

DOOSAN
Portable Power

MORE THAN POWER.

GENERATORS

20 kVA - 570 kVA



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DOOSAN Portable Power

»»» ABOUT US

Doosan Portable Power has more than 100 years of manufacturing expertise and application experience, with a focus on providing the highest quality machines with unrivaled customer service. Our market leading product line of portable air compressors, mobile generators and light towers are proudly built in the USA.

Doosan Portable Power is headquartered in Statesville, North Carolina, and was established in 2007 when Doosan Infracore purchased Ingersoll-Rand's Utility Equipment division.

Today, Doosan Portable Power is a subsidiary of Doosan Bobcat Inc. Doosan Bobcat is an industry leader in the engineering, manufacturing and marketing of construction equipment, and also represents the Bobcat brand.

Doosan Bobcat is committed to delivering innovative products and services that provide quality and value.





POWERFUL SOLUTIONS



At Doosan Portable Power, we do more than provide superior products. We deliver powerful solutions to move your business forward. Robust portable air compressors that perform on the most demanding job sites. Mobile generators, light towers & light compaction equipment that are reliable and efficient. Factor in our industry-leading service and support, and it's quite clear that partnering with us is a smart return on your investment.

DEPENDABILITY

Our equipment is built to last with corrosion-resistant galvanneal steel enclosures and a durable, baked-on powder coat finish. Extensive testing at our Statesville, North Carolina facility includes a test track, tilt table, and cold chamber to ensure our machines will perform in the harshest conditions and applications.

Doosan is fully committed to delivering quality machines that maximize uptime and productivity to give you peace of mind.

*"The quality is a 10.
The durability is a 10."*

-Jack Anderson, Pape Material Handling

PERFORMANCE

Doosan Portable Power gives you the power you need in the most efficient manner. We provide leading fuel economy and performance while ensuring compliance with the latest emissions standards.

Doosan also offers unmatched versatility to support almost every job or application. And with user friendly controls and diagnostics, anyone can operate our equipment with minimal instruction.

"Doosan has always performed well for us."

-Mark Grimes, Industrial Marine

SERVICEABILITY

Doosan has an extensive and knowledgeable dealer network. Our dealer-partners have a deep understanding of your business and can provide the solutions you demand.

All of our products are engineered and designed with an emphasis on accessibility to make sure routine maintenance is quick and easy to perform without having to take the machine apart.

"Parts and service are always there when we need it."

-Mike Venuti, Meruelo Group

G20/G25/G40/G50/G70



- » Meets requirements for rental, construction, events and entertainment, and disaster recovery
- » Designed to perform in the harshest environments
- » Meets EPA tier 4 emissions standards without diesel particulate filters
- » Durable CoolBox™ enclosure minimizes sound levels and ensures proper cooling airflow
- » Skid base frames with integrated high capacity fuel tanks with at least 24-hour runtime
- » Base frame is part of the environmental containment system that prevents spillage of fuel or oil
- » Heavy-duty running gear system, mounts easily to baseframe with low-profile, torsion-style axles with choice of electric or hydraulic surge brakes, bolt-on fenders, adjustable height hitches to ensure safe towing on or off-road

» LOW MAINTENANCE

The high-performance Doosan engine features a diesel oxidation catalyst (DOC) aftertreatment system, which is virtually maintenance-free.

» VERSATILITY

Standard units feature multi-voltage and 50/60Hz capability to meet a broad range of applications.

SPECIFICATIONS

MODEL	G20WDO-3A-T4F			G25WDO-3A-T4F			G40WDO-3A-T4F			G50WDO-3A-T4F			G70WDO-3A-T4F		
PRIME POWER RATING	AMPS	KW	KVA	AMPS	KW	KVA	AMPS	KW	KVA	AMPS	KW	KVA	AMPS	KW	KVA
@ 480V-3Ø, 0.8PF, 60Hz	N/A	N/A	N/A	30	20	25	48	32	40	60	40	50	84	56	70
@ 240V-3Ø, 0.8PF, 60Hz	N/A	N/A	N/A	60	20	25	96	32	40	120	40	50	168	56	70
@ 208V-3Ø, 0.8PF, 60Hz	N/A	N/A	N/A	69	20	25	111	32	40	139	40	50	190	55	68
@ 240V-1Ø, 1.0PF, 60Hz	83	20	20	83	20	20	127	30	30	140	33	33	209	50	50
@ 120V-1Ø, 1.0PF, 60Hz	83 × 2	20	20	83 × 2	20	20	127 × 2	30	30	140 × 2	33	33	209 × 2	50	50
@ 400V-3Ø, 0.8PF, 50Hz	N/A	N/A	N/A	36	20	25	45	25	31	62	34	43	89	50	62
Voltage Configuration	Dedicated Single-Phase			3-Position Switch			3-Position Switch			3-Position Switch			3-Position Switch		
Frequency Capability	60Hz			50Hz/60Hz Switchable			50Hz/60Hz Switchable			50Hz/60Hz Switchable			50Hz/60Hz Switchable		
ENGINE															
Engine Make / Model	Doosan D18			Doosan D18			Doosan D24			Doosan D24			Doosan D34		
Displacement (L)	1.8			1.8			2.4			2.4			3.4		
Number of Cylinders	3			3			4			4			4		
Power Output @ 1800RPM - HP (kWm)	39.5 (28.8)			39.5 (28.8)			48.8 (36)			59.8 (44.6)			85.8 (64)		
Emissions Tier Level	Tier 4 Final			Tier 4 Final			Tier 4 Final			Tier 4 Final			Tier 4 Final		
Aftertreatment Technology	DOC			DOC			DOC			DOC			DOC / SCR		
Usable Fuel Tank Capacity - Gal (L)	47 (177)			47 (177)			110 (416)			110 (416)			110 (416)		
Diesel Exhaust Fluid (DEF) Capacity - Gal (L)	N/A			N/A			N/A			N/A			5.1 (19.3)		
Runtime @ 100% Load - Hr	24			24			37			30			25		
DIMENSIONS WITH RUNNING GEAR															
Length - in (mm)	130.5 (3315)			130.5 (3315)			130.5 (3315)			130.5 (3315)			163.8 (4161)		
Width - in (mm)	68.3 (1735)			68.3 (1735)			68.3 (1735)			68.3 (1735)			71.3 (1810)		
Height - in (mm)	76.6 (1946)			76.6 (1946)			76.6 (1946)			76.6 (1946)			93.3 (2371)		
Weight (Ready to Run) - lb (kg)	3060 (1388)			3060 (1388)			3823 (1735)			3930 (1782)			5550 (2518)		
Sound Level @ 23 ft (7m) and 100%	62			62			64			66			64		

G125/G150



- » Temperature-controlled, variable-speed cooling fan to the package allows enhanced performance in extreme ambient temperatures, improves sound attenuation, reduces water ingress across the operating range
- » Broad range of output voltages with standard three-position voltage selector switch or link board panel
- » Voltage change feature is protected from unauthorized access and will shut the machine down to prevent switching during operation
- » Customer connection panel is spacious and designed to accept a wide variety of power cables
- » Convenience receptacle panel includes 240V single phase twist-lock receptacles and 120V GFCI receptacles that are powered any time the unit is running
- » Advanced LCD-display control panel includes:
 - remote auto start/stop control
 - telematics system integration
 - alert of warnings or shutdowns
 - log of system faults
- » Powered by Cummins tier 4 compliant diesel engines
- » High-capacity diesel exhaust fluid (DEF) tanks to ensure DEF supply is matched to available fuel supply
- » Upgraded CoolBox Plus™

» AT-A-GLANCE

The easy-to-use operator panel includes the powerful TG410 controller and is complemented by a full array of analog gauges, which simplify control and monitoring.

» DURABILITY

The G125-570 range is powered by Cummins diesel engines which meet tier 4 regulations while ensuring reliable performance and reduced maintenance.

SPECIFICATIONS

MODEL	G125WDO-3A-T4F			G150WDO-3A-T4F		
PRIME POWER RATING	AMPS	KW	KVA	AMPS	KW	KVA
@ 480V-3Ø, 0.8PF, 60Hz	151	100	125	186	123	154
@ 240V-3Ø, 0.8PF, 60Hz	301	100	125	371	123	154
@ 208V-3Ø, 0.8PF, 60Hz	336	97	121	411	118	148
@ 240V-1Ø, 1.0PF, 60Hz	360	86.5	86.5	433	104	104
@ 120V-1Ø, 1.0PF, 60Hz	360 × 2	86.5	86.5	433 × 2	104	104
@ 400V-3Ø, 0.8PF, 50Hz	152	84	105	191	106	132
Voltage Configuration	3-Position Switch			3-Position Switch		
Frequency Capability	50Hz/60Hz Switchable			50Hz/60Hz Switchable		
ENGINE						
Engine Make / Model	Cummins QSB5-G11			Cummins QSB5-G12		
Displacement (L)	4.5			4.5		
Number of Cylinders	4			4		
Power Output @ 1800RPM - HP (kWm)	153 (114)			186 (139)		
Emissions Tier Level	Tier 4 Final			Tier 4 Final		
Aftertreatment Technology	DOC / SCR			DOC / SCR		
Usable Fuel Tank Capacity - Gal (L)	176.5 (668)			176.5 (668)		
Diesel Exhaust Fluid (DEF) Capacity - Gal (L)	24.4 (92.4)			24.4 (92.4)		
Runtime @ 100% Load - Hr	24.5			20.1		
DIMENSIONS WITH RUNNING GEAR						
Length - in (mm)	171 (4343)			171 (4343)		
Width - in (mm)	72.5 (1841)			72.5 (1841)		
Height - in (mm)	91.0 (2311)			91.0 (2311)		
Weight (Ready to Run) - lb (kg)	6950 (3152)			6950 (3152)		
Sound Level @ 23 ft (7m) and 100%	68			68		

G190/G240/G325



- » Features DualBox™ enclosure design
- » Enclosure separates the powertrain from the cooling system, allowing independent control of the cooling performance in each compartment
- » Engine compartment is cooled by dual, variable speed, electric cooling fans designed to maximize sound attenuation and minimize water ingress
- » Cooling compartment features a high-efficiency, centrifugal style cooling fan which improves fuel economy and provides the cooling performance that tier 4 diesel engines need
- » Brushless alternators have the motor starting capability required to power tower cranes, rock crushers and oilfield equipment
- » Strong and powerful alternator that increases starting capacity
- » Solid-state automatic voltage regulators provide the precise voltage control needed in sensitive applications such as concerts, film production, and special events
- » Highest-grade insulating materials to ensure long life and resistance to dust and moisture common in mobile applications
- » Designed with the service technician in mind: 500 hour intervals between fluid and filter exchanges, downtime for maintenance is minimized, all maintenance points are easily accessible and designed for fast and easy service

» RUNTIME

The G190, G240, and G325 all have minimum runtimes of 24 hours or more at full load. High-capacity diesel exhaust fluid (DEF) tanks ensure DEF supply is matched to available fuel supply.

» LOW MAINTENANCE

The 500-hour service intervals on the G190-G325 models keep the machines on the job more and in the shop less. All service points are easily accessible.

SPECIFICATIONS

MODEL	G190WDO-3A-T4F			G240WDO-3A-T4F			G325WDO-3A-T4F		
PRIME POWER RATING	AMPS	KW	KVA	AMPS	KW	KVA	AMPS	KW	KVA
@ 480V-3Ø, 0.8PF, 60Hz	218	145	181	283	188	235	401	267	334
@ 240V-3Ø, 0.8PF, 60Hz	434	145	181	566	188	235	803	267	334
@ 208V-3Ø, 0.8PF, 60Hz	501	145	181	608	175	219	877	253	316
@ 240V-1Ø, 1.0PF, 60Hz	458	110	110	567	136	136	821	197	197
@ 120V-1Ø, 1.0PF, 60Hz	458 × 2	110	110	567 × 2	136	136	821 × 2	197	197
@ 400V-3Ø, 0.8PF, 50Hz	238	132	165	289	160	200	404	224	280
Voltage Configuration	3-Position Switch			Link Board Panel			Link Board Panel		
Frequency Capability	50Hz/60Hz Switchable			50Hz/60Hz Switchable			50Hz/60Hz Switchable		
ENGINE									
Engine Make / Model	Cummins QSB7-G8			Cummins QSB7-G9			Cummins QSL9-G9		
Displacement (L)	6.7			6.7			8.9		
Number of Cylinders	6			6			6		
Power Output @ 1800RPM - HP (kWm)	219 (163)			282 (210)			393 (293)		
Emissions Tier Level	Tier 4 Final			Tier 4 Final			Tier 4 Final		
Aftertreatment Technology	DOC / SCR			DOC / SCR			DOC / SCR		
Usable Fuel Tank Capacity - Gal (L)	330 (1249)			330 (1249)			460 (1741)		
Diesel Exhaust Fluid (DEF) Capacity - Gal (L)	24.4 (92.4)			24.4 (92.4)			24.4 (92.4)		
Runtime @ 100% Load - Hr	31.7			24.4			24.1		
DIMENSIONS WITH RUNNING GEAR									
Length - in (mm)	224 (5689)			224 (5689)			240 (6098)		
Width - in (mm)	83.2 (2114)			83.2 (2114)			83 (2109)		
Height - in (mm)	102.9 (2615)			102.9 (2615)			113 (2870)		
Weight (Ready to Run) - lb (kg)	11377 (5172)			11377 (5172)			14032 (6378)		
Sound Level @ 23 ft (7m) and 100%	69			69			76		

G400/G570



- » Versatile enough for any application, the G400 and G570 feature an easily accessible two-position link board configured for operation at most common voltages and on-board storage for optional single-phase link board
- » The G570 leads its class for both smallest footprint and best motor starting capability, making it the industry's best in power density
- » The G570 is designed for seamless paralleling and comes standard with a DEIF AGC4 paralleling controller
- » The TG410 controller is standard on the G400; the DEIF AGC4 paralleling controller is available as an option.
- » Both models come standard with an oversized alternator for best-in-class motor starting capacity
- » Separation of diesel fuel and DEF fill points reduce the possibility of cross-contamination
- » Heavy-duty trailer and running gear meets National Highway Safety Administration (NHTSA) standards
- » CoolBox+™ enclosure design ensures optimum cooling, low noise levels, and reduced water ingress

» NO MINIMUM LOAD

The G400 and G570 are the only 400 kVA or larger generators in the market without minimum load requirements.

» OPERATOR-FRIENDLY

Doosan's standard control panel features analog gauges, for at-a-glance monitoring, as well as an advanced digital control display.

SPECIFICATIONS

MODEL	G400WDO-3A-T4F			G570WDO-3A-T4F		
PRIME POWER RATING	AMPS	KW	KVA	AMPS	KW	KVA
@ 480V-3Ø, 0.8PF, 60Hz	484	322	402	686	456	570
@ 240V-3Ø, 0.8PF, 60Hz	967	322	402	1371	456	570
@ 208V-3Ø, 0.8PF, 60Hz	1116	322	402	1582	456	570
@ 240V-1Ø, 1.0PF, 60Hz	900	216	216	1063	255	255
@ 120V-1Ø, 1.0PF, 60Hz	900 x 2	216	216	N/A	N/A	N/A
@ 400V-3Ø, 0.8PF, 50Hz	559	310	387	N/A	N/A	N/A
Voltage Configuration	Link Board Panel			Link Board Panel		
Frequency Capability	50Hz/60Hz Switchable			60Hz		
ENGINE						
Engine Make / Model	Cummins QSG12			Cummins X15		
Displacement (L)	11.8			14.95		
Number of Cylinders	6			6		
Power Output @ 1800RPM - HP (kWm)	475 (354)			680 (507)		
Emissions Tier Level	Tier 4 Final			Tier 4 Final		
Aftertreatment Technology	DOC / DPF / SCR			DOC / SCR		
Usable Fuel Tank Capacity - Gal (L)	470 (1780)			656 (2483.2)		
Diesel Exhaust Fluid (DEF) Capacity - Gal (L)	46 (174)			46 (174)		
Runtime @ 100% Load - Hr	20.2			21.1		
DIMENSIONS WITH RUNNING GEAR						
Length - in (mm)	241 (6121)			260 (6604)		
Width - in (mm)	83 (2109)			98.5 (2502)		
Height - in (mm)	115 (2921)			119.8 (3043)		
Weight (Ready to Run) - lb (kg)	15450 (7022)			23574 (10693)		
Sound Level @ 23 ft (7m) and 100%	76			75		

INTELLIGENT LOAD MANAGEMENT SYSTEM



Doosan understands that generators must perform, even in challenging light load applications that may be further affected by extremely low temperatures. Whether a cyclical application, such as an oilfield pump jack, or a periodic load, such as a mancamp, even properly sized generators can suffer performance or reliability problems. This is particularly challenging for modern tier 4 engines which require high exhaust temperatures for proper performance of the emissions control components.

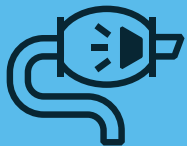
To perform at its best, your generator must reach a certain operational temperature – anything less hinders performance and makes it difficult to burn off excess fuel. The unburned fuel becomes a sludge-like buildup or wetness in the exhaust system known as “wet stacking.”

Diesel generator wet stacking can clog the exhaust and aftertreatment system, requiring time-consuming cleaning and expensive repairs. Wet stacking can also cause permanent damage to internal engine components

ILMS automatically raises the engine and exhaust temperature with supplemental heat, achieving the optimal operating temperature to prevent diesel generator wet stacking and ensure generator performance in light load and fluctuating conditions.

Engine manufacturers require a minimum of 30% load on the engine for optimum performance. If you have a small load at your jobsite, the ILMS option will allow you to meet that requirement, resulting in increased performance and reliability without sacrificing capacity or fuel economy.

AVOID WET STACKING



COLD TEMP



AUTONOMOUS OPERATION



INCREASED UPTIME



PARALLELING & POWER MANAGEMENT

MORE THAN POWER.

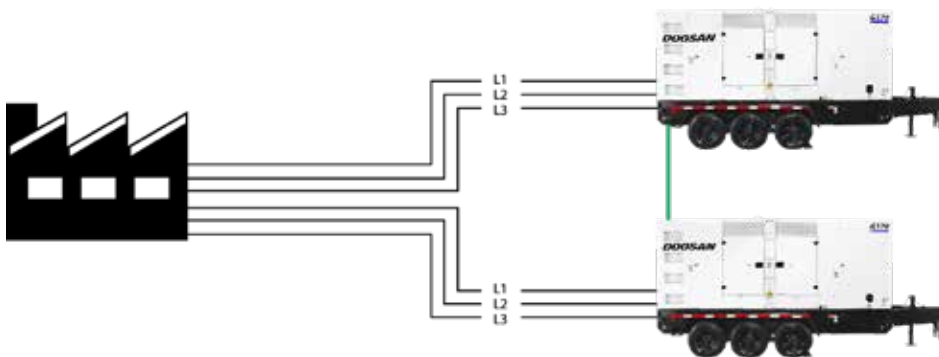
For applications that require additional power or desire redundancy to ensure the ultimate reliability, Doosan offers advanced control systems that allow multiple generators to be synchronized and paralleled together. Doosan has partnered with Deif, a global leader in control systems, to offer a highly configurable control system capable of supporting a broad range of applications, but also intuitive and easy to operate by rental customers.

Load sharing is accomplished by a two-wire CANbus data link and additionally has the option to communicate with other common brands of controller via a three-wire analog data link. The system offers advanced power management capability including load dependent starting and stopping, asymmetric load-sharing, and priority selection which allow the user to optimize load-sharing based on running hours or fuel consumption.

The system comes fully configured from the factory which greatly simplifies commissioning and set up. The controller is easily programmed through the operator interface or via a laptop interface using Deif's downloadable USW configuration software.

For more advanced applications, Doosan offers the feature-enhanced Deif AGC4 controller. Coupled with the Leroy Somer D510C digital AVR, the system can be easily programmed for high performance in challenging applications such as motor starting, transformer energizing, and close before excitation which can synchronize multiple generators in less than 10 seconds following blackout.

Doosan's complete solution includes a fully packaged control system, a motorized main circuit breaker, Coupled with the Leroy Somer D510C digital AVR and easy terminations for all required customer connections.



DOOSAN
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A worker in a safety vest stands next to a large, white Doosan G25 portable power unit. The unit has 'G25' and 'DOOSAN' printed on it, along with the website 'DoosanPortablePower.com'. The background is a blurred outdoor setting.

DOOSAN

Portable Power

Experience Doosan Portable Power and our industry-leading support and service. Whatever the job, we have the solution. From our comprehensive range of reliable air compressors, to lighting systems and generators, we have a solution to fit your needs. Running a successful business takes more than powerful equipment. That's why Doosan Portable Power partners with an experienced dealer network to stand beside you every step of the way. Doosan Portable Power – more than 100 years of providing excellence.



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