



Customer information packet

EJM3555

2HP, 3490RPM, 3PH, 60HZ, 56J, 3526M, TEFC, F1, N

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	56J
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	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	5.000 A @ 230.0 V 5.300 A @ 208.0 V 2.500 A @ 460.0 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
Front Shaft Indicator	None

Part detail

Revision	Q
Type	AC
Mech. spec.	35F084
Base	
Status	PRD/A
Elec. spec.	35WGM774
Layout	35LYF084
Eff. date	08-04-2025
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	05-18-2015

Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a
Insulation Class	B
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	13.74 IN
Power Factor	88
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Ext Thread
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.20
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 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

NP3441L									
CAT.NO.	EJM3555								
SPEC.	35F084M774G4								
HP	2								
VOLTS	208-230/460								
AMP	5.3-5/2.5								
RPM	3450								
FRAME	56J		HZ	60		PH	3		
SER.F.	1.20	CODE	M	DES	B	CL	B		
NEMA-NOM-EFF	85.5	PF	88						
RATING	40C AMB-CONT								
CC	010A								
DE	6205		ODE	6203					
ENCL	TEFC	SN							
VPWM INVERTER READY									
CT6-60H(10:1)VT3-60H(20:1									
	SFA 6.4-5.8/2.9								

AC Induction Motor Performance Data

Record # 70924

Typical performance - not guaranteed values

Winding: 35WGM774-R067			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.		3450	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.)		1.2	No-load Current		0.912 A			
NEMA Nom. Eff.		85.5	Power Factor		88	Line-line Res. @ 25°C	6.88 Ω	
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load			44°C
S.F. Amps		6.4-5.8/2.9	Temp. Rise @ S.F. Load		55°C			
			Locked-rotor Power Factor		49.9			
			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	90
Efficiency	73.4	83.6	85.7	86.3	85.7	84.6	85.8
Speed	3572	3547	3520	3492	3461	3426	3467
Line amperes	1.1	1.47	1.93	2.44	3	3.61	2.89

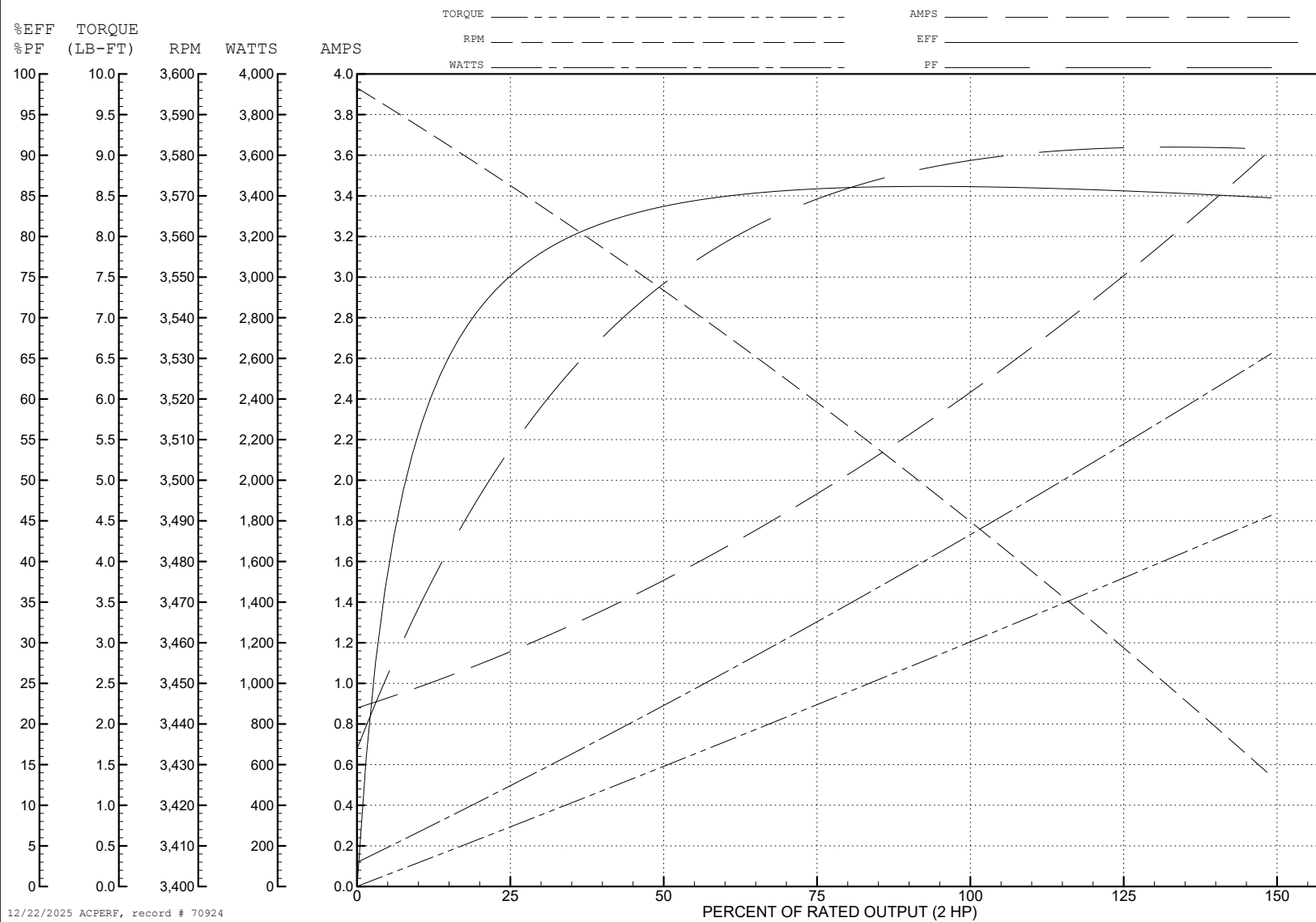
ABB Motors and Mechanical Inc.

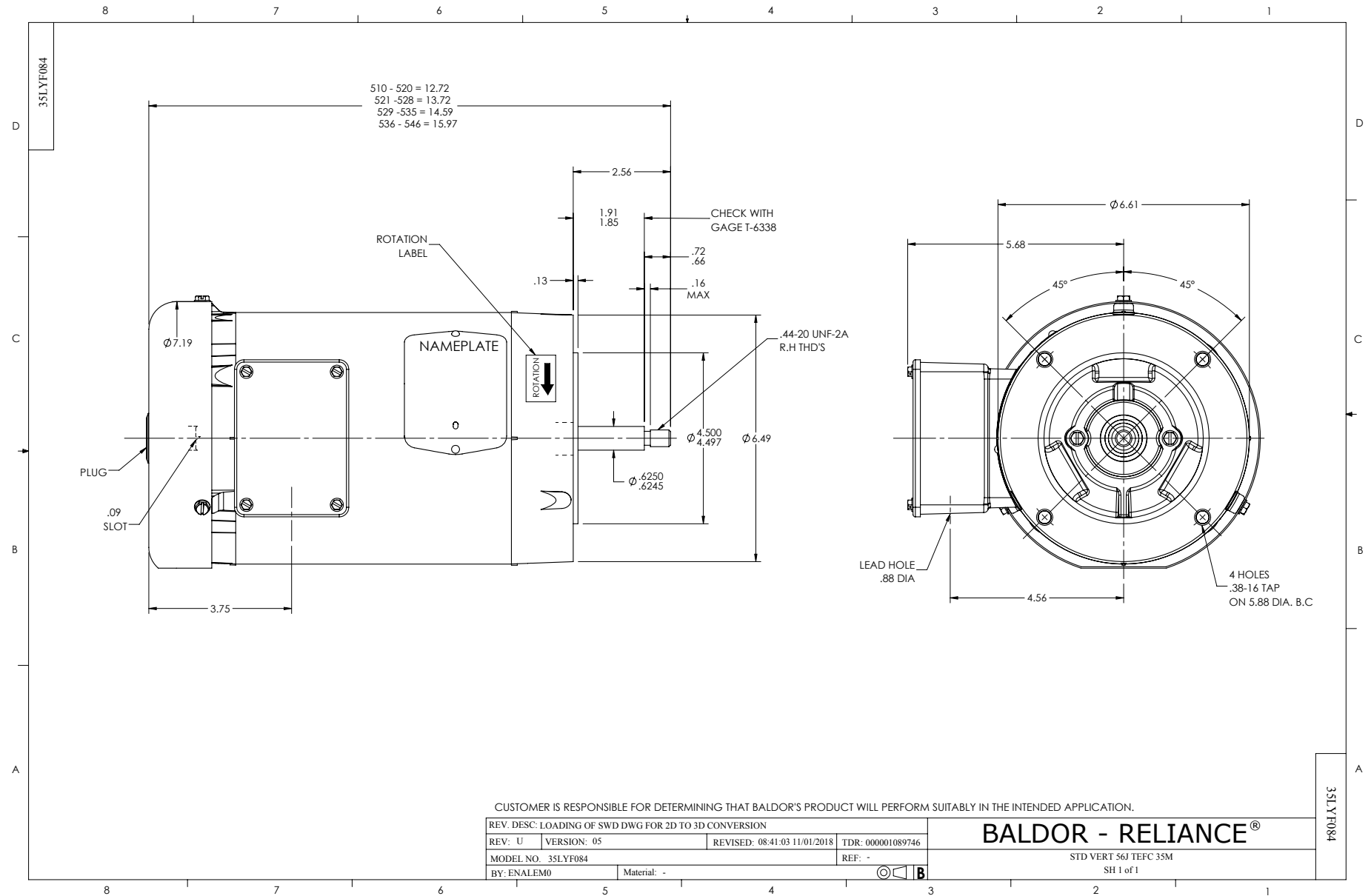
WINDING # 35WGM774

Typical performance - not guaranteed values.

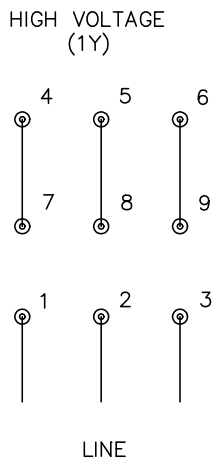
2 HP 3 PH 60 HZ 3450 RPM 460 V 3526M

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





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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005