



Customer information packet

1410W

35M 4P GRINDER

Specifications

Frequency	50.00 Hz
	60.00 Hz
Nameplate Output	5
Number of Poles	4
Phase	3
Shaft Diameter	1.250 IN
Speed	1500 rpm
	1800 rpm
Voltage	208 V
	230 V
	460 V

Part detail

Revision	C
Type	AC
Mech. spec.	G14-116
Base	
Status	PRD/A
Elec. spec.	G4WG0119
Layout	G4LY0116
Eff. date	03-28-2025
CD Diagram	CD0258
Poles	04
Leads	9#14
Proprietary	False
Created date	11-20-2020

Nameplate

NP3361L			
CAT.NO.	1410W		
HP	5	VOLTS	460
PHASE	3	AMPS	6.35
HZ	50//60	RPM	1500//1800
SER.NO			
SPEC.	G14-116F-0119G1		
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 # 85538

Typical performance - not guaranteed values

Winding: G4WG0119-R001		Type: G1435M	Enclosure: TENV			
Nameplate Data		460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)	5	Full Load Torque	14.88 LB-FT			
Volts	208-230/460	Start Configuration	direct on line			
Full Load Amps	12.7/6.35	Breakdown Torque	53.78 LB-FT			
R.P.M.	1500//1800	Pull-up Torque	22.93 LB-FT			
Hz	50//60	Phase	3	Locked-rotor Torque	31.17 LB-FT	
NEMA Design Code	B	KVA Code	H	Starting Current	41.65 A	
Service Factor (S.F.)			1	No-load Current	3.16 A	
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	2.06 Ω	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load			
			Locked-rotor Power Factor			39.4
			Rotor inertia			0.861 lb-ft²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	41	63	75	82	85	87
Efficiency	82.7	88.7	89.9	90.1	90	89.4
Speed	1791	1784	1776	1768	1759	1749
Line amperes	3.49	4.18	5.18	6.35	7.63	9.02

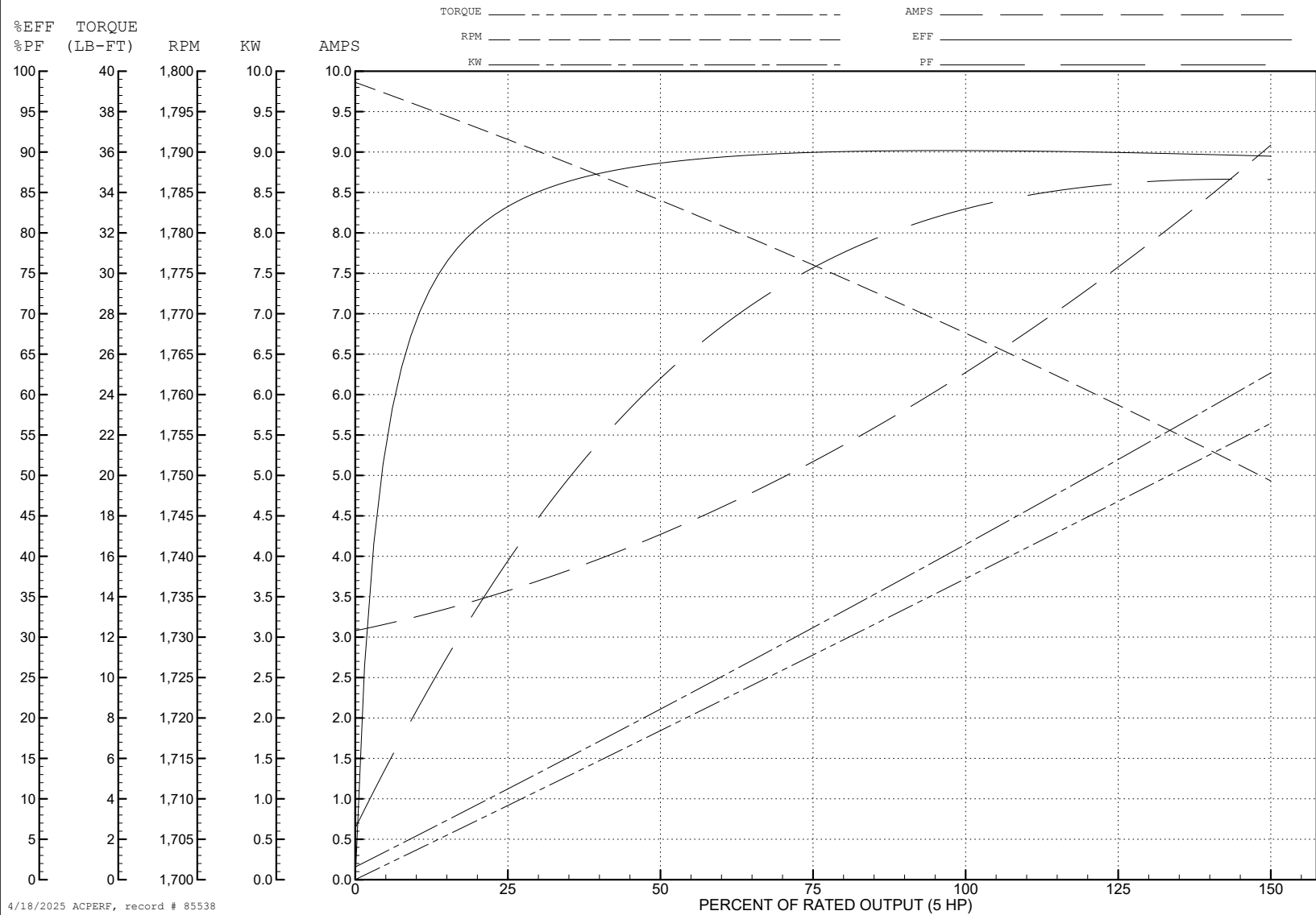
ABB Motors and Mechanical Inc.

WINDING # G4WG0119

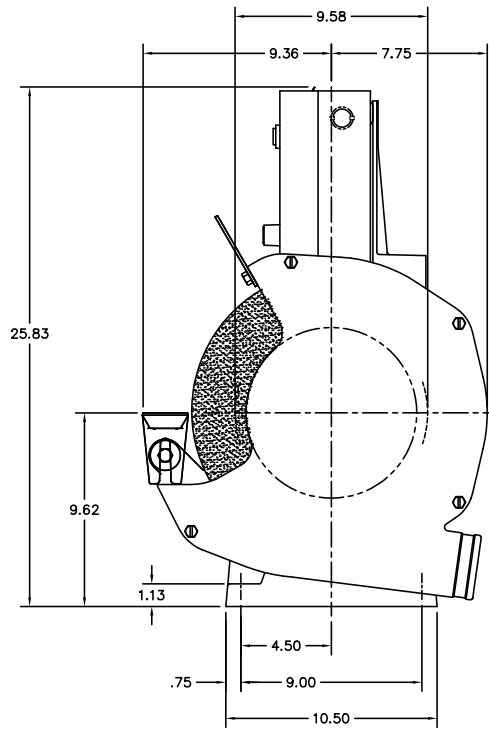
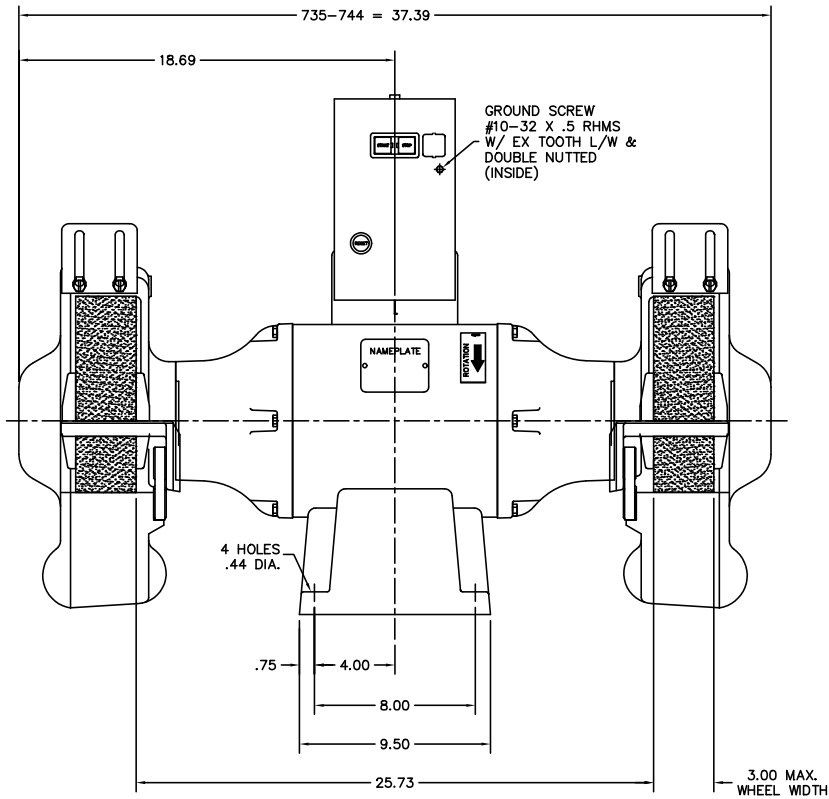
Typical performance - not guaranteed values.

5 HP 3 PH 60 HZ 1768 RPM 460 V G1435M

TORQUES (LB-FT): PO=53.78 PU=22.93 LR=31.17 LRA=41.65



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

CD0258

