



# Diesel Compact Three phase BG22

	Prime	Standby
Genset model	EN3-BG22P	EN3-BG22S
380-415V, 50Hz	20.0kVA	22.0kVA
	16.0kW	17.6kW
220/127V, 60Hz	22.5kVA	25.0kVA
	18.0kW	20.0kW
Ratings at 0.8 pf		
Prime: This rating is for the supply of continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation on the annual hours of operation and 10% overload power can be supplied for one hour in twelve hours.		
Standby: This rating is for the supply of continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted.		



Engine model	Perkins	404D-22G
Number of cylinders	4 in-line	
Cubic capacity	litre (cu inch)	2.22 (135.0)
Aspiration	Naturally Aspirated	
Alternator	European	



Genset photograph may include optional extras

Frequency		50Hz	60Hz
Engine speed	rpm	1,500	1,800
Fuel tank capacity	litre (USgal)	100 (26.4)	100 (26.4)
Fuel consumption at full rating: Prime	litre /h (USgal /h)	5.40 (1.43)	6.20 (1.64)
Standby	litre /h (USgal /h)	6.20 (1.64)	6.90 (1.82)
Heat rejection to exhaust system (max)	kW (BTU /min)	16.6 (945)	18.3 (1,042)
Heat rejection to cooling system (max)	kW (BTU /min)	19.6 (1,116)	22.2 (1,264)
Total radiated heat (max)	kW (BTU /min)	4.4 (250)	4.6 (262)
Exhaust temperature (max)	deg C (deg F)	505 (941)	510 (950)
Radiator cooling air flow	cu m /min (cfm)	29.4 (1,038)	41.4 (1,462)
with max restriction	mm (inch) H <sub>2</sub> O	12.7 (0.5)	12.7 (0.5)
Combustion air flow (max)	cu m /min (cfm)	1.45 (51)	1.74 (61)
Exhaust gas flow (max)	cu m /min (cfm)	3.94 (139)	4.76 (168)
with max allowable back pressure	mm (inch) H <sub>2</sub> O	1,040 (40.9)	1,040 (40.9)

Note: Standard reference conditions: 25°C (77°F) air inlet temperature, 152.4m (500ft) above sea level, 60% relative humidity. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load for diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, class A2.



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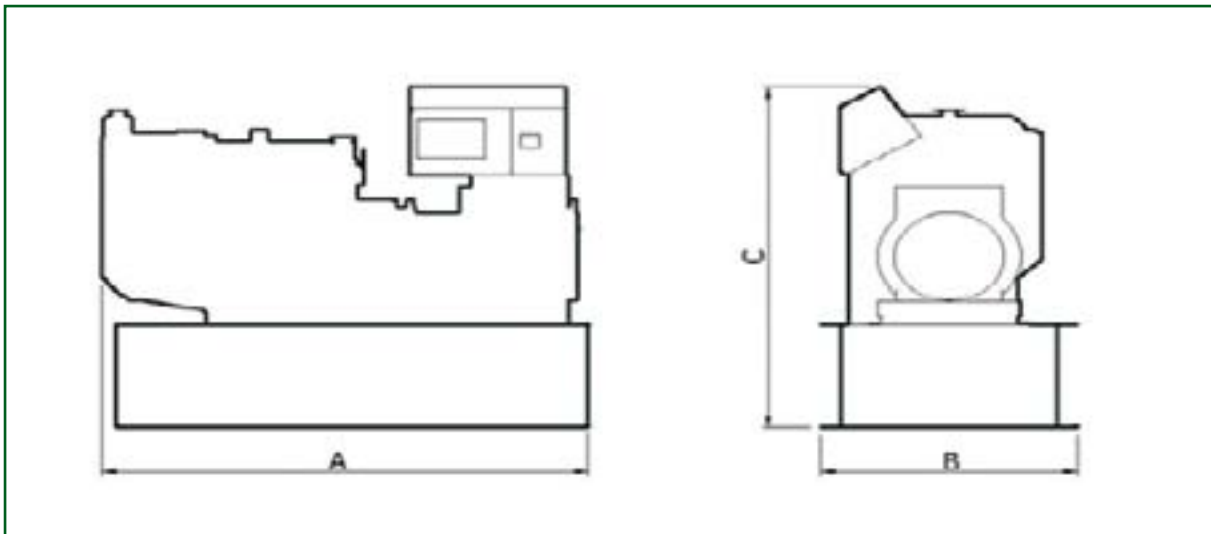
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## Data Sheet EN3-BG22



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Dimensions:		
Length (A)	mm (inch)	1,342.50 (52.9)
Width (B)	mm (inch)	720 (28.3)
Height (C)	mm (inch)	1,233 (48.5)
Max horizontal projection of open door (D)	mm (inch)	NA
Max total height of open door (E)	mm (inch)	NA
Max horizontal projection of doors at each side (F)	mm (inch)	NA



Weights:		
Dry weight (with lube oil)	kg (lb)	554 (1221)
Wet weight (with lube oil and coolant)	kg (lb)	562 (1239)

Sound pressure levels:		50Hz	60Hz
		1500rpm	1800rpm
15m, 75% load	dB(A)	NA	NA
15m, 100% load	dB(A)	NA	NA
7m, 75% load	dB(A)	NA	NA
7m, 100% load	dB(A)	NA	NA
1m, 75% load	dB(A)	NA	NA
1m, 100% load	dB(A)	NA	NA

In line with our policy of continuous development, we reserve the right to change specification without notice

EN3-BG22 - DS-323-0311



**Burtonwood**<sup>TM</sup>  
Generator & Switchgear Services

Tel: +44 (0) 1744 814444  
Fax: +44 (0) 1744 814455  
Email: sales@burtonwoodgroup.com  
Web: www.burtonwoodgroup.com

Unit 2, St Michaels Road  
St Helens  
Merseyside  
WA9 4WZ