
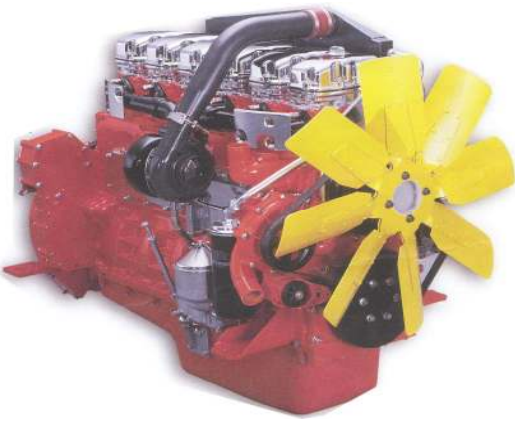


SCANGEN SGE400 (50Hz) / SGE435 (60Hz)			Engine Specification : DC 12 60A (10-19A)			
Engine - General Data 						
Piston displacement	lit	11.7				
Number of cylinder and configuration		6 in-line				
Bore x Stroke	mm	127 x 154				
Injection System		Electronic unit injection				
Lub Oil	grade	CE/CF,CCMC D5,ACEA E3-96				
Capacity	lit	28				
Starting System	V	24V, Electric				
Charging Generator	V, A	28V , 65A				
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	356	399	384	406
Specific fuel consumption	full load	g/kWh	192	194	183	194
Heat rejection	to cooling water	kW	136	154	147	156
	to exhaust gas		232	263	245	261
	to radiation		31	35	32	34
Air consumption		kg/min	27	30	32	33
- max. pressure loss		mmWc	500		500	
Exhaust flow		kg/min	28	31	33	34
- max. back pressure		mmWc	500		500	
Coolant pump flow		dm ³ /min	300		360	
Coolant fan	type		pusher		pusher	
	diameter	mm	912		912	
	power	kW	11		11	
	speed ratio	crank : fan	1 : 1		1 : 1.08	
	free air flow	m ³ /s	8.0		7.8	
Radiator	front area	m ²	1.2		1.2	
Charge Air Cooling			air - air			
"Air-on" Temperature		°C	50		50	
- max. pressure reserve		mmWc	26	30	23	30
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 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 rating are applicable for supplying continuous electrical power (at variable load) in the event of 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, specification are subjected to change