

# PRODUCT COMPARISON

## GA800 VS. A1000

### POWER COMPARISON

Attribute	GA800	A1000
240 V	≤ 150 HP	≤ 150 HP
480 V	≤ 1000 HP	≤ 1000 HP
480 V Optimized 600 HP	✓	N/A
480 V 12-Pulse	75 - 1000 HP	40 - 1000 HP
600 V	≤ 500 HP	≤ 250 HP
Integrated Brake IGBT (240 V Drives)	≤ 75 HP	≤ 20 HP
Integrated Brake IGBT (480 V Drives)	≤ 125 HP	≤ 50 HP
Integrated Brake IGBT (600 V Drives)	≤ 100 HP	≤ 30 HP
Normal Duty Overload	110% - 60 s, 150% - 3 s	120% - 60 s
Heavy Duty Overload	150% - 60 s, 175% - 5 s	150% - 60 s

### 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

✓: Standard

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### PHYSICAL COMPARISON

Attribute	GA800	A1000
Size (Footprint)	12 - 45% smaller (≥ 40 HP)	-
Type 1 Kit	Optional	Standard
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	✓

### 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, PLe	SIL2, PLd
Advanced Safety (SLS, etc.)	Future	N/A
24 V Auxiliary Control Power Input	✓	Option
DC / Common Bus	UL listed for DC Input	N/A
SEMI-F47 Certification	✓	N/A
IEEE1668 Certification	✓	N/A

