



Customer information packet 1411W

40M 4P GRINDER

Specifications

Frequency	50.00 Hz
	60.00 Hz
Nameplate Output	7.5
Number of Poles	4
Phase	3
Product Style	GRINDER
Speed	1500 rpm
	1800 rpm
Voltage	208 V
	230 V
	460 V

Part detail

Revision	P
Type	AC
Mech. spec.	G14-116
Base	
Status	PRD/A
Elec. spec.	G4WG0040
Layout	G4LY0116
Eff. date	03-28-2025
CD Diagram	CD0258
Poles	04
Leads	9#14
Proprietary	False
Created date	07-12-2007

Nameplate

NP3361L			
CAT.NO.	1411W		
HP	7.5	VOLTS	208-230/460
PHASE	3	AMPS	18.8/9.4
HZ	50//60	RPM	1500//1800
SER.NO			
SPEC.	G14-116C-0040		
BLANK			

Accessories

Part number	Description	Multiplier
GA20	PEDESTAL INDUSTRIAL, CAST IRON 8"-14"	A8
GA9	PAIR LIGHTED EYESHIELDS	A8
GA9-1	SINGLE LIGHTED EYESHIELD	A8
GA9S	PAIR EYESHIELDS W/ ON-OFF SWITCH	A8
GA11	PAIR EYESHIELDS	A8
B147	14" 30 GRIT GRINDING WHEEL	A8
B148	14" 46 GRIT GRINDING WHEEL	A8
DC14-3	DUST CONTROL FOR 14 IN GRINDER	A8

AC Induction Motor Performance Data

Record # 94757

Typical performance - not guaranteed values

Winding: G4WG0040-R001				Type: G1440M		Enclosure: TENV	
Nameplate Data				460 V, 50 Hz: High Voltage Connection			
Rated Output (HP)		7.5		Full Load Torque		27.03 LB-FT	
Volts		208-230/460		Start Configuration		direct on line	
Full Load Amps		18.8/9.4		Breakdown Torque		95.9 LB-FT	
R.P.M.		1500//1800		Pull-up Torque		36.5 LB-FT	
Hz		50//60	Phase	3	Locked-rotor Torque		55.8 LB-FT
NEMA Design Code		- KVA Code		G	Starting Current		67.4 A
Service Factor (S.F.)				1	No-load Current		3.26 A
NEMA Nom. Eff.		0	Power Factor	0	Line-line Res. @ 25°C		1.94 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		36°C	
				Locked-rotor Power Factor		36.9	
				Rotor inertia		0.984 lb-ft²	

Load Characteristics 460 V, 50 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	53	74	82	85	87	87
Efficiency	83.8	89.2	89.9	89.5	87.9	85.4
Speed	1490	1480	1470	1459	1447	1431
Line amperes	3.86	5.23	7.1	9.2	11.5	14.12

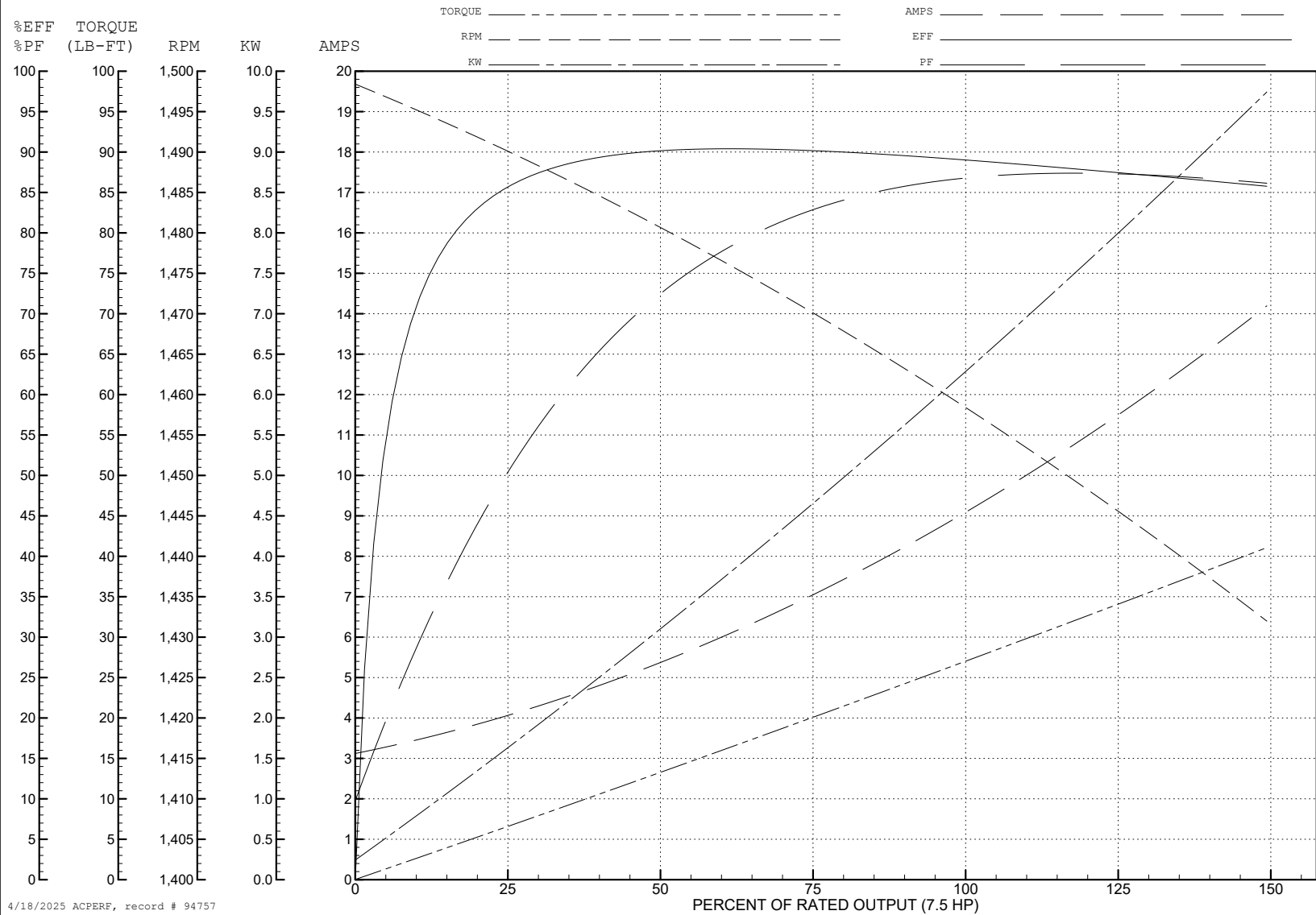
ABB Motors and Mechanical Inc.

WINDING # G4WG0040

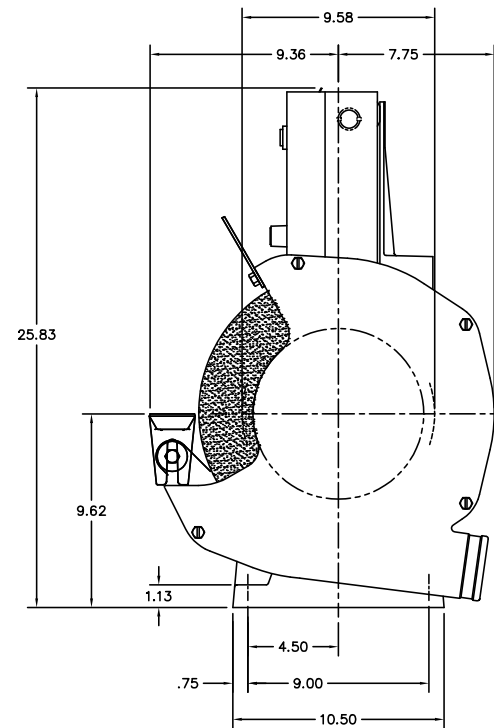
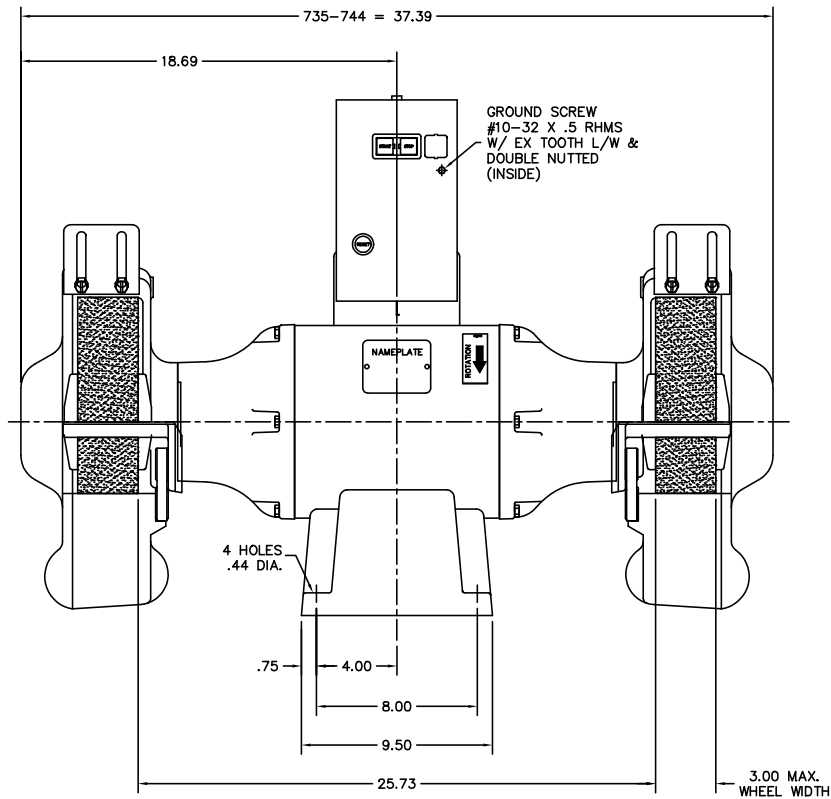
Typical performance - not guaranteed values.

7.5 HP 3 PH 50 HZ 1459 RPM 460 V G1440M

TORQUES (LB-FT): PO=95.9 PU=36.5 LR=55.8 LRA=67.4



G4LY0116



CUST. NAME		CUST. P.O.		CERTIFIED BY		MODEL		INSUL	AMB		
H.P.	MTG	TYPE	R.P.M.	VOLTS		ENCL	PHASE	FREQ	FRAME		
REV. DESC: MOVED STARTER BOX TO CENTER OF MOTOR						BALDOR ELECTRIC Co.					
REV. LTR: A		BY: JD		REVISED: 01/07/00 1:55						TDR: 0199019	
FILE: AAA00066297				MDL: -							
MTL: -						STD 14" GRINDER 37 W/REAR EXHAUST & 'GE' MAGNETIC STARTER					

G4LY0116

