

GA800 vs. A1000

Product Comparison



Power Comparison

Attribute	GA800	A1000
240 V	≤ 150 HP	≤ 150 HP
480 V	≤ 600 HP (1000 HP Future)	≤ 1000 HP
480 V Optimized 600 HP	☑	N/A
480 V 12-Pulse	75 - 100 HP (1000 HP Future)	40 - 1000 HP
600 V	≤ 500 HP (Future)	≤ 250 HP
Integrated Brake IGBT	≤ 125 HP	≤ 40 HP
Normal Duty Overload	110% - 60sec, 150% - 3 sec	120% - 60sec
Heavy Duty Overload	150% - 60sec, 175% - 5 sec	150% - 60sec

Ease of Use Comparison

Attribute	GA800	A1000
LCD Display	Larger, brighter, 32 character	16 character
Embedded Setup Wizard	☑	N/A
Real Time Clock	☑	N/A
SD Card / Trending	☑	N/A
Bluetooth	☑ (optional)	N/A
QR Code	☑	N/A
Mobile Programming App	☑	N/A
Cloud Storage	☑	N/A
PC/Mobile Powered Programming	☑	N/A

Physical Comparison

Attribute	GA800	A1000
Size (Footprint)	12 - 45% smaller (≥ 40 HP)	-
Type 1 Kit	Optional	Standard
Type 12 Stand-alone	Future	N/A
Flange (Type 12 Backside)	☑	☑
Maximum Temp w/Derate	60°C	50°C
Keyhole Mounting	☑	N/A
Power Terminals for Bare Wire	☑	N/A
Detachable Control Terminals	☑	☑
Conformal Coating	3C2, 3S3	☑

☑: Standard

Flexibility Comparison

Attribute	GA800	A1000
OLV for Induction Motors	☑	☑
Enhanced OLV for IM	☑	N/A
PM Motor Control	☑	☑
Synchronous Reluctance Motor Control	☑	N/A
Safe-Torque-Off	SIL3, PL _e	SIL2, PL _d
Advanced Safety (SLS, etc.)	Future	N/A
24 V Auxiliary Control Power Input	☑	Option
DC / Common Bus	UL listed for DC Input	N/A
ATEX Certification	Future	N/A
SEMI-F47 Certification	Future	N/A
Marine Certifications	Future	N/A