

# PowerSUM

## PD85KSE

Standby 85KVA Diesel Generators  
50 HZ & Three phases



# PowerSUM

## Model

Prime Power (KVA)	78
Standby Power (KVA)	85
Power Factor	0.8
Frequency (HZ)	50
Rate Voltage (V)	230 / 400
Rate Current (A)	111.9
Controller	HM500
Control Voltage (DC/V)	24
Battery Capacity (Ah)	60x2
Coolant Capacity (L)	33.08
Fuel Tank Capacity (Base frame) (L)	180
Fuel Consumption (L/H)	17.7
Running Time (Hour)	10.1
Sound @7 meter (dBA)	70
Open Type Product Size (MM)	1995×950×1325
Open Type Weight (KG)	1145
Canopy Type Product Size (MM)	2500×950×1500
Canopy Type Weight (KG)	1450

## Measurement, displayment HM500

Genset prime power Kw	●
Power factor	●
Engine speed	●
Phase to neutral voltage	●
Phase to phase voltage	●
Genset frequency	●
Genset current	●
Mains Phase to neutral voltage	\
Mains Phase to phase voltage	\
Mains frequency	\
Engine oil pressure	●
Engine water temperature	●
Fuel level	●
Battery voltage	●
Genset power KVA	●
Genset running time	●
Genset output KWh	\
History file	\

● Standard \ None

## Engine Model

## D4A100Z-D20

Prime Power (KW)	70
Structure	4 Cylinder,Inline
Fuel Type	Diesel
Fuel Consumption (L/H)	17.7
Lubricant Consumption (L/H)	0.08
Governor	Electric
Cooling	Water
Lubricant Capacity (L)	13
Air Intake Flow (m <sup>3</sup> /min)	3.4
Exhaust Gas Flow (m <sup>3</sup> /min)	6.4
Exhaust Gas Temperature (°C)	480
Exhaust Gas Back Pressure (Kpa)	10
Compression Ratio	17.5
Aspiration	Turbocharging
Bore (MM)	108
Stroke	132
Displacement (L)	4.84
SAE	3 / 11.5
Dimension (MM)	1330×770×1080
Net Weight (KG)	550

## Alternator Model

## 224G

Prime Power (KW)	85
Structure	1 Bearing
Excitation Mode	Self-excitation
Insulation Class	H
Protection Class	IP23
TIF	<50
THF	<2%
Air Flow (m <sup>3</sup> /S)	0.216
AVR Model	SX460