

# **ITC Power**



**DEUTZ  
ENGINE**

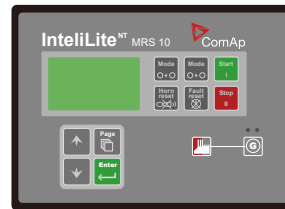
# **DD85KSE**

## **Diesel Generator**

50Hz Standby 85KVA 3 phase



Prime Power (kVA)	77.5
Prime Power (kW)	62
Standby Power (KVA)	85.3
Standby Power (KW)	68.2
Power Factor	0.8
Frequency (Hz)	50
Rate Voltage (V)	400/230
Rate Current (A)	111.9
Controller	MRS10
Control Voltage (DC/V)	24
Battery Capacity (Ah)	60 × 2
Coolant Capacity (L)	15.9
Fuel Tank Capacity(Base frame) (L)	230
Fuel Consumption (L/Hour)	18.1
Running Time (Hour)	12.7
Sound @7 meter (dBA)	68
Open Type Product size (mm)	2195 × 1050 × 1265
Open Type Weight net (kg)	1180
Canopy type product size (mm)	2700 × 1050 × 1520
Canopy Type Weight net (kg)	1480
Engine Model	BF4M2012C G1
Prime power (kW)	71
Structure	4 cylinders, inline
Fuel type	Diesel
Fuel consumption (L/Hour)	18.1
Lubricant consumption (L/Hour)	0.027
Governor	Mechanical
Cooling	Water
Lubricant capacity (L)	8.5
Air intake flow (m <sup>3</sup> /min)	4.5
Exhaust gas flow (m <sup>3</sup> /min)	13.8
Exhaust gas temperature (°C)	600
Exhaust gas back pressure (Kpa)	3
Compression ratio	19
Aspiration	Turbocharging
Bore (mm)	101
Stroke (mm)	126
Displacement (L)	4.04
SAE	3/11.5
Dimension (mm)	1380 × 733 × 971
Net weight (Kg)	473
Alternator Model (STAMFORD)	UCI224G
Prime power (kVA)	85
Alternator Model (ITC Power)	224G
Prime power (kVA)	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



Support engine and alternator monitoring, measurement and protection. This is long-running and back-up unit to integrate the best way to control. support Modbus standard, modem, RS232, RS485, USB and internet.

Measurement, displayment	MRS10
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	×
Alarm, shutdown function	
Low oil pressure warning, shutdown	●
High water temperature warning, shutdown	●
Engine over and under speed shutdown	●
Low fuel level warning, shutdown	●
Battery low and high voltage warning	●
Battery charging failure	●
Genset low and high voltage warning, shut down	●
Alternator 3 phase voltage unbalance shut down	●
Alternator low and high frequency warning, shut down	●
Genset over load shutdown	●
Alternator 3 phase current unbalance shutdown	●
Mains low and high voltage warning	×
Mains low and high frequency warning	×
Optional	
Remote start and stop	●
RS232 card	○
USB card	○
RS485 card	○
Multi language display	○
GPRS communication	○
GPS communication	×