

ABB BALDOR RELIANCE III

Customer information packet 2048-151D

1.5HP, 3600RPM, 1PH, 60HZ, 3528L, 3528L, TEFC

Specifications

Enclosure	TEFC
Frame	143
Frame Material	Steel
Frequency	60.00 Hz 60.00 Hz
Motor Letter Type	Cap Start, Induction Run
Number of Poles	2 2
Output @ Frequency	1.500 HP @ 60 HZ
Phase	1 1
Product Style	BELT SANDER
Speed	3450 rpm 3450 rpm
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage	115 V 230 V
Voltage @ Frequency	230.0 V @ 60 HZ 115.0 V @ 60 HZ
Agency Approvals	UR
Ambient Temperature	40 °C
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	15.000 A @ 115.0 V 7.500 A @ 230.0 V
Design Code	L
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
Feedback Device	NO FEEDBACK
Insulation Class	B
KVA Code	H
Motor Lead Quantity/Wire Size	4 @ 16 AWG

Part Detail

Revision	AV
Type	AC
Mech. spec.	B2-3
Base	
Status	PRD/A
Elec. spec.	35WGW811
Layout	B2LY0003
Eff. date	12-15-2021
CD Diagram	CD0093
Poles	02
Leads	4#16
Proprietary	False
Created date	01-01-0001

Motor Standards	NEMA
Motor Type	3528L
Mounting Arrangement	F1
Overall Length	16.62 IN
Power Factor	82
Product Family	Belt Sander
Service Factor	1.00
Shaft Extension Location	Pulley End
Shaft Rotation	Fixed Opposite Standard
Shaft Slinger Indicator	No Slinger
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3118			
CAT.NO.	2048-151D		
HP	1.5	VOLTS	115/230
PHASE	1	AMPS	15/7.5
HZ	60	RPM	3600
SER.NO			
SPEC.	B2-3A		

Accessories

Part number	Description	Multiplier
GA16	PEDESTAL INDUSTRIAL, CAST IRON 6" - 10"	A8
GA14	PEDESTAL FABRICATED STEEL W/SHELVES	A8
GA20	PEDESTAL INDUSTRIAL, CAST IRON 8"-14"	A8
GA20E	PEDESTAL LIGHT INDUSTRIAL,STEEL	A8
AB248	2' X 48" 80 GRIT GRINDER BELT	A8
BQ1-015-CC	1PH Brake, NEMA 1,110-125 VAC, 50/60Hz	P1
BQ1-015-CP	1PH Brake, Panel 110-125 VAC, 50/60 Hz	
BQ2-015-CC	1PH Brake,NEMA 1 208-230 VAC,50/60Hz	
BQ2-015-CP	1PH Brake, Panel 208-230 VAC, 50/60 Hz	

AC Induction Motor Performance Data

Record # 9881

Typical performance - not guaranteed values

Winding: 35GW811-R001			Type: 3528L		Enclosure: TEFC	
Nameplate Data				230 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		1.5		Full Load Torque		2.3 LB-FT
Volts		115/230		Start Configuration		direct on line
Full Load Amps		15/7.5		Breakdown Torque		5.6 LB-FT
R.P.M.		3450		Pull-up Torque		5.2 LB-FT
Hz	60	Phase	1	Locked-rotor Torque		5.5 LB-FT
NEMA Design Code		L	KVA Code	Starting Current		42 A
Service Factor (S.F.)		1		No-load Current		4.5 A
NEMA Nom. Eff.		70	Power Factor	Line-line Res. @ 25°C		1.26 Ω A Ph 1.23 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		70°C
S.F. Amps				Temp. Rise @ S.F. Load		84°C

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	47	64	73	80	84	86	82
Efficiency	51.9	65.3	68.4	71.2	70.6	68.4	70.8
Speed	3567	3541	3514	3475	3439	3397	3453
Line amperes	5	5.8	6.9	8.6	10.2	12.1	9.6

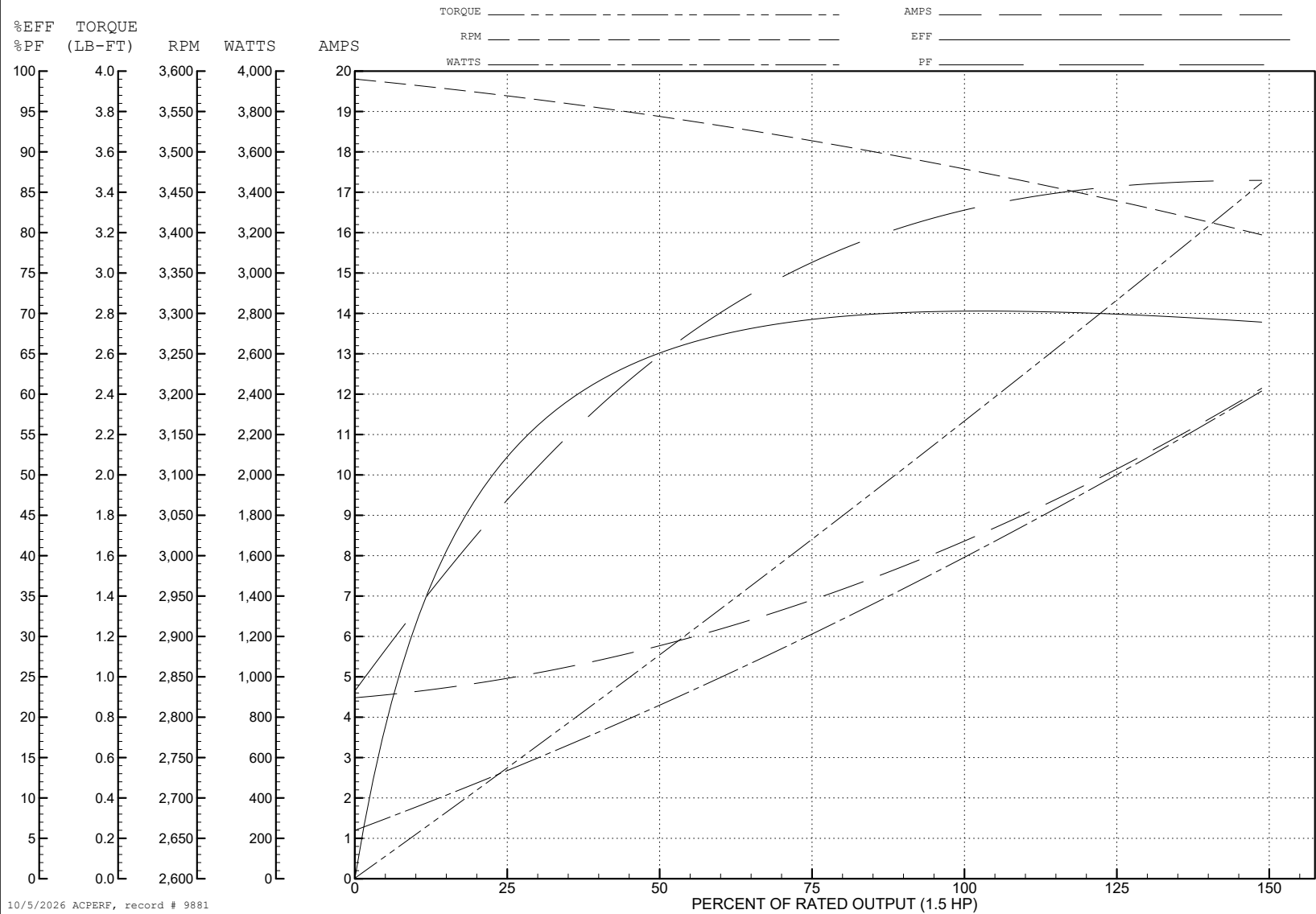
ABB Motors and Mechanical Inc.

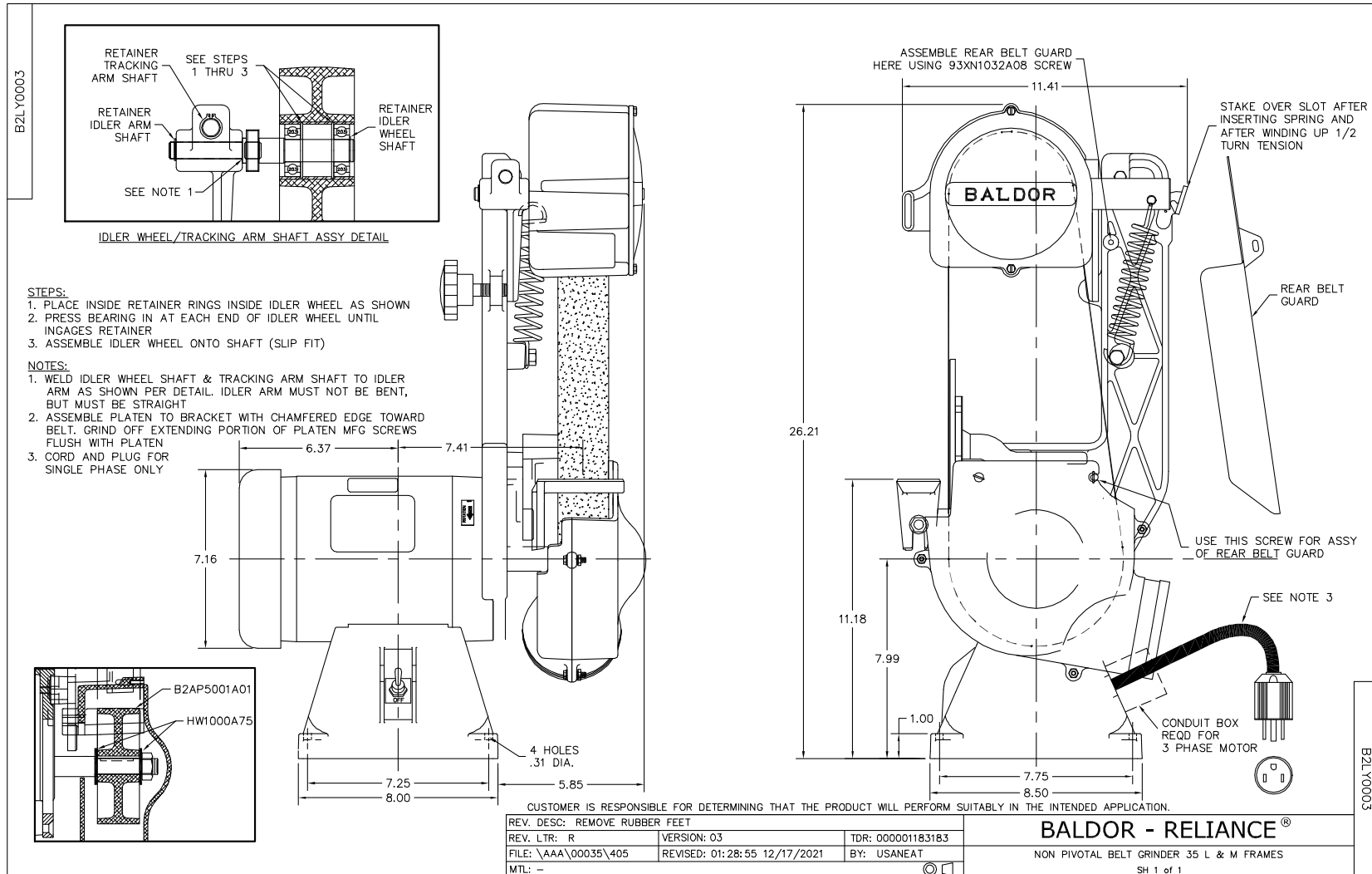
WINDING # 35WG811

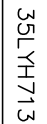
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1.5 HP 1 PH 60 HZ 3450 RPM 230 V 3528L

TORQUES (LB-FT): PO=5.6 PU=5.2 LR=5.5 LRA=42







CD0093

