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# Customer information packet

## 248-151TD

28L 2P GRNDR PIVOTAL

## Specifications

Frequency	60.00 Hz
Number of Poles	2
Phase	1
Product Style	PIVOT BELT SANDER
Speed	3450 rpm
Voltage	115 V
	230 V

## Part detail

Revision	AR
Type	AC
Mech. spec.	B2-5
Base	
Status	PRD/A
Elec. spec.	35WG811
Layout	B2LY0005
Eff. date	12-15-2021
CD Diagram	CD0093
Poles	02
Leads	4#16
Proprietary	False
Created date	01-01-0001

**Nameplate**

NP3118			
CAT.NO.	248-151TD		
HP	1.5	VOLTS	115/230
PHASE	1	AMPS	15/7.5
HZ	60	RPM	3450
SER.NO			
SPEC.	B2-5A		

**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	P1
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: 35WGW811-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	H	Starting Current		42 A
Service Factor (S.F.)		1		No-load Current		4.5 A	
NEMA Nom. Eff.		70	Power Factor	82	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

Typical performance - not guaranteed values.

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









