

# **ITC Power**



**DEUTZ  
ENGINE**

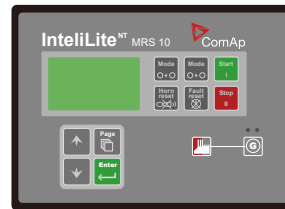
# **DD50KSE**

## **Diesel Generator**

50Hz Standby 50.9KVA 3 phase



Prime Power (kVA)	46.3
Prime Power (kW)	37
Standby Power (KVA)	50.9
Standby Power (KW)	40.7
Power Factor	0.8
Frequency (Hz)	50
Rate Voltage (V)	400/230
Rate Current (A)	66.8
Controller	MRS10
Control Voltage (DC/V)	12
Battery Capacity (Ah)	60
Coolant Capacity (L)	14.8
Fuel Tank Capacity(Base frame) (L)	93
Fuel Consumption (L/Hour)	11.2
Running Time (Hour)	8.3
Sound @7 meter (dBA)	68
Open Type Product size (mm)	1810 × 950 × 1050
Open Type Weight net (kg)	745
Canopy type product size (mm)	2200 × 950 × 1320
Canopy Type Weight net (kg)	1020
Engine Model	BFM3C
Prime power (kW)	45
Structure	4 cylinder, inline
Fuel type	Diesel
Fuel consumption (L/Hour)	11.2
Lubricant consumption (L/Hour)	0.034
Governor	Electrical
Cooling	Water
Lubricant capacity (L)	7.5
Air intake flow (m <sup>3</sup> /min)	2.83
Exhaust gas flow (m <sup>3</sup> /min)	5.5
Exhaust gas temperature (°C)	560
Exhaust gas back pressure (Kpa)	10
Compression ratio	18.5
Aspiration	Turbocharging intercooled
Bore (mm)	98
Stroke (mm)	105
Displacement (L)	3.168
SAE	3/11.5
Dimension (mm)	1180 × 645 × 862
Net weight (Kg)	265
Alternator Model (STAMFORD)	UCI224D
Prime power (kVA)	50
Alternator Model (ITC Power)	224D
Prime power (kVA)	50
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	×