SCANGEN SGE275 (50Hz) / SGE300 (60Hz)			Engine Specification : DC9 65A (10-94)			
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	grade	CE or CF acc. To API				
Capacity	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 :			50Hz, 1500 rpm		60Hz, 1800 rpm	
			Prime	Standby	Prime	Standby
Gross Power		kWm	247	269	272	294
Specific fuel consumption	full load	g/kWh	197	198	201	202
Heat rejection	to cooling water	kW	93	101	105	113
	to exhaust gas		168	182	191	210
	to radiation		24	27	28	30
Air consumption		kg/min	21	22	24	25
- max. pressure loss (dirty filter)		mmWc	500		500	
Exhaust flow		kg/min	22	23	25	26
- max. back pressure		mmWc	500		500	
Coolant pump flow		dm^3/min	300		360	
Coolant fan	type		pusher		pusher	
	diameter	mm	787		787	
	power	kW	9		9	11
	speed ratio	crank : fan	1 : 1		1:0.8	1:1
	free air flow	m^3/s	6.7		6.5	7.5
Radiator	front area	m^2	1.0		1.0	
Charge air cooling			air - air			
"Air-on" Temperature*		°C	50		50	
- max. pressure reserve		mmWc	33	29	25	30

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 rating are applicable for supplying continuous electrical power (at variable load) in lieu of commerically 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 rating 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 peal 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 syste

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