Data sheet
437.5 kVA Standby

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Spec sheet:	SS9-CPGK
Noise data sheet (Open/enclosed):	ND50-OS550 / ND50-CS550
Airflow data sheet:	AF50-550
Derate data sheet (Open/enclosed):	DD50-OS550 / DD50-CS550
Transient data sheet:	TD50-550

Fuel consumption

	Standby				Prime			
	Kw (kVA)				Kw (kVA)			
Ratings	350 (437.5)				320 (400)			
Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full
US gph	6.6	11.1	15.8	21.1	5.9	10.3	14.5	19.1
L/hr	30	50	72	96	27	47	66	87

Engine

	Standby rating	Prime rating
Engine manufacturer	Cummins	
Engine model	NTA855 G3	
Configuration	4 Cycle; In-line; 6 Cylinder Diesel	
Aspiration	Turbo Charged	
Gross engine power output, kWm	399	358
BMEP at set rated load, kPa	1896	1703
Bore, mm	140	
Stroke, mm	152	
Rated speed, rpm	1800	
Piston speed, m/s	9.1	
Compression ratio	14:1	
Lube oil capacity, L	36	
Overspeed limit, rpm	2100 ±50	
Regenerative power, kW	22	
Governor type	Electronic	
Starting voltage	24 Volts DC	

Fuel flow

Maximum fuel flow, L/hr	405	
Maximum fuel inlet restriction, mm Hg	203	
Maximum fuel inlet temperature (°C)	70	

Air

Combustion air, m^3/min	32.6	28.6
Maximum air cleaner restriction, kPa	6.2	

Exhaust

Exhaust	Standby rating	Prime rating
Exhaust gas flow at set rated load, m³/min	90.4	78.9
Exhaust gas temperature, °C	527	521
Maximum exhaust back pressure, kPa	10.2	

Standard set-mounted radiator cooling

Ambient design, °C	50	
Fan load, KW$_m$	19	
Coolant capacity (with radiator), L	45	
Cooling system air flow, m3/min @ 12.7mmH2O	7.2	
Total heat rejection, BTU/min	13375	12000
Maximum cooling air flow static restriction mmH2O	19.1	

Power Generation