

Blue Diamond Diesel Generators Powered by Cummins



Model GEN220CT



DIESEL GENERATING SET 400/230 V - 50 Hz - 3 Phase

MODEL		GEN220CT	
Power Pf.0.8	Standby	kVA	220
		kW	176
	Prime	kVA	200
		kW	160

ENGINE

CUMMINS		
Model		6CTAA8.3G2
Engine Power Output at rated rpm	kWm	203
	HP	272
Aspiration and Cooling		Turbocharged and Charge Air Cooled
Total Displacement	Litre	8.3
No. of Cylinders and Build		6 - Inline
Engine Speed	rpm	1500
Bore and Stroke	mmxmm	114x135
Compression Ratio		18:1
Governor		Electronic
Fuel Consumption at full load	L/hr	45
Fuel Tank Capacity	Litre	1100
Oil Capacity	Litre	23.8
Coolant Capacity	Litre	47.3
Radiator Cooling Air	m ³ /min	325.8
Air Intake - Engine	m ³ /min	11.46
Exhaust Gas Flow	m ³ /min	32.82

ALTERNATOR UCI224H

Design	Brushless single bearing, revolving field
Stator	2/3 pitch
Rotor	Single bearing, flexible disc
Insulation System	Class H
Standard Temperature Rise	125 - 163°C Continuous
Exciter Type	Self Excited
Phase Rotation	A (U), B (V), C (W)
Alternator Cooling	Direct drive centrifugal blower fan
AC Waveform Total Harmonic Distortion	No load < 1.5%. Non distorting balanced linear load < 5%
Telephone Influence Factor (TIF)	<50 per NEMA MG1-22.43
Telephone Harmonic Factor (THF)	<2%



DIMENSIONS

SOUND ATTENUATED TYPE		
DIMENSIONS (L x W x H)	mm	3722x1306x2550
DRY WEIGHT	kg	3330

WARRANTY

Blue Diamond Warranty		2 year
Cummins engine warranty	Prime power	12 months - unlimited hours
	Standby power	2 years - 500 hours