

Variable Frequency Drives



GA500 AC Microdrive (Applications: Conveyors, Pumps, Fans) [\(Click to Learn More\)](#)


Power Output (HP)		240V Models									480V Models		
		Single-Phase				Three-Phase					Three-Phase		
Normal Duty	Heavy Duty	Catalog Code	Output Amps		Frame	Catalog Code	Output Amps		Frame	Catalog Code	Output Amps		Frame
			ND	HD			ND	HD			ND	HD	
1/6	1/6	GA50UB001ABA	1.2	0.8	1.1	GA50U2001ABA	1.2	0.8	1.1				
1/4	1/4	GA50UB002ABA	1.9	1.6	1.1	GA50U2002ABA	1.9	1.6	1.1				
1/2	1/2									GA50U4001ABA	1.2	1.2	2.1
3/4	1/2	GA50UB004ABA	3.5	3	1.3	GA50U2004ABA	3.5	3	1.2				
1	3/4									GA50U4002ABA	2.1	1.8	2.2
1.5	1	GA50UB006ABA	6	5	2.4	GA50U2006ABA	6	5	1.4				
2	2									GA50U4004ABA	4.1	3.4	2.4
3	2	GA50UB010ABA	9.6	8	2.5	GA50U2010ABA	9.6	8	2.3				
3	3	GA50UB012ABA	12.2	11	3.2					GA50U4005ABA	5.4	4.8	2.5
4	3					GA50U2012ABA	12.2	11	2.4	GA50U4007ABA	7.1	5.6	2.5
5	4									GA50U4009ABA	8.9	7.3	2.5
N/A	5	GA50UB018ABA	N/A	17.6	4								
7.5	5					GA50U2021ABA	21	17	3.1	GA50U4012ABA	11.9	9.2	3.1
10	7.5					GA50U2030ABA	30	25	5				
10	10									GA50U4018ABA	17.5	14.8	5
15	10					GA50U2042ABA	42	33	5	GA50U4023ABA	23.4	18	5
20	20					GA50U2070ABA	70	60	7	GA50U4031ABA	31	24	6
25	20					GA50U2082ABA	82	75	7	GA50U4038ABA	38	31	6
30	25									GA50U4044ABA	44	39	8
40	30									GA50U4060ABA	60	45	8

Popular Options (More Found in Catalog)					
Ethernet/IP Card	SI-EN3	N1 Kits	See Catalog for Listing	Full Feature Keypad	JVOP-KPLCA04MEB
Profibus-DP Card	SI-P3	Din Rail Kits	See Catalog for Listing	Keypad Adaptor Kit	JVOP-KPLCC04MBB
Profinet Card	SI-EP3			Remote Mount Kit- Standard Keypad	ZPBA-GA500
Option Card Carrier	JOHB-GA50			Remote Mount Cable-1M	UWR0051

Legacy Micro-Drive Products

(Still Available)

J1000
AC Micro-Drive



Ranges:
1/8 to 7-1/2HP 230V, 460V.


Applications:
Simple fans & centrifugal pumps to 7-1/2 HP.

Accessories Available:
NEMA 1 end cap.

Notes:
Older model. Economical for OEMs.

[\(Click to Learn More\)](#)

V1000-4X
AC Micro-Drive in 4X Enclosure



Ranges:
1/8 to 25HP 230V, 460V.

Applications:
Food processing, wash-down areas.

Accessories Available:
Serial and ethernet comms.

Notes:
Current-Wet or dusty environments.
Off the shelf as complete.
No configuration needed.

[\(Click to Learn More\)](#)

EASILY HANDLE ANY APPLICATION.

effortless integration
MAKING safe intuitive
easy COMPLICATED
rugged powerful
SIMPLE flexible
sustainable



240 VAC Single-Phase 1/8 - 2 HP
240 VAC Three-Phase 1/8 - 30 HP
480 VAC Three-Phase 1/2 - 80 HP



Questions to consider...

What is the application?

Constant Torque Applications (Conveyors, loaders, etc.) require a suitable drive (GA500 OR GA800). Variable torque loads (fans and centrifugal pumps) can be controlled with either CT Drives or specialized Fan/Pump Drives (P1000 on opposite side).

What are your Full Load Amps?

Check motor nameplate to make sure voltages and full load amps (FLA) are known. Pick next larger size drive as compared to FLA.

How/Where is the drive being mounted?

There are a lot of options to mount inside and enclosure, or as a stand-alone controller. NEMA 1 Kits are available, as well as configured drives in NEMA 1, NEMA 12 or NEMA 3R Enclosures.

How is the Drive being communicated with?

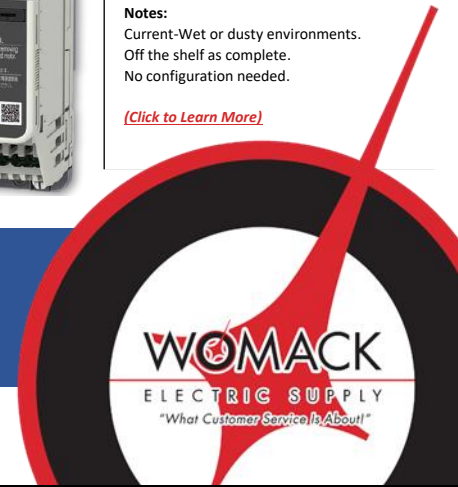
If using a PLC to start and stop the drive, make sure to choose the proper communication card (i.e., Ethernet IP).

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Free Technical Support! 1-800-Yaskawa

Free Training! Check with your local Sales Associate

This Control Quick Selection Guide shows commonly used, in-stock items. Additional configurations for all items shown are available. Please contact your Womack sales representative for more information on YASKAWA products!



Variable Frequency Drives



GA800 AC Industrial Drive (Applications: Conveyors, Pumps, Fans, Closed Loop Systems, or Any Application!) [\(Click to Learn More\)](#)

Power Output (HP)		240V Models				480V Models			
Normal Duty	Heavy Duty	Catalog Code	Output Amps		Frame	Catalog Code	Output Amps		Frame
			ND	HD			ND	HD	
1	3/4	GA80U2004ABM	4.2	3.5	1	GA80U4002ABM	2.1	1.8	1
1.5	1	GA80U2006ABM	6	5	1				
2	1.5	GA80U2008ABM	8	6.9	1	GA80U4004ABM	4.1	3.4	1
3	2	GA80U2010ABM	9.6	8	1	GA80U4005ABM	5.4	4.8	1
4	3	GA80U2012ABM	12.2	11	1	GA80U4007ABM	7.1	6.5	1.5
5	4	GA80U2018ABM	17.5	14	1.5	GA80U4009ABM	8.9	7.2	1.5
7.5	5	GA80U2021ABM	21	17.5	1.5	GA80U4012ABM	11.9	9.2	1.5
10	7.5	GA80U2030ABM	30	25	1.5	GA80U4018ABM	17.5	14.8	1.5
15	10	GA80U2042ABM	42	33	1.5	GA80U4023ABM	23.4	18	1.5
20	15	GA80U2056ABM	56	47	2	GA80U4031ABM	31	24	2
25	20	GA80U2070ABM	70	60	3	GA80U4038ABM	38	31	2
30	25	GA80U2082ABM	82	75	3	GA80U4044ABM	44	39	3
40	30	GA80U2110ABM	110	88	4	GA80U4060ABM	59.6	45	3.5
50	40	GA80U2138ABM	138	115	6	GA80U4075ABM	74.9	60	4
60	50	GA80U2169ABM	169	145	7	GA80U4089ABM	89.2	75	6
75	60	GA80U2211ABM	211	180	7	GA80U4103ABM	103	91	6
100	75	GA80U2257ABM	257	215	9	GA80U4140ABM	140	112	7
125	100	GA80U2313ABM	313	283	9	GA80U4168ABM	168	150	7
150	125	GA80U2360ABM	360	346	10	GA80U4208ABM	208	180	9
150	150	GA80U2415ABM	415	415	10				
200	150					GA80U4250ABM	250	216	9
250	200					GA80U4302ABM	302	260	9
300	250					GA80U4371ABM	371	304	10
350	300					GA80U4414ABM	414	371	10
400	350					GA80U4477ABM	477	414	11
450	400					GA80U4568ABM	568	477	11
500	450					GA80U4605ABM	675	605	11
600	500					GA80U4720ABM	720	605	11



Popular Options (More Found in Catalog)			
Communication Options	Keypad Options	NEMA 1 Type Adapters	Custom Configurations
SI-EN3 EtherNet/IP	JVOP-KPLCC04M8B LCD KP with Bluetooth	900-192-121-001 240V - 42A 480V - 23A	<ul style="list-style-type: none"> Installed in N1, 3R, or 12 Enclosure. Circuit Breaker or Disconnect. Cover Control. Additional Line Reactors. Flange Mounted Heat Sink.
SI-ES3 EtherCAT	900-192-933-001 Type 1 KP Panel Mount Kit		
SI-EP3 Profinet	UWR0051 KP Rem Mount Cable - 1M	900-192-121-002 240V 56A, 480V 31-38A	
SI-P3 Profibus-DP			
SI-N3 DeviceNet			

Choose YASKAWA and Get Connected!
 Whether you prefer discrete / analog control or high-speed communication, GA800 covers all your needs for control interface and provides robust connections on all major networks.



Additional YASKAWA Drive Families
P1000 Variable Torque-Pump and Fan Drive



RANGES: 1 - 1000HP 230V, 460V, 575V, Configured NEMA 1, 12 or 3R Panels, Configured By-Pass.
APPLICATIONS: Variable Torque Applications, Fans & centrifugal pumps only. Can be used in HVAC apps.
ACCESSORIES AVAILABLE: NEMA 1 end cap (needed for 150HP & higher), Serial & Ethernet comms.

[\(Click Here to Learn More\)](#)

U1000 Matrix Drive-IEEE 519 Compliant for Clean Power



RANGES: 1 - 800HP 230V, 460V
APPLICATIONS: Water/Wastewater, IEEE 519 Specifications where Clean-Power is a requirement. Used when 75% or greater regeneration capacity is needed. Meets specifications for 18-Pulse Applications.
ACCESSORIES AVAILABLE: Serial & Ethernet comms, NEMA 1 end cap (needed for 150HP & higher).

[\(Click Here to Learn More\)](#)



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