

YASKAWA AC Drive

GA500 Finless-Type Drive

200 V Class, Three-Phase Input: 0.1 to 18.5 kW

200 V Class, Single-Phase Input: 0.1 to 3.0 kW

400 V Class, Three-Phase Input: 0.2 to 18.5 kW

YASKAWA

Do you want to downsize your machine ?

*The complete removal of cooling fins and fans in the
GA500 finless-type drive helps reduce system costs.*

1. Compact

Even lower initial costs with a finless design to minimize the size of the control panel.

2. Energy Savings & Low Audible Noise

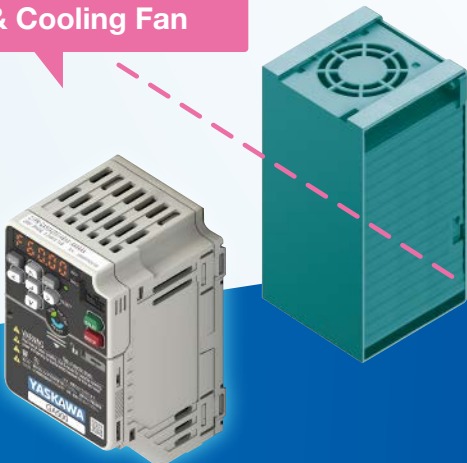
With no cooling fans, drive watt loss is reduced.
With no wind generated by the drive, audible noise is also minimized.

3. Easy Maintenance

Maintenance can be simplified because fans do not need to be replaced and clogged dust does not need to be removed.

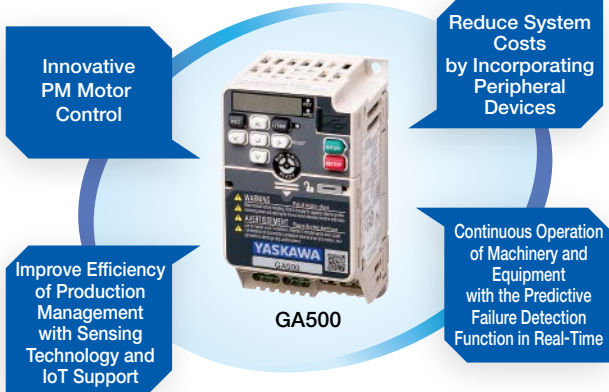


No Cooling Fin
& Cooling Fan



GA500 Features (Catalog No. KAEP C71061740)

The world's smallest class, top performance drive



	Standard Type	Finless Type *1
200 V Class, Three-Phase Input	0.1 to 22 kW	0.1 to 18.5 kW
200 V Class, Single-Phase Input	0.1 to 3.7 kW	0.1 to 3.0 kW
400 V Class, Three-Phase Input	0.2 to 30 kW	0.2 to 18.5 kW

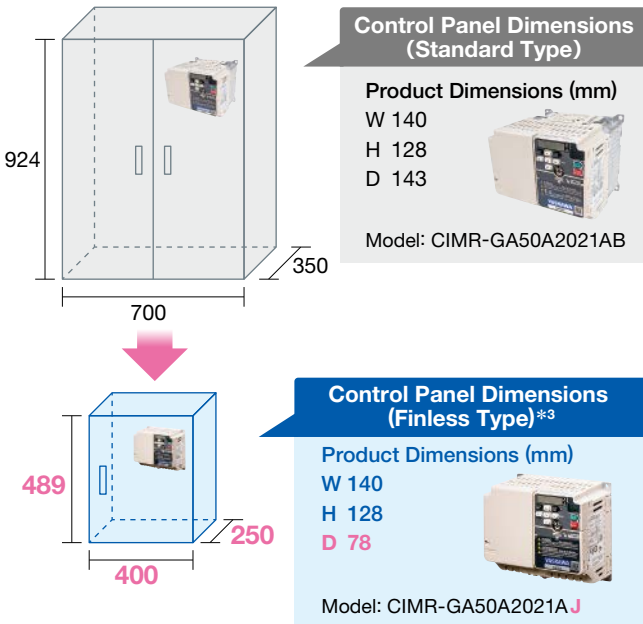
*1: No models with built-in EMC filter available.

Compact Control Panel

Example of three-phase, 200-V class, 3.7 kW (Heavy Duty rating) model

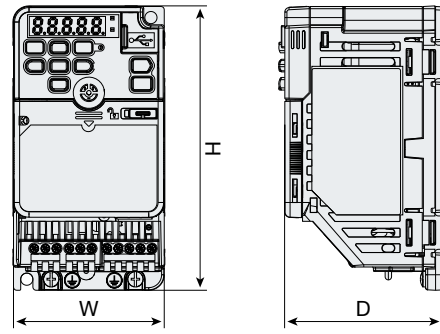
Even more compact control panel by reducing drive watt loss*2

*2: Heat generated from the back of the drive must be processed by a coolant outside the panel as finless-type drives do not have cooling fans.



*3: Example of a calculation when the drive is installed in a fully closed self-cooling (sealed) control panel. Refer to the Installation Manual (TOEPC7106170S) for information about installation conditions.

Comparison of Drive Dimensions



Catalog Code GA50A □□□□	Max. Applicable Motor Capacity kW	Standard Type (GA50A□□□□AB)					Finless Type (GA50A□□□□AJ)				
		Dimensions mm					Dimensions mm				
		HD	ND	W	H	D	Cooling Fan	W	H	D	Cooling Fan
Three-Phase 200 V Class											
2001	0.1	0.2	68	128	76		No	68	128	71	
2002	0.2	0.4	68	128	76		No	68	128	71	
2004	0.4	0.75	68	128	108		No	68	128	71	
2006	0.75	1.1	68	128	128		No	68	128	71	
2008	1.1	1.5	108	128	129		No	108	128	72.5	
2010	1.5	2.2	108	128	129		No	108	128	72.5	
2012	2.2	3.0	108	128	137.5		No	108	128	81	No
2018	3.0	3.7	140	128	143		Yes	140	128	78	
2021	3.7	5.5	140	128	143		Yes	140	128	78	
2030	5.5	7.5	140	260	140		Yes	140	260	145	
2042	7.5	11	140	260	140		Yes	140	260	145	
2056	11	15	180	300	143		Yes	180	300	147	
2070	15	18.5	220	350	187		Yes	220	350	152	
Single-Phase 200 V Class											
B001	0.1	0.2	68	128	76		No	68	128	71	
B002	0.2	0.4	68	128	76		No	68	128	71	
B004	0.4	0.75	68	128	118		No	68	128	81	No
B006	0.75	1.1	108	128	137.5		No	108	128	81	No
B010	1.5	2.2	108	128	154		Yes	108	128	92.5	
B012	2.2	3.0	140	128	163		Yes	140	128	98	
Three-Phase 400 V Class											
4001	0.2	0.4	108	128	81		No	108	128	75	
4002	0.4	0.75	108	128	99		No	108	128	75	
4004	0.75	1.5	108	128	137.5		No	108	128	83.5	
4005	1.5	2.2	108	128	154		No	108	128	100	
4007	2.2	3.0	108	128	154		No	108	128	100	
4009	3.0	3.7	108	128	154		No	108	128	100	No
4012	3.7	5.5	140	128	143		Yes	140	128	78	
4018	5.5	7.5	140	260	140		Yes	140	260	145	
4023	7.5	11	140	260	140		Yes	140	260	145	
4031	11	15	180	300	143		Yes	180	300	147	
4038	15	18.5	180	300	143		Yes	180	300	147	

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Specifications are subject to change without notice for ongoing product modifications and improvements. For inquiries on the contents of this document, contact a Yaskawa representative or the Yaskawa sales department listed above.

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