

Blue Diamond Diesel Generators Powered by Cummins



Model GEN145CT



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

MODEL		GEN145CT	
Power Pf.0.8	Standby	kVA	145
		kW	116
	Prime	kVA	132
		kW	105.6

ENGINE

CUMMINS		
Model	6BTAA5.9G2	
Engine Power Output at rated rpm	kWm	130
	HP	174
Aspiration and Cooling	Turbocharged and Charge Air Cooled	
Total Displacement	Litre	5.9
No. of Cylinders and Build	6 - Inline	
Engine Speed	rpm	1500
Bore and Stroke	mmxmm	102x120
Compression Ratio	17.3:1	
Governor	Electronic	
Fuel Consumption at full load	L/hr	30
Fuel Tank Capacity	Litre	800
Oil Capacity	Litre	16.4
Coolant Capacity	Litre	54
Radiator Cooling Air	m ³ /min	148
Air Intake - Engine	m ³ /min	7.2
Exhaust Gas Flow	m ³ /min	19.68

ALTERNATOR UCI274E

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	3440x1156x2278
DRY WEIGHT	kg	2525

WARRANTY

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