

**POWER YOUR FUTURE**

**Perkins Generator  
FD30P**

**1103A-33G**

**Prime Power: 24KW/30KVA  
Standby Power: 26.4KW/33KVA**



## **GENERATING POWER SOLUTIONS**

Increased availability for new operations  
Reliable, robust and versatile generator.  
Ready to deliver power for a next job.

Increased uptime during operations  
Once installed on the end-user-site, the generator will be ready to run: "peace of mind" operation.

Reduced transport and installation costs  
The compact and robust design with integrated transport features enables faster and safer transport and installation.

Reduced service & maintenance costs  
Longer service intervals.  
Quicker and more efficient service jobs.

Premium resale value  
Designed and built to last.

### **SAFETY**

- Operate safely in accordance with proper operation manual.
- To prevent trouble and accidents, perform daily and preventive maintenance checks without fail.

## **Perkins Series**

30 KVA



### **PT. CIPTA DUA POWER FRANS DIESEL**

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Web : [www.fransdieselpower.com](http://www.fransdieselpower.com)

## Technical Data

FD30P

Model		FD30P
Rated prime power	kva	30
Rated standard power	kva	33
Rated voltage line to line	V	400/230
Rated current	A	40
Maximum sound level	dB(@7m)	69

### Engine-DCEC Perkins

Model		1103A-33G
Aspiration		Air natural aspirated
Fuel system		A type
No. cylinders		3 in line
Displacement	Liquid	3.3
Bore*Stroke	mm	105*127
Compression ratio		1.131
Rated speed	r/min	1500
Rated net power(with fan)	Kw	24
Governor type		Mechanical/Electrical
Start Motor	V	24

### Exhaust System

Exhaust gas flow	m <sup>3</sup> /min	
Exhaust gas temp	°C	
Max back pressure	kPa	10

### Aspiration System

Max inlet pressure	kPa	5
Combustion volume	m <sup>3</sup> /min	1.98
Air flow	m <sup>3</sup> /min	136

### Fuel System

100% load(Prime power)	L/h	7.1
75% load(Prime power)	L/h	5.4
50% load(Prime power)	L/h	3.55
Fuel tank capacity	L	125

### Lubrication System

Oil capacity	L	7.9
Oil consumption	g/kwh	7.1
Oil pressure	kPa	345
(continuous operation)		

### Cooling System

Coolant capacity	L	21
Thermostat operation range	°C	82-95
Max water temperature	°C	104

### Alternator

Model	FDIESEL	FD30P
		P1144G
Phase		3
Voltage	V	400/230
Wiring Type		3 Phase 4 wire, Y type
Bearing		1
Power factor		0.8
Frequency	Hz	50
Prime power	KVA	30
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5
Protection Grade		IP 23
Insulation grade		H/H
Altitude	m	1000

### Controller-DEEPSA

Model	DSE6120
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Protective functions:

- Low oil pressure
- High water temperature
- High/low voltage
- High Engine Temperature and Overspeed.
- Voltage regulator frequency regulator
- Emergency stop
- Start failure



### Control Module Options



- Auto generator control module
- Control module with " Three Remote Control" functions
- ATS auto load transfer screen
- Synchronising control modules
- Power output cabinet

