

**POWER YOUR FUTURE**

**Perkins Generator  
FD80P**

**1104A-44 TG2**

**Prime Power: 64KW/80KVA  
Standby Power: 70.4KW/88KVA**



## **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**

**80KVA**



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

Head Office : Jl. MT. Haryono No.19 Balikpapan  
No telp : (0542) 878021  
Branch Office: Jl. Wijaya Kusuma XII 15 A Samarinda  
No telp : (0542) 2089884  
Ware House : Komp. Pergudangan Kariangau Balikpapan  
Web : [www.fransdieselpower.com](http://www.fransdieselpower.com)

## Technical Data

Model		FD80P
Rated prime power	kva	80
Rated standard power	kva	88
Rated voltage line to line	V	400/230
Rated current	A	40
Maximun sound level	dB(@7m)	69

### Engine-DCEC Perkins

Model	1104A-44 TG2	
Aspiration	Air natural aspirated	
Fuel system	A type	
No. cylinders	4 in line	
Displacement	Liquid	4.4
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	m³/min	
Exhaust gas temp	°C	
Max back pressure	kPa	10

### Aspiration System

Max inlet pressure	kPa	5
Combustion volume	m³/min	1.98
Air flow	m³/min	136

### Fuel System

100% load(Prime power)	L/h	18.7
75% load(Prime power)	L/h	14
50% load(Prime power)	L/h	9.35
Fuel tank capacity	L	125

### Lubrication System

Oil capacity	L	8
Oil consumption	g/kwh	235
Oil pressure	kPa	345
(continuous operation)		

### Cooling System

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

FD80P

### Alternator

Model		FDIESEL	FD80P
			UCI224G
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	80	
Exciter Type	Brushless, self-excitation		
Voltage regulation	%	±0.5	
Protection Grade	IP 23		
Insulation grade	H/H		
Altitude	m	1000	

### Controller-DEESEA

Model	DSE6120
-------	---------

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

