CU350D6 Industrial Range Powered By Cummins











Standards: 2006/42/EC Machinery safety, 2006/95/EC Low voltage, EN 60204-1: 2006+A1: 2009, EN ISO 12100: 2010, EN ISO 8528-13: 2016, ENISO 13849-1: 2015, EN 60204-1: 2018

PRP: Prime power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO

ESP: The standby power rating is applicable for suppling emergency power in variable load applications in accordance with ISO 8528-1.overload is not allowed.

Conditions: According to the standard, the nominal power assigned by the genset is given for 25° C air inlet temperature, of a barometric pressure of 100 kPA (100 m A.S.L), and 30 % relative humidity.

GENERATOR SPECIFICATION

ITEMS	PRP	EPS
Power	313kVA	350kVA
Power	250kW	280kW
Frequency / Phase / Power factor	60Hz / 3P / PF0.8	
Standard voltage	220/127V	
Available voltage	240/138V	



Water-cooled



Three Phase







GENERAL INSTALLATION

ITEMS	OPEN	SILENT	
Dimension(L*W*H) (mm)	3080*1173*1920	4008*1304*2306	
Weight(kg)	2870	3439	
Fueltank(L)	600	800	
Sound pressure level @75% load&1m dB(A) @75% load&7m dB(A)		87.7 80.5	





NOTE: Weights and dimensions based on standard products. According to 2000/14/CE, sound data is provided at 7m for 75% prime power. For actual installation, please contact the manufacturer.

PERFORMANCE DATA			
Engine brand		CUMMINS	
Engine model	Engine model		
Fuel		Diesel	
Aspiration		Turbocharged & Charge Air Cooled	
Cooling		Water-cooled	
Governor		Electronic	
Cyl arrangement	rrangement 6L		
Application	Application Prime & Standb		
Fuel consumption	100% ESP(L/H) 100% PRP(L/H) 75% PRP(L/H) 50% PRP(L/H)	77.4 70.2 53.5 37.8	



ENGINE SPECIFICATION

BASIC DATA		
Engine brand	CUMMINS	
Engine model	NTA855-G1	
Displacement	14L	
No. of cyl / arrangement	6L	
Bore x stroke	140x152mm	
Compression ratio	14.5 : 1	
Engine speed	1800rpm	
Engine type	4-stroke diesel	
EVITATIOT OVOTEM		

Compression ratio	14.5 : 1	
Engine speed	1800rpm	
Engine type	4-stroke diesel	
EXHAUST SYSTEM		
Exhaust stack gas temperature (max.)	543 °C	
Exhaust gas flow rate (max.)	1253 L/S	
Exhaust system backpressure (maximum allowable)	10 kPa	
FUEL SYSTEM		
Maximum restriction at lift pump	27.1 kPa	
Max. fuel flow	319 L/H	

COOLING SYSTEM	
Radiator air flow	8.8 m³/s
Total oil capacity	38.6L
Total coolant capacity	60.6L

DC24V
2x120Ah(850CCA)
DC24V/35A

INLET AIR	
Air filter	Dry type
Max. combustion air Intake restriction	6.2 kPa
Combustion air inlet flow rate	463 L/S
Max. allowable combustion air inlet temp	50°C

ALTERNATOR SPECIFICATION

BASIC DATA		BASIC DATA	
Insulation & temperature rise	Class H/H	Туре	Brushless
Excitation type	Self-excited	No. of bearings	Single bearing
Winding leads	12	Coupling system	Flexible disc
Winding connections (standard)	Star	Maximum over speed	2250 RPM
Winding pitch	Two thirds	Coating type	Vacuum impregnation
Number of phase	Three phase	IP rating	IP23



CONTROL SYSTEM

Key features

Single generator set controllercan be used in prime or standby scenarios



Manual and remote start, MRS application



Auto mains failure, AMF application



Genset power/frequency/factor /voltage/current detection



Engine / alternator / generator protections, emergency stop



Event log / running hours history / maintenance warning, LCD screen

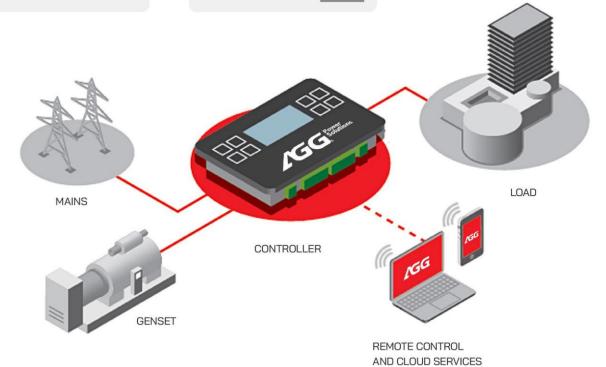


User access management, software and tools are easy to use



Input or output configuration, USB communication port







GENSET VERSION

STANDARD FEATURES

- Diesel engine, 50 degrees radiator, brushless alternator
- · Intelligent controller
- Output circuit breaker (up to1250A)
- Maintenance-free start battery, battery charge, battery switch
- · Steel industrial silencer, exhaust bellows and elbows
- · Steel chasis and anti-vibration shock absorbers
- Lifting and moving structure, expansion of oil and coolant discharge
- · Moving parts protection, hot parts protection
- · Special toolbox, delivery attached documentation

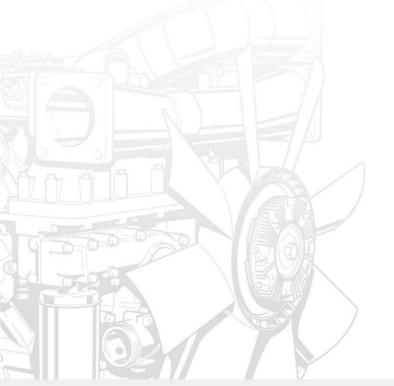












OPTIONAL FEATURES

- Water jacket preheater
- Oil Preheater, oil level maintainer, oil manual pump
- Heavy air filtration
- · Residential silencer
- · Remote radiator, heat exchanger
- PMG/AREP excitation system
- Anti-condensation heater
- ALTERNATOR Winding/bearing RTD
 - Double bearing structure
 - IP44 protection class

CONTROL SYSTEM

ENGINE

- · Synchronizing panel, remote control panel
- RS232/485, 4G & GPS wireless, ethernet communication card
- Additional digital/analog input/output
- Monitoring software, mobile APP
- Ni-Cad batteries

GENERATING SET

- · External fuel tank, automatic fuel feeding
- ATS/output /combining/distribution cabinet
- Load test cabinet
- Mobile trailer
- Customized design

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