

ABB BALDOR RELIANCE III

Customer information packet

WWL3515T

2HP, 3450RPM, 1PH, 60HZ, 145TYZ, 3535LC, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	143TYZ
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	2.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 208.0 V @ 60 HZ 115.0 V @ 60 HZ
Agency Approvals	C UR US CURUS
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	24.000 A @ 115.0 V 12.000 A @ 230.0 V 12.000 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	U
Type	AC
Mech. spec.	35Y524
Base	
Status	PRD/A
Elec. spec.	35WGY010
Layout	35LYY524
Eff. date	07-24-2024
CD Diagram	CD0016A01
Poles	02
Leads	4#14 A PH,3#18 B PH
Proprietary	False
Created date	12-07-2009

Heater Indicator	No Heater
High Voltage Full Load Amps	12.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3535LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	13.56 IN
Power Factor	71
Product Family	General Purpose
Product Type	WOODWORKING MOTORS
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.750 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

NP1256L									
CAT.NO.									
SPEC.	35Y524Y010G1								
HP	2								
VOLTS	115/208-230								
AMP	24/12								
RPM	3450								
FRAME	143TYZ		HZ	60			PH	1	
SER.F.	1.00	CODE	L	DES	L	CLASS		F	
NEMA-NOM-EFF	70	PF	71						
RATING	40C AMB-CONT								
CC									
DE	6205		ODE	6203					
ENCL	TEFC	SN							

Accessories

Part number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 10123

Typical performance - not guaranteed values

Winding: 35WGY010-R001			Type: 3535LC		Enclosure: TEFC	
Nameplate Data				115 V, 60 Hz: Low Voltage Connection		
Rated Output (HP)		2		Full Load Torque		3 LB-FT
Volts		115/230		Start Configuration		direct on line
Full Load Amps		24/12		Breakdown Torque		11.5 LB-FT
R.P.M.		3450		Pull-up Torque		4 LB-FT
Hz	60	Phase	1	Locked-rotor Torque		7 LB-FT
NEMA Design Code		L	KVA Code	Starting Current		160 A
Service Factor (S.F.)		1		No-load Current		17.1 A
NEMA Nom. Eff.		70	Power Factor	71		0.169 Ω A Ph 1.26 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		97°C

Load Characteristics 115 V, 60 Hz, 2 HP

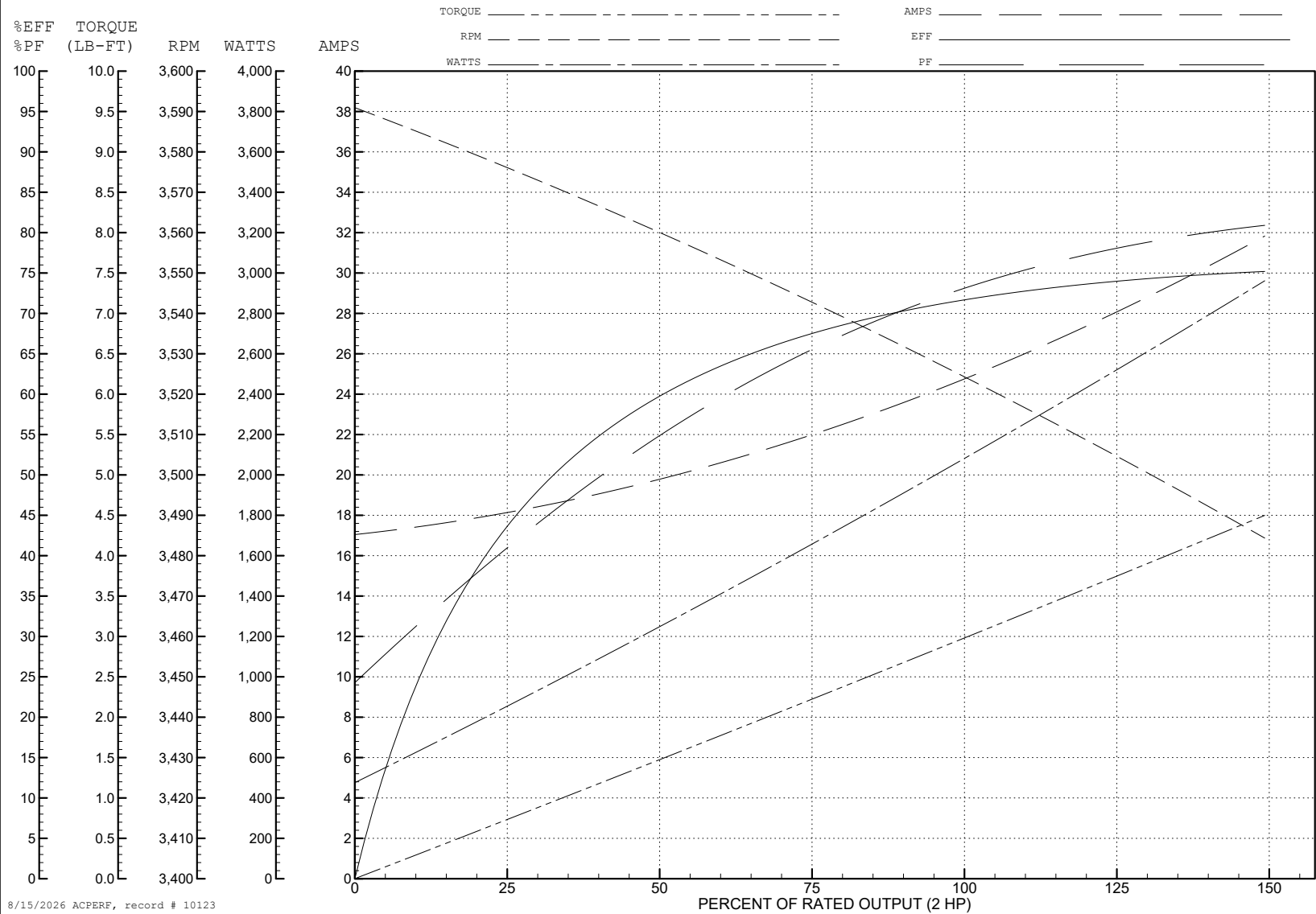
% of Rated Load	25	50	75	100	125	150
Power Factor	41	55	65	73	78	82
Efficiency	43.9	60	67.7	71.9	74.1	75.1
Speed	3576	3559	3542	3524	3505	3484
Line amperes	18.1	19.8	22.1	24.9	28.1	31.8

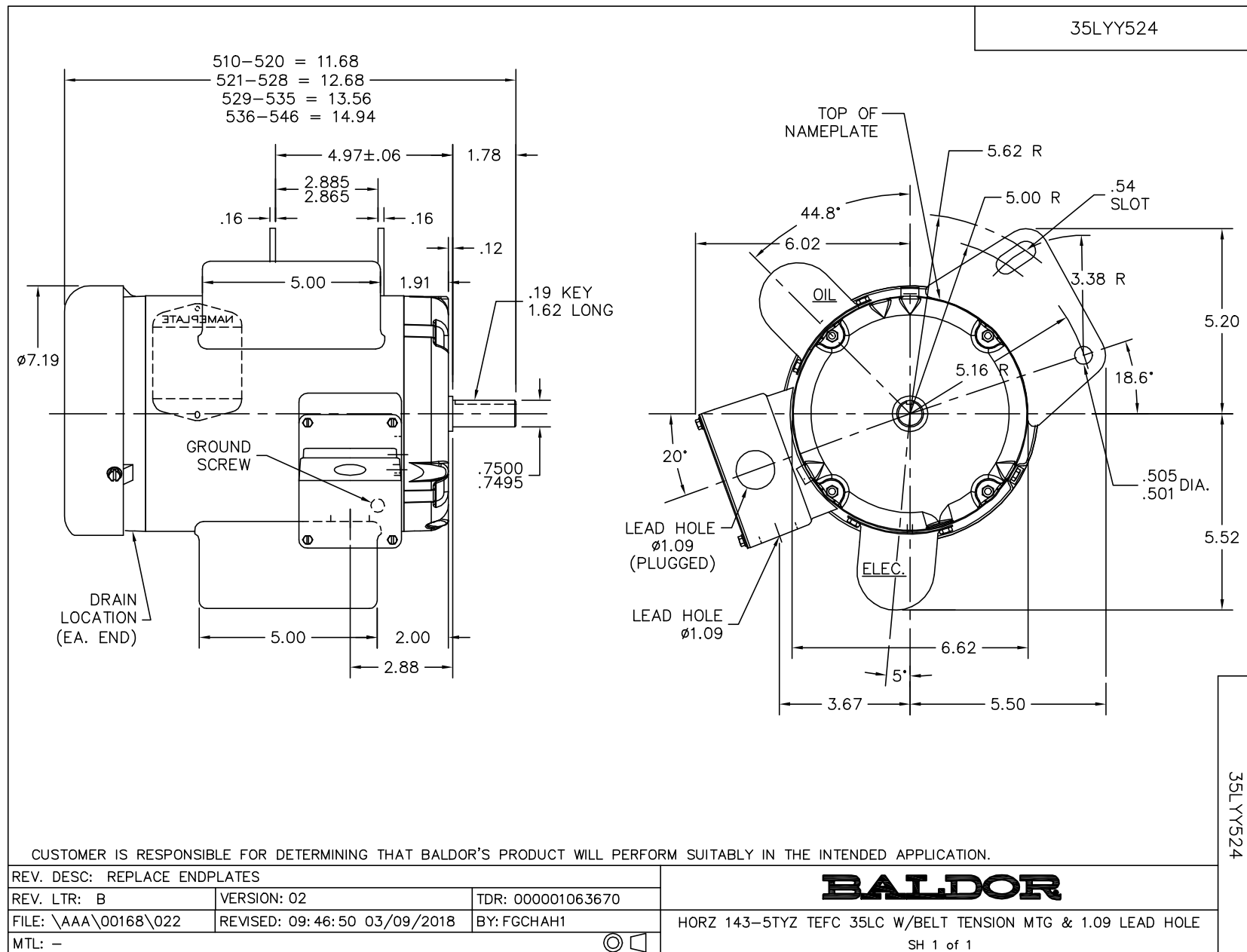
ABB Motors and Mechanical Inc.

WINDING # 35WGY010

Typical performance - not guaranteed values.

2 HP 1 PH 60 HZ 3450 RPM 115 V 3535LC
TORQUES (LB-FT): PO=11.5 PU=4 LR=7 LRA=160





CD0016A01

