

Generators - Portable



Cat/Class215-3411
 Make**MQ**
 Model**GA25H**
 Prime KW2.5
 Width19.6"
 Length16.1"
 Height18.25"
 Weight114 lbs
 Fuel Capacity3.6 gal
 Amps (120 V)20.8
 Continuous18.3
 Fuel TypeGasoline
 GPH (@ rated cap) . . .45



Cat/Class215-3411
 Make**KUBOTA**
 Model**AV2500**
 Prime KW2.5
 Width17.3"
 Length21.3"
 Height19.7"
 Weight99 lbs
 Fuel Capacity3.7 gal
 Amps (120 V)18.3
 Continuous18.3
 Fuel TypeGasoline



Cat/Class215-3411
 Make**WACKER**
 Model**G 2.5A**
 Horsepower (max)5.5
 Power KW (max)4.1
 Width17.5"
 Length27"
 Height17"
 Weight94 lbs (dry)
 Fuel Capacity0.975 gal
 AC Voltage120 V
 Amps (AC Circuit Breaker) . . .20
 Continuous AC amps . . .18.8 A
 Starting SystemRecoil
 Fuel TypeGasoline
 GPH (@ rated cap) . . .0.45

Cat/Class215-3412
 Make**WACKER**
 Model**G 3.7A**
 Horsepower (max)8
 Power KW (max)6.0
 Width23"
 Length27"
 Height21"
 Weight150 lbs (dry)
 Fuel Capacity5.2 gal
 AC Voltage120/240 V
 Amps (AC Circuit Breaker) . . .16-2 pole
 Continuous AC amps . . .27.6/13.8
 Starting SystemRecoil
 Fuel TypeGasoline
 GPH (@ rated cap) . . .0.65

Cat/Class215-3415
 Make**WACKER**
 Model**G 5.6A**
 Horsepower (max)11
 Power KW (max)8.2
 Width23"
 Length27"
 Height21"
 Weight168 lbs (dry)
 Fuel Capacity5.2 gal
 AC Voltage120/240 V
 Amps (AC Circuit Breaker) . . .24-2 pole
 Continuous AC amps . . .44.6/22.3
 Starting SystemRecoil
 Fuel TypeGasoline
 GPH (@ rated cap) . . .0.86

For your convenience, see pages 47 & 48 for KVA/KW Amperage Chart and page 49 for Generator Sizing Chart.

Useful Electrical Formulas

To Obtain	Single Phase	Three Phase
Kilowatts	$\frac{V \times A}{1,000}$	$\frac{1.732 \times V \times A \times PF}{1,000}$
KV-A	$\frac{V \times I}{1,000}$	$\frac{1.732 \times V \times I}{1,000}$
Horsepower required when generator KW unknown (If generator efficiency is unknown, use 0.93)	$\frac{KW}{0.746 \times \text{Efficiency (Generator)}}$	$\frac{KW}{0.746 \times \text{Efficiency (Generator)}}$
KW input when motor HP known (if motor efficiency unknown, use 0.85 x HP)	$\frac{HP \times 0.746}{\text{Efficiency (Motor)}}$	$\frac{HP \times 0.746}{\text{Efficiency (Motor)}}$
Amperes when motor HP known	$\frac{HP \times 0.746}{V \times PF \times \text{Efficiency}}$	$\frac{HP \times 0.746}{1.732 \times V \times PF \times \text{Efficiency}}$
Amperes when KW known	$\frac{KW \times 1,000}{V \times PF}$	$\frac{KW \times 1,000}{1.732 \times V \times PF}$
Amperes when KV-A known	$\frac{KV-A \times 1,000}{V}$	$\frac{KV-A \times 10,000}{1.732 \times V}$

Alternating Current (AC) -An electric current that rapidly reverses its direction at regularly recurring intervals - approximately 100 times per second. Travels long distances with little loss. The purpose of a generator is to deliver AC electricity from an alternative source

PF (Power factor) - Ratio of the actual (real power) to the apparent power. Power Factor = Actual power (WATTS)/Apparent power (VA) or KW/KVA

