	TEFC	**SN**									
BLANK	20:1CT, 20:1VT, 1.00SF										

AC Induction Motor Performance Data
Record # 31837
Typical performance - not guaranteed values

Winding: 35WGM774-R001	**Type:** 3526M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			2	**Full Load Torque**	2.98 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			5.3-5/2.5	**Breakdown Torque**	14.2 LB-FT
R.P.M.			3490	**Pull-up Torque**	6.33 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	11.2 LB-FT
NEMA Design Code	B	**KVA Code**	M	**Starting Current**	25.9 A
Service Factor (S.F.)			1.15	**No-load Current**	0.912 A
NEMA Nom. Eff.	85.5	**Power Factor**	88	**Line-line Res. @ 25ºC**	6.9119 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	44°C
S.F. Amps				**Temp. Rise @ S.F. Load**	52°C
				Locked-rotor Power Factor	50
				Rotor inertia	0.0719 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	55	75	84	88	90	91	89
Efficiency	74.3	83.5	85.9	86.4	85.9	84.8	86.1
Speed	3571.7	3546.5	3520.2	3492.1	3460.7	3425.5	3473
Line amperes	1.1	1.47	1.93	2.44	3	3.61	2.78

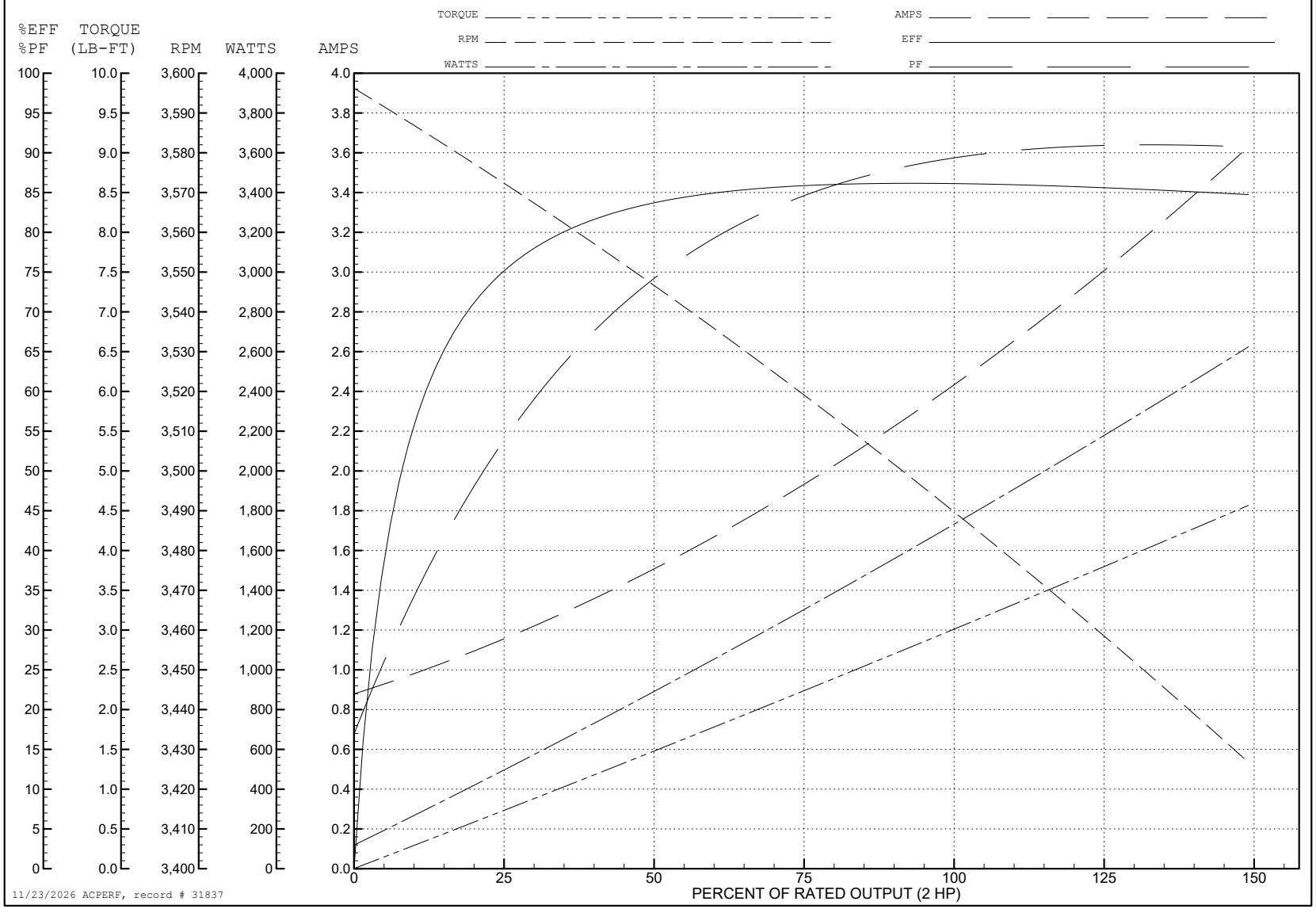
ABB Motors and Mechanical Inc.

WINDING # 35WGM774

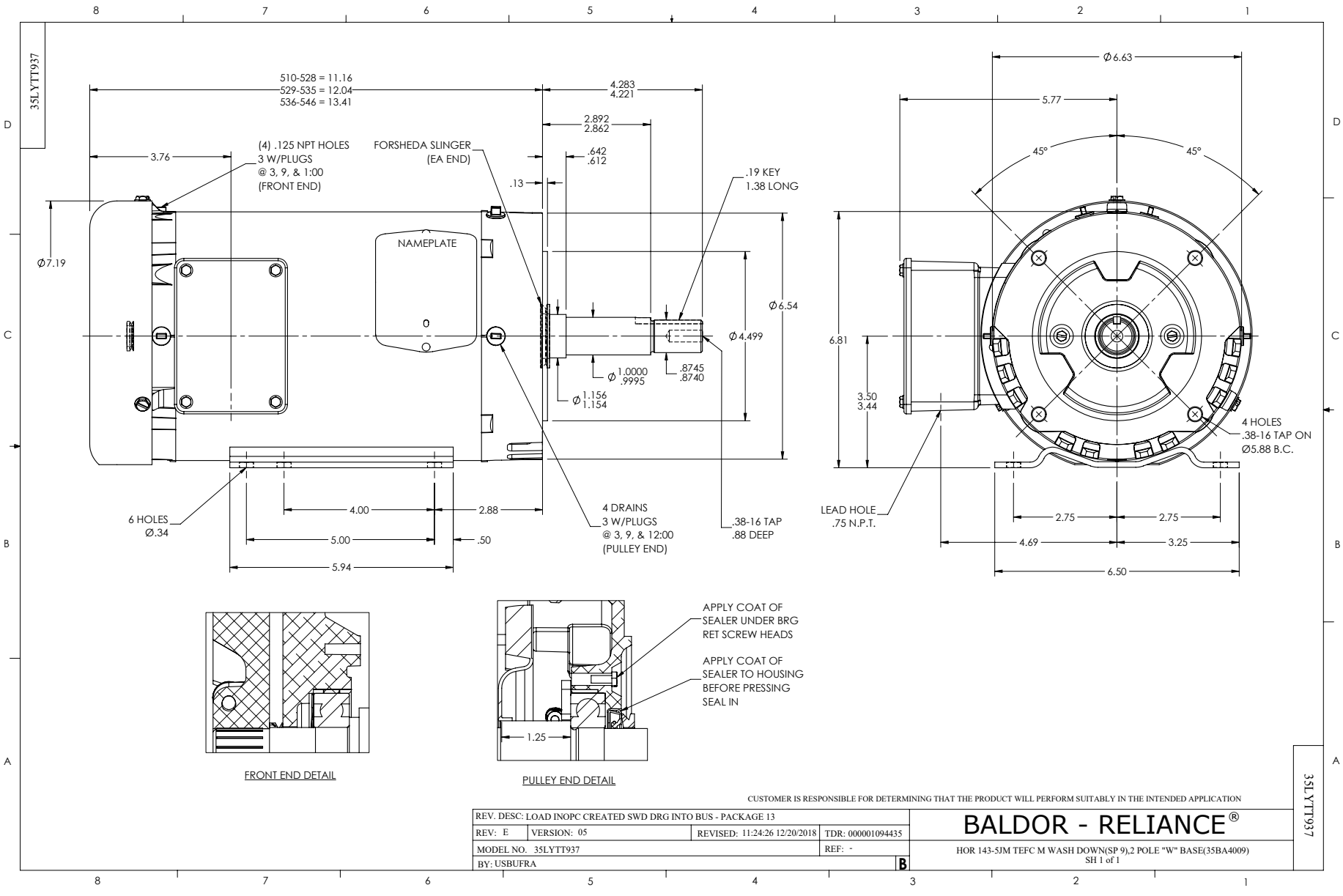
2 HP 3 PH 60 HZ 3490 RPM 460 V 3526M

Typical performance - not guaranteed values.

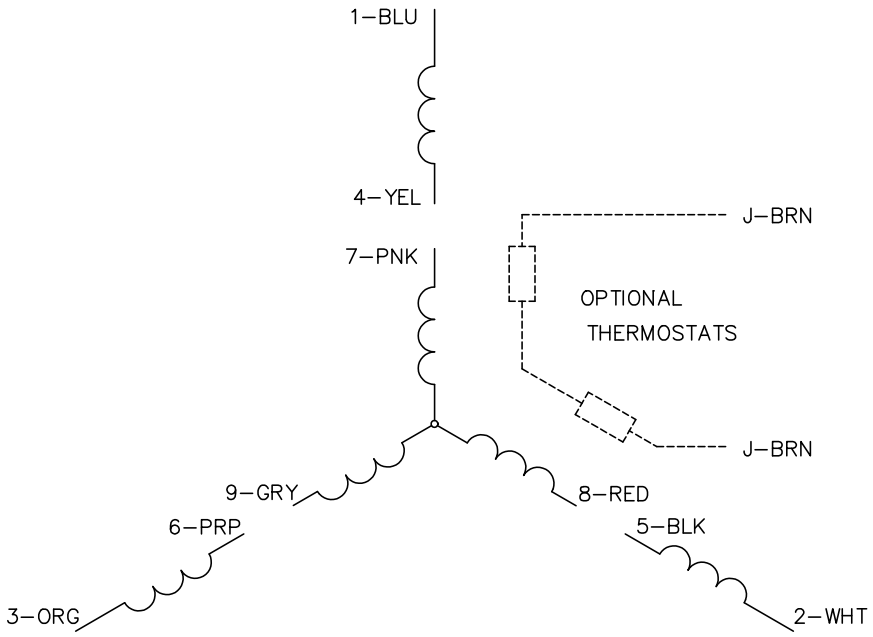
TORQUES(LB-FT): PO=14.2 PU=6.33 LR=11.2 LRA=25.9

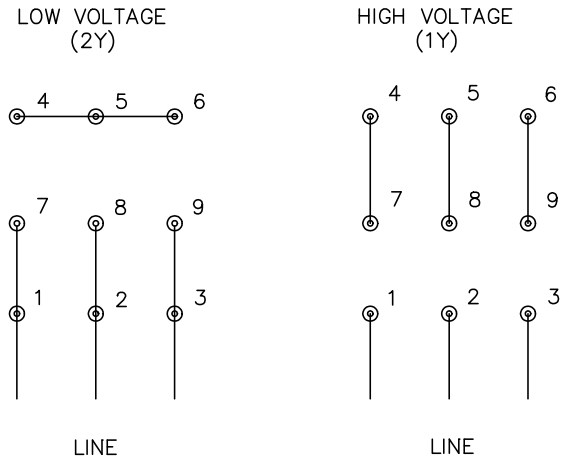


11/23/2026 ACPERF, record # 31837


35LYTT937
510-528 = 11.16
529-535 = 12.04
536-546 = 13.41
4.283
4.221
2.892
2.862
3.76
(4) .125 NPT HOLES
3 W/PLUGS
@ 3, 9, & 1:00
(FRONT END)
FORSHEDA SLINGER
(EA END)
.642
.612
.13
.19 KEY
1.38 LONG
NAMEPLATE
Ø7.19
Ø6.54
Ø4.499
Ø 1.0000
.9995
.8745
.8740
Ø 1.156
1.154
6 HOLES
Ø.34
4.00
2.88
5.00
.50
5.94
4 DRAINS
3 W/PLUGS
@ 3, 9, & 12:00
(PULLEY END)
.38-16 TAP
.88 DEEP
Ø6.63
5.77
45°
45°
6.81
3.50
3.44
4 HOLES
.38-16 TAP ON
Ø5.88 B.C.
LEAD HOLE
.75 N.P.T.
2.75
2.75
4.69
3.25
6.50
APPLY COAT OF
SEALER UNDER BRG
RET SCREW HEADS
APPLY COAT OF
SEALER TO HOUSING
BEFORE PRESSING
SEAL IN
1.25
FRONT END DETAIL
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD INOPC CREATED SWD DRG INTO BUS - PACKAGE 13
REV: E
VERSION: 05
REVISED: 11:24:26 12/20/2018
TDR: 000001094435
MODEL NO. 35LYTT937
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
HOR 143-5JM TEFC M WASH DOWN(SP 9),2 POLE "W" BASE(35BA4009)
SH 1 of 1
35LYTT937

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS