

BALDOR® • RELIANCE

Product Information Packet

248-153TD

1.5HP,3600RPM,3PH,60HZ,3516M,3516M,TEFC

Part Detail							
Revision:	AS	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:		CD Diagram:		Mfg Plant:	
Mech. Spec:	B2-5	Layout:	B2LY0005	Poles:	///	Created Date:	
Base:	RG	Eff. Date:	12-01-2016	Leads:			

Specs			
Product Style:	BELT SANDER		

Nameplate NP3118	
CAT.NO.	248-153TD
HP	
PHASE	
HZ	
SER.NO.	
SPEC.	B2-5C
	VOLTS
	AMPS
	RPM

AC Induction Motor Performance Data

Record # 8025 - Typical performance - not guaranteed values

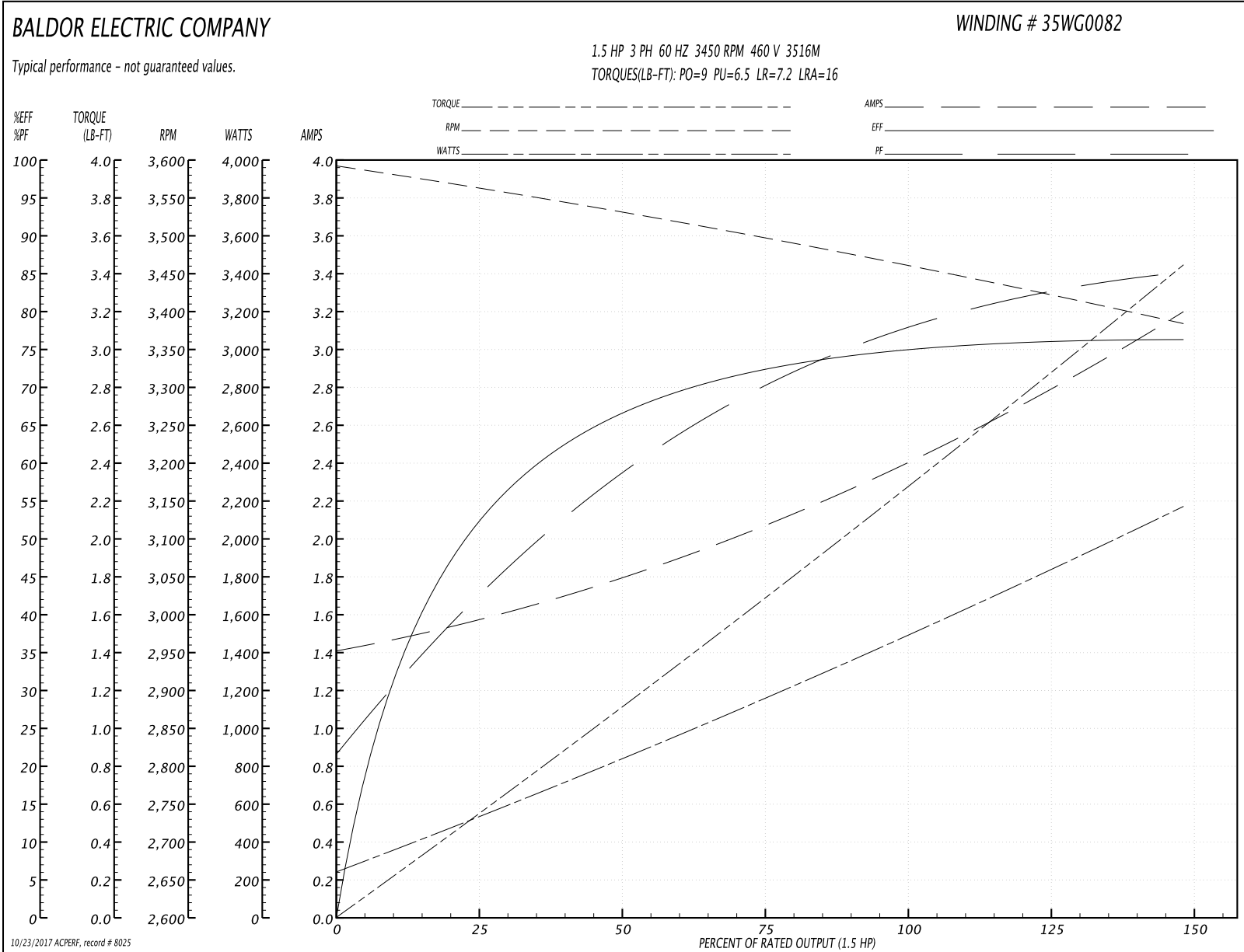
Winding: 35WG0082-R001	Type: 3516M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	2.3 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5-4.6/2.3			Breakdown Torque	9 LB-FT
R.P.M.	3450			Pull-up Torque	6.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	7.2 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	16 A
Service Factor (S.F.)	1.15			No-load Current	1.4 A
NEMA Nom. Eff.	75.5	Power Factor	76	Line-line Res. @ 25°C	11.8 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	63°C
S.F. Amps				Temp. Rise @ S.F. Load	70°C
				Locked-rotor Power Factor	67
				Rotor inertia	0.0443 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	59	71	79	83	86	81
Efficiency	52.2	66.7	72.7	75.5	76.2	76.1	75.9
Speed	3558	3528	3496	3461	3424	3382	3439
Line amperes	1.6	1.8	2.1	2.4	2.8	3.2	2.64

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 20302 - Typical performance - not guaranteed values

Winding: 35WG0082-R008	Type: 3516M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	2.3 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5-4.6/2.3			Breakdown Torque	9 LB-FT
R.P.M.	3450			Pull-up Torque	6.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	7.2 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	16 A
Service Factor (S.F.)	1.15			No-load Current	1.4 A
NEMA Nom. Eff.	75.5	Power Factor	76	Line-line Res. @ 25°C	11.8 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	63°C
S.F. Amps				Temp. Rise @ S.F. Load	70°C
				Locked-rotor Power Factor	67
				Rotor inertia	0.0443 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	59	71	79	83	86	81
Efficiency	52.2	66.7	72.7	75.5	76.2	76.1	75.9
Speed	3558	3528	3496	3461	3424	3382	3439
Line amperes	1.6	1.8	2.1	2.4	2.8	3.2	2.64

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values

