C344P6 Powered by Cummins®



PØWERZOD



Emergency Standby Power (ESP):

Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utili ty source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel Stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514. Prime Power (PRP):

Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capabili ty is avai lable in accordance with ISO 3046, AS 2789, DIN

6271 and BS 5514. Continuous Power (COP):

Applicable for supplying power continuously to a constant electrical load for unlimi ted hours. Continuous Power (COP) in accordance wi th ISO 8528, ISO 3046, AS 2789, DIN6271 and BS 5514.

POWERZOO generators are CE certified and conform to the following Directives:

•EN 12100: 2010, EN ISO 8528-13: 2016, EN 60204-1: 2018,

•EN 61000-6-2: 2019, 2006/42/CE Machinery safety

•2014/35/EU Low voltage

FREQUENCY

•2014/30/EU Electromagnetic compatibility

•Power according to ISO 8528 and ISO 3046

•Ambient reference conditions 1000 mbar, $25\,^\circ$ C, 30% relative humidity. Information based on standard specification equipment unless otherwise stated.

DIESEL FUEL

GENERATOR MODEL		C344P6			
	Generator specificationsl		PRP	ESP	
()	Power	kW/kVA	275/344 300/375		
0	Rated speed	r.p.m.	1800		
\heartsuit	Available voltages	V	220~480		
50/60 HZ	Frequency	Hz	60		
3	Phase		3-PH		
	Power factor	$\cos \phi$	0.8		
٦	Fuel cons 100%	L/H	68		
	Starting power	VDC	24V		
ŧ۵	Recommended battery	Ah	120		
	Number of batteries			2	
	Auxiliary voltage	А	35		

SOUNDPROOF

WATER-COOLED))

Dimension and Weight



	DIMENSION		OPEN TYPE	SILENT TYPE
心卫	Length (L)	mm	3000	4220
E, E	Width (W)	mm	1155	1420
Ø Ø	Height (H)	mm	1940	1970
Kg	Dry Weight	kg	2840	4370
K	Fuel tank	L	550	550

SO 9001

STACKABLE

POWERZOO has the right to modify any feature without prior notice. Weights and dimensions based on standard products. Illustrations may include optional equipment. Technical data described in this catalogue correspond to the available information at the moment of printing. The illustrations and images are indicative and may not coincide in their entirety with the product. Industrial design under patent.





Engine Specifications

ENGINE	Cummins®	ENGINE	Cummins®
Engine model	NTA855-G1B	Total lubrication system capacity	38.6 L
Number of cylinders	6	Coolant capacity (with radiator)	60.6 L
Cylinder arrangement	Vertical in-line	Speed stability (%)	≤3%
Cycle	Four stroke	Start type	Electrical
Aspiration	Turbocharged,aftercooled	Maximum exhaust temperature	543 ℃
Bore × Stroke	140 × 152 mm	Exhaust gas flow	1028 L/S
Displacement	14 L	Maximum allowed back pressure	10 kPa
Compression ratio	14.0:1	Intake air flow	463 L/S
Prime power/Speed	313/1800 (kW/rpm)	Engine water flow	TBD
Standby power/Speed	345/1800 (kW/rpm)	Consumption @ 100% load ESP	89.2 L/H
Speed governor	Electronic	Consumption @ 100% load PRP	80.5 L/H
Cooling system (open type)	40°C tropical radiator	Consumption @ 75% load PRP	61.7 L/H
Cooling system (silent type)	$50^\circ C$ tropical radiator	Consumption @ 50% load PRP	44 L/H



Features:

•Diesel engine

- •4-stroke cycle
- •Water-cooled

•Dry air filter

- •Radiator with pusher fan
- •Moving parts protection
- •Radiator water level sensor (Optional) •55 degree radiator (Optional)
- •Jacket coolant heater (Optional)
- •Lube oil heater (Optional)
- •Engine filter heater (Optional)
- •Fuel inlet line heater (Optional)
- •Heavy duty air filter (Optional)

Alternator Specification

ALTERNATOR		ALTERNATOR	
Exciter type	Brushless, self-excited	Voltage regulation NL-FL	≤±1.0%
Power factor	0.8	Insulation grade	н
Voltage adjust range	≥5%	Protection grade	IP23



Options:

- •AREP/PMG/EBS
- •Air inlet filter (5% deration)
- •louver (5% deration)
- •Space heater
- •Digital AVR
- •Severe environmental impregnation
- •Stator sensor
- •PT100

- •Rotor sensor
- •Double bearing
- •Drip proof cover
- •Terminal box IP44



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		Controller Brands
SmartGen	CamAp	Deep Sea
SmartG en	ComAp	DSE
DEIF	Woodward	Datakom
DEIP	₩.woodward	<i>((</i>) DATAKOM

mmin

Controller Functions

OPTIONAL CONFIGURATION	Stand-alone Basic	Stand-alone Advanced	Synchronization Basic	Synchronization Advanced
Voltage between phases	•	•	•	•
Voltage between neutral and phase	•	•	•	•
Current intensities	•	•	•	•
Frequency	•	•	•	•
Apparent power (kVA)	•	•	•	•
Active power (kW)	•	•	•	•
Reactive power (kVAr)	•	•	•	•
Power factor	•	•	•	•
Coolant temperature	•	•	•	•
Oil pressure	•	•	•	•
Battery voltage	•	•	•	•
R.P.M.	•	•	•	•
Battery charge alternator voltage	•	•	•	•
High water temperature by sensor	•	•	•	•
Low oil pressure by sensor	•	•	•	•
Unexpected shutdown	•	•	•	•
Fuel storage by sensor	•	•	•	•
Stop failure/Start failure	•	•	•	•
Overspeed/Underspeed	•	•	•	•

lacksquare Standard $\hfill \bigcirc$ Optional



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Emergency stopIIIIIHigh/Low frequencyIIIIIIHigh/Low voltageIIIIIIShort-ircuitIIIIIIIIncorrect phase sequenceIIIIIIIIIncorrect phase sequenceIII </th <th>OPTIONAL CONFIGURATION</th> <th>Stand-alone Basic</th> <th>Stand-alone Advanced</th> <th>Synchronization Basic</th> <th>Synchronization Advanced</th>	OPTIONAL CONFIGURATION	Stand-alone Basic	Stand-alone Advanced	Synchronization Basic	Synchronization Advanced
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Kilowatt meterIIIIStarts valid countersIIIIMaintenanceIIIIUSBIIIIISoftware for PCIIIIAlarm historyIIIIIExternal startIIIIIStart inhibitionIIIIIMains failure startIIIIIFuel transfer controlIIIIIProgrammable alarmsIIIIIMultilingualIIIIIIModbus IPIIIIIIJ1339IIIIIIIKains synchronizationIIIIIIFuel level (%)IIIIIIIKurder IswardIIIIIIISynchronizationIIIIIIIFuel level [evelIIIIIIISynchronizationIIIIIIIFuel level [evelIIIIIIIImage: SynchronizationIIIIIIIFuel level [evelIIII <td>Overload</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td>	Overload	•	•	•	•
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Software for PCImage: start start startImage: start star	Maintenance	•	•	•	•
Alarm historyImage: start start startImage: start	USB	•	•	•	•
External startImage: start	Software for PC	•	•	•	•
Start inhibitionImage: start inhibiti	Alarm history	•	•	•	•
Mains failure startImage:	External start	•	•	•	•
Pre-heating engine controlImage: state of the	Start inhibition	•	•	•	•
Fuel transfer controlImage: second controlImage: second controlImage: second controlEngine temperature controlImage: second controlImage: second controlImage: second controlProgrammable alarmsImage: second controlImage: second controlImage: second controlGenset start function in test modeImage: second controlImage: second controlImage: second controlProgrammable outputsImage: second controlImage: second controlImage: second controlImage: second controlMultilingualImage: second controlImage: second controlImage: second controlImage: second controlImage: second controlMains synchronizationImage: second controlImage: second controlImage: second controlImage: second controlImage: second controlFuel level (%)Image: second controlImage: second controlImage: second controlImage: second controlImage: second controlGSM/GPRS modemImage: second controlImage: second controlImage: second controlImage: second controlImage: second control	Mains failure start	•	•	•	•
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MultilingualImage: state of the	Genset start function in test mode	•	•	•	•
RS485Image: state of the state o	Programmable outputs	•	•	•	•
Modbus IPImage: Marcine and M	Multilingual	•	•	•	•
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Low water level000GSM/GPRS modem0000	Mains synchronization				•
GSM/GPRS modem 0 0 0	Fuel level (%)	0	0	0	0
	Low water level	0	0	0	0
Remote screen 0 0 0 0	GSM/GPRS modem	0	0	0	0
	Remote screen	0	0	0	0

• Standard O Optional



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