

# PRODUCT COMPARISON

## GA800 VS. A1000

### POWER COMPARISON

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

### EASE OF USE COMPARISON

Attribute	A1000	GA800
LCD Display	16 character	Larger, brighter, 32 character
Embedded Setup Wizard	N/A	✓
Real Time Clock	N/A	✓
SD Card / Trending	N/A	✓
Bluetooth*	N/A	✓ (optional)
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	A1000	GA800
Size (Footprint)	-	12 - 45% smaller (≥ 40 HP)
Type 1 Kit	Standard	Optional
Type 12 Stand-alone	N/A	Future
Flange (Type 12 Backside)	✓	✓
Maximum Temp w/Derate	50°C	60°C
Keyhole Mounting	N/A	✓
Power Terminals for Bare Wire	N/A	✓
Detachable Control Terminals	✓	✓
Conformal Coating	✓	3C2, 3S3

### FLEXIBILITY COMPARISON

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

