



SCANGEN SGE250 (50Hz) / SGE275 (60Hz)			Engine Specification		: DC9 65A (10-93)	
Engine - General Data: 						
Piston displacement	lit	8.87				
Number of cylinder and configuration		5 in-line				
Bore x Stroke	mm	127 x 140				
Fuel Injection System		Diesel				
		Electronic Unit Injectors				
Lube Oil Capacity	grade	CE or CF acc. To API				
	lit	23				
Starting System	V	24V, Electric				
Charging Generator	V, A	28V, 100A				
Fuel		Diesel Fuel				
Engine, cooling system		Water				
Compression ratio		18:1				
Engine - Specifications :						
			Prime	Standby	Prime	Standby
Gross Power		kWm	225	247	253	275
Specific fuel consumption	full load	g/kWh	197	198	202	202
	to cooling water	kW	85	93	98	106
to exhaust gas	152		167	175	194	
to radiation	22		24	26	28	
Air consumption		kg/min	21	22	24	25
- max. pressure loss (dirty filter)		mmWc	500		500	
Exhaust flow		kg/min	21	22	25	26
- max. back pressure		mmWc	500		500	
Coolant pump flow		dm ³ /min	300		360	
Coolant fan	type		pusher		pusher	
	diameter	mm	711		787	
	power	kW	5		9	
	speed ratio	crank : fan	1 : 1		1:0.8	
	free air flow	m ³ /s	4.3		6.5	
Radiator	front area	m ²	1.0		1.0	
Charge air cooling			air - air			
"Air-on" Temperature*		°C	50		50	
- max. pressure reserve		mmWc	18	13	31	25
Alternator / Genset - Specifications :						
Insulation	Class		H / F			
Excitation			brushless, rotating exciter (with AVR)			
Number of poles			4			
Power factor			0.8 (lagging)			
Voltage regulation	%		within 1.5			
Phase and wire			3-phase, 4 wire			

RATING DEFINITIONS

PRIME POWER: These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this mode can supply 10% overload power for 1 hour in 12 hours. Maximum 75% load factor.

STANDBY POWER: These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. Maximum 85% load factor is peak continuous rated (as defined in ISO-8528-3) at 27 deg C

NOTE*: "Air-on" refers to the real average temperature of cooling air that reaches the cooling system

** Due to continuous product improvements, specifications are subjected to change