



Customer information packet 1021W

28M 4P GRNDR

Specifications

Frequency	50.00 Hz
	60.00 Hz
Nameplate Output	1.5
Number of Poles	4
Phase	3
Shaft Diameter	0.875 IN
Speed	1500 rpm
	1800 rpm
Voltage	208 V
	230 V
	460 V

Part detail

Revision	A
Type	AC
Mech. spec.	G10-163
Base	
Status	PRD/A
Elec. spec.	G0WG0360
Layout	G0LY0163
Eff. date	07-23-2024
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	02-23-2023

Nameplate

NP0113			
CAT.NO.	1021W		
HP	1.5	VOLTS	208-230/460
PHASE	3	AMPS	4.6-4.4/2.2
HZ	60//50	RPM	1800//1500
SER.NO			
SPEC.	G10-163G0360		

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
GA24	WATER POT	A8
B102	10" 36 GRIT GRINDING WHEEL	A8
B103	10" 60 GRIT GRINDING WHEEL	A8
GA9	PAIR LIGHTED EYESHIELDS	A8
GA9-1	SINGLE LIGHTED EYESHIELD	A8
GA9S	PAIR EYESHIELDS W/ ON-OFF SWITCH	A8
GA11	PAIR EYESHIELDS	A8
DC10	DUST CONTROL UNIT	A8

AC Induction Motor Performance Data

Record # 87539

Typical performance - not guaranteed values

Winding: G0WG0360-R001			Type: G1028M		Enclosure: TENV		
Nameplate Data				460 V, 50 Hz: High Voltage Connection			
Rated Output (HP)		1.5		Full Load Torque		5.45 LB-FT	
Volts		208-230/460		Start Configuration		direct on line	
Full Load Amps		4.6-4.4/2.2//4.4-4/2		Breakdown Torque		20.26 LB-FT	
R.P.M.		1500//1800		Pull-up Torque		13.77 LB-FT	
Hz	50//60	Phase	3	Locked-rotor Torque		17.79 LB-FT	
NEMA Design Code		- KVA Code		Starting Current		13.88 A	
Service Factor (S.F.)		1		No-load Current		1.27 A	
NEMA Nom. Eff.		0	Power Factor	0		Line-line Res. @ 25°C	17.9 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load			
				Locked-rotor Power Factor		79.9	
				Rotor inertia		0.202 lb-ft²	

Load Characteristics 460 V, 50 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	35	56	69	77	81	84
Efficiency	77.1	82.7	83	81.1	78.6	74.9
Speed	1484	1466	1447	1426	1401	1370
Line amperes	1.32	1.53	1.83	2.21	2.7	3.2

ABB Motors and Mechanical Inc.

WINDING # G0WG0360

Typical performance - not guaranteed values.

1.5 HP 3 PH 50 HZ 1426 RPM 460 V G1028M

TORQUES (LB-FT): PO=20.26 PU=13.77 LR=17.79 LRA=13.88





