

شماره درخواست: تاریخ: ۴۰۴/۰۳/۱۳ پیوست:		پروژه کردستان درخواست خرید کالا		 مدیریت پروژه های ساختمانی ایران		
				ه:تاسیسات		
				ردیف	شرح کالا	مشخصات کالا

Technical Data

Generator Set Specification	
Model	-
Duty	Prime
Power Rating kVA / kW _e	650/520
No. of Phases	3
Output Voltage and Frequency (V and Hz)	415 V, 50 Hz
Power Factor	0.8 (lagging)
Current (A)	904
RPM	1500
Engine Specification	
Make	Cummins® / VOLVO/ PERKINS
Model	-
MoEF Certified Power (bhp)	828
Required Power for Rated kVA (bhp)	764
Cooling	Liquid Cooled (EG Complete 50:50)
Aspiration	Turbocharged, Charged Air Cooled
No. of cylinders	6, In-line
Bore (mm) x Stroke (mm)	159 x 159
Compression ratio	15.8:1
Displacement (litre)	19
Fuel	High Speed Diesel
Fuel consumption @75% load with radiator and fan* (litre/hr)	102.68
Fuel consumption @100% load with radiator and fan* (litre/hr)	132.38
Performance class of generator set	ISO 8528-5 G2
Starting system	24 V DC Electrical
Lube oil specification	CH4 15W40
Lube oil sump capacity, High-Low level (litre)	72-64
Total lubrication system capacity (litre)	84.4
Total coolant capacity (litre)	97
Exhaust pipe size (inch)	10
Total wet weight (Engine+Radiator)## (kg)	2500
Length x Width x Height (Engine) (mm)	1664 x 993 x 1723
Mean piston speed (m/s)	7.95
Combustion air intake @100% load (±5%) (cfm)	1550
Exhaust Temperature (°C)	497
Alternator Specification	
Make	Stamford (CGT)
Alternator frame	HCI544F
Enclosure	IP23
Voltage regulation (Max.)	±1%
Class of Insulation	H Class
Winding Pitch	2/3
Stator Winding	Double layer lap
Rotor	Dynamically Balanced
Waveform distortion/ Total Harmonic Distortion	No load < 1.5 %, Non distorting balanced linear load < 5 %
Maximum Unbalanced Load across phases#	less than or equal to 25%
Telephonic Harmonic factor	< 2%