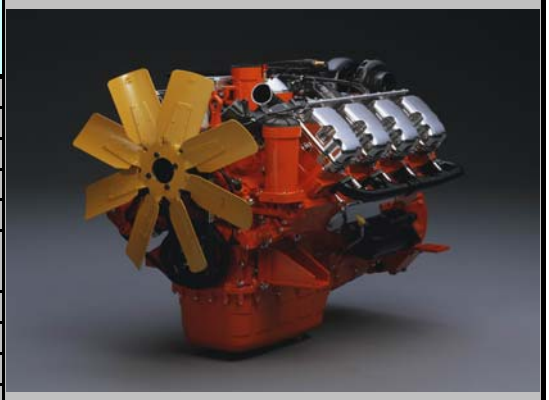
SCANGEN SGE550 (50Hz) / SGE550 (60Hz)			Engine Specification : DC16 44A (10-27)
Engine - General Data			
Pistion displacement	lit	15.6	
Number of cylinder and configuration		8 V	
Bore x Stroke	mm	127 x 154	
Injection System		Diesel	
		Electronic unit injection	
Lub Oil	grade	At least: ACEA E3, E4 or E5	
Capacity	lit	35	
Starting System	V	24V, Electric	
Charging Generator	V, A	28V , 100A	
Fuel		Diesel fuel	
Engine cooling system		Water	
Compression ratio		16:1	

Engine - Specifications :			50Hz, 1500 rpm		60Hz, 1800 rpm	
			Prime	Standby	Prime	Standby
Gross power		kWm	481	523	481	523
Specific fuel consumption	full load	g/kWh	195	196	196	196
Heat rejection	to cooling water	kW	179	196	181	197
	to exhaust gas		350	382	346	376
	to radiation		39	43	37	40
Air consumption		kg/min	37	40	44	46
- max. pressure loss		mmWc	500		500	
Exhaust flow		kg/min	39	42	46	48
- max. back pressure		mmWc	500		500	
Coolant pump flow		lit/min	368		443	
Coolant fan	type		pusher		pusher	
	diameter	mm	965		965	
	power	kW	13		12	
	speed ratio	crank : fan	1 : 1		1 : 0.8	
	free air flow	m3/s	9.8		8.5	
Radiator	front area	m2	1.24		1.24	
Charge Air Cooling			air - air			
"Air-on" Temperature		°C	50		50	
- max. pressure reserve		mmWc	30		25	

Alternator / Genset - Specifications :		
Insulation	Class	H / F
Excitation		brushless, rotating exciter (with AVR)
Number of poles		4
Power factor		0.8 (lagging)
Volatge regualtion	%	Within 1.5
Phase and wire		3-phase, 4-wires

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 syster

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