

Perkins Generator

Prime: 510KW/638KVA
Standby: 560KW/700KVA

Technical Data

Model		700kva
Prime power	kva	638
	kw	510
Standby power	kva	700
	kw	560
Rated voltage line to line	V	400
Rated current	A	920A
Maximun sound level	dB@7m	75

Engine-Perkins

Model		2806D-E18TAG1A
Aspiration		In line, Turbo charged,air to air chargecooled
Fuel system		Direct injection
No. cylinders		6
Displacement	L	18,13
Bore*Stroke	mm	145x183
Compression ratio		18:1
Rated speed	r/min	1500
Governor		ECM
Engine size	mm	2405x1455x1805
Engine wet weight	kg	2079
Fire order		1-5-3-6-2-4
Start Motor	V	24
Rotation		Anti-clockwise, viewed on the flyweel

Air inlet

Air inlet restriction	kpa	3,7
Max air restriction	kpa	6,2

Fuel system

type of injection system		MEUI
fuel injector pressure		200MPa

Fuel System

110% load(Standby power)	L/h	142,4
100% load(Prime power)	L/h	129,6
75% load(Prime power)	L/h	101,8
50% load(Prime power)	L/h	69,6
Fuel capacity for silent genset	L	1050

Fuel capacity for open genset L without

Lubrication System

Oil capacity	L	71
Min oil capacity in sump	L	56
Max oil capacity in sump	L	61
Oil flow	L/min	174
Oil temp (continuous operation)	°C	113

Cooling System

Total coolant capacity	L	55,6
Max top tank temp	°C	107
Fan diameter	mm	955
Drive ratio		0.8:1
Number of blades		9

Standard Features

Engine(Perkins ENGINE)	●
Radiator 50°C max,fans are driven by belt	●
24V charge alternator	●
Alternator: single bearing alternator IP23	●
insulation class H/H	●
Standard auto control system	●
Main line circuit breaker / ACB	●
Base fuel tank	●
24V batteries, rac and cable	●
Exhaust system(Ripple flex exhaust pipe)	●
Exhaust siphon, flange, muffler	●
User manual	●
Battery charge	●
Water heater	●

Options

Alternator heater	<input type="radio"/>
One set of air filter, fuel filter, oil filter	<input type="radio"/>
PMG	<input type="radio"/>
Water oil separator	<input type="radio"/>
Daily fuel tank	<input type="radio"/>
Remote control panel	<input type="radio"/>
Automatic transfer switch/ATS	<input type="radio"/>
Switch box	<input type="radio"/>
Standard: ●	Options:○

Alternator

Model	TAL-A47-F
Alternator Brand	Leroy Somer

Phase		3
Voltage	V	400
Wiring Type		6 wires
Bearing		1
Power factor		0,8
Frequency	Hz	50
Prime power	KVA	660
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5
Protection Grade		IP 23
Insulation grade		H

Controller-Deepsea

Model DSE 7320

- 7 configurable digital inputs
- Built-in governor and AVR control
- Base load (kW export) functionality
- Mains (utility) de-coupling protection
- Generator power (kW, kVA) monitoring
- Overload (kW & kV Ar) protection
- Emergency stop
- Start failure



Unit Dimensions(Basic unit)

Open Type		
L*W*H	mm	3850x1800x2050
Weight	kg	4950
Silent Type		
L*W*H	mm	4500x2000x2500
Weight	kg	5815

Warranty

Perkins Engine

12 months from date of purchase or 1000 hours.

Generator

12 months from date of purchase or 1000 hours

(whichever comes first).