

ABB BALDOR RELIANCE III

Customer information packet

EWDM3555T

2HP, 3450RPM, 3PH, 60HZ, 145T, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	145T
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	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV NEMA PREMIUM 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
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	35WGS811
Layout	35LYS585
Eff. date	02-14-2024
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	12-10-2019

Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	N
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3532M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	14.17 IN
Power Factor	85
Product Family	Wash Down
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
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

NP1669L									
CAT.NO.	EWDM3555T								
SPEC.	35-0000-0479								
HP	2								
VOLTS	230/460								
AMP	5/2.5								
RPM	3450								
FRAME	145T		HZ	60			PH	3	
SER.F.	1.15	CODE	N	DES	B	CLASS		F	
NEMA-NOM-EFF	86.5	PF	85						
RATING	40C AMB-CONT								
CC	010A								
DE	6205		ODE	6203					
ENCL	TEFC	SN							
BLANK	20:1CT, 20:1VT,1.00SF								

AC Induction Motor Performance Data

Record # 50683

Typical performance - not guaranteed values

Winding: 35WGS811-R018			Type: 3532M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		2	Full Load Torque		3 LB-FT			
Volts		230/460	Start Configuration		direct on line			
Full Load Amps		5/2.5	Breakdown Torque		16 LB-FT			
R.P.M.		3450	Pull-up Torque		12.5 LB-FT			
Hz		60	Phase		3	Locked-rotor Torque	16 LB-FT	
NEMA Design Code		B	KVA Code		N	Starting Current		30 A
Service Factor (S.F.)		1.15	No-load Current		1.1 A			
NEMA Nom. Eff.		86.5	Power Factor		85	Line-line Res. @ 25°C		5.4 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		35°C	
S.F. Amps			Temp. Rise @ S.F. Load		44°C			
			Locked-rotor Power Factor		45			
			Rotor inertia		0.0885 LB-FT2			

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	70	80	85	88	89	87
Efficiency	75.2	83.8	86.2	86.5	86.4	85.5	86.5
Speed	3571	3548	3525	3501	3476	3448	3486
Line amperes	1.28	1.65	2.09	2.55	3.08	3.64	2.9

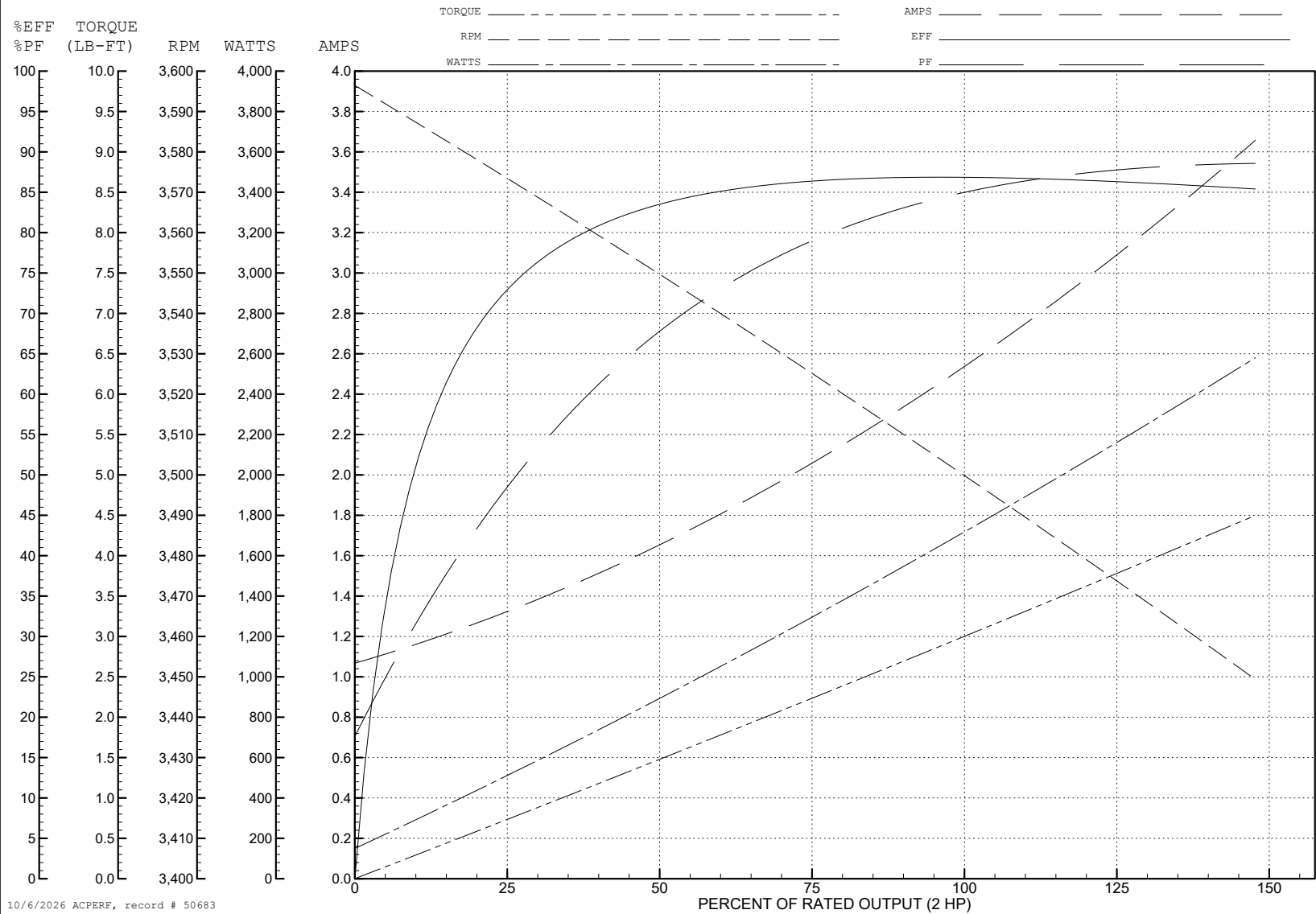
ABB Motors and Mechanical Inc.

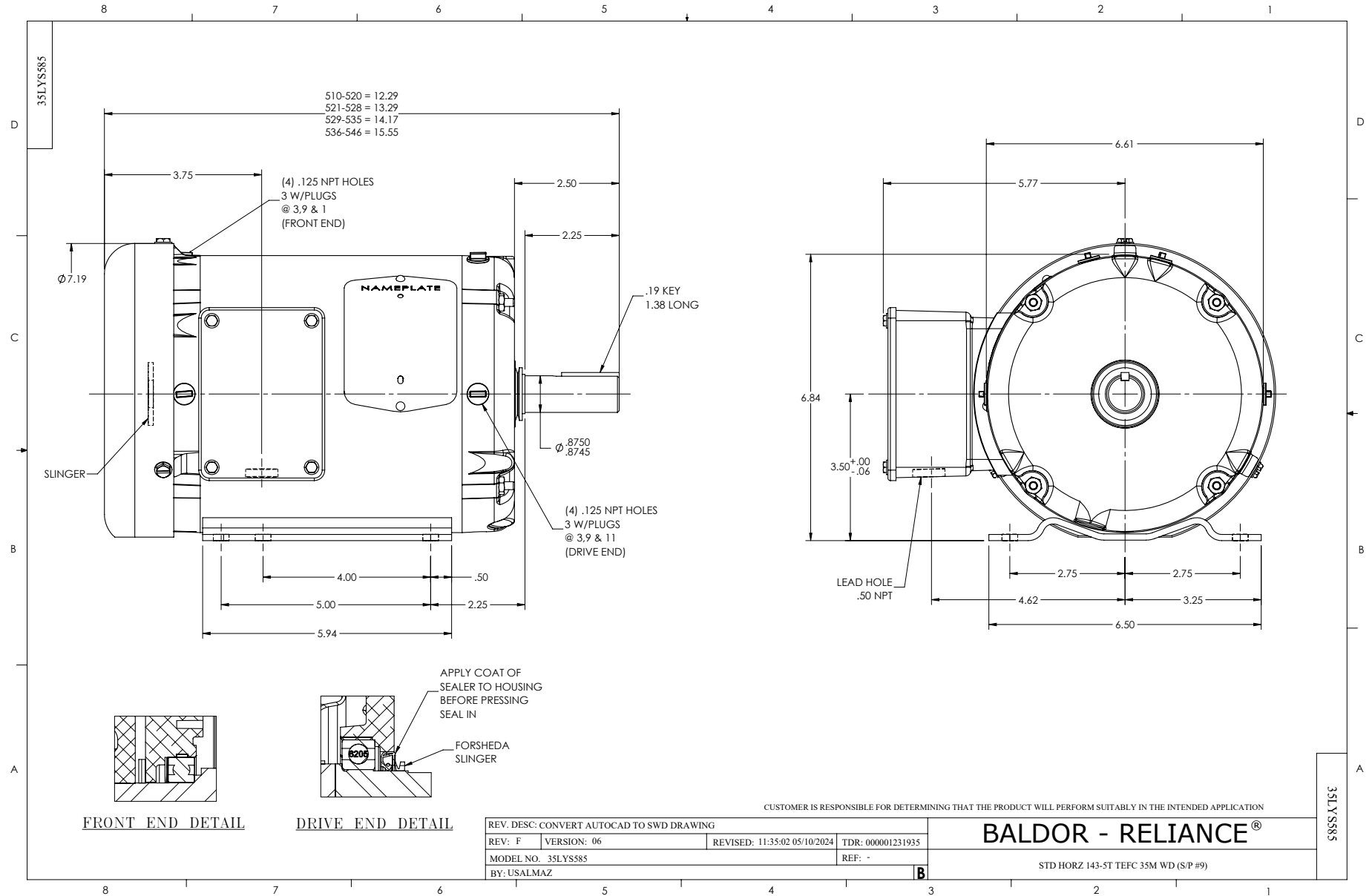
WINDING # 35WGS811

Typical performance - not guaranteed values.

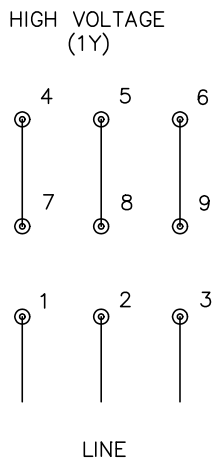
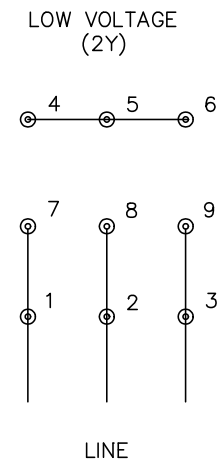
2 HP 3 PH 60 HZ 3450 RPM 460 V 3532M

TORQUES (LB-FT): PO=16 PU=12.5 LR=16 LRA=30





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
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005