

# TECHNICAL SPECIFICATION

## CUMMINS POWERED GENERATOR SETS: M-C350


### Quality Standards


Our diesel generating sets meets the following standards:  
GB/T2820, GB1105, YD/T502, ISO3046, ISO8525, ISO8525-3-5-6.

### Factory Test

Each our generating sets must be got through 1 hour load test for running 0%, 25%, 50%,75%, 100% and 110% load before dispatch, All protective devices, control functions are simulated and it's system checked, proved and then passed for dispatch. A test certificate can be provided upon request.

## MAIN SPECIFICATIONS OF GENERATOR SETS

<i>Diesel Generator Set</i>		
<b>GENSET MODEL NOS.</b>	<b>M-C350</b>	
Rated speed / frequency	1500 rpm / 50 Hz	
Continuous output (KW/KVA)	250/313	
Standby output (KW/KVA)	280/350	
Voltage, Phase and wire	400V/230V, 3 Phase and 4 Wires	
Rated power factor	0.8 (lagging)	
Maximum output current(A)	450	
Genset type	Open type	Silent type
Dimension(L*W*H) (mm)	3050*1100*1850	3980*1420*2050
Weight(kg)	3250	3600
<b>Rating Definitions</b> (Operation at Altitude $\leq$ 1000m, Ambient temperature $\leq$ 40°C)		
<b>Continuous Power</b>		
These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.		
<b>Standby Power</b>		
These ratings are applicable for supplying continuous electrical power( at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO8528-3) at 27°C.		
<i>Diesel Engine</i>		
<b>DIESEL ENGINE MODEL</b>	 <b>NTA855G1B (Cummins)</b>	
<b>Engine Characters</b>	Water-cooled, 6 cylinders in line, 4-cycle, direct injection	
The maximum output (kW)	321	
Aspiration	Turbocharged	
Compression Ratio	14:1	
Bore(mm)× Stroke (mm)	140X152	
Fuel consumption	65L/H( in full load)	
Cubic Capacity (Liters)	14	

Exhaust air flow(m3/min)	490	
Compress air flow(m3/min)	25.1	
Exhaust gas flow(m3/min)	67.1	
Exhaust highest temperature	499°C	
Lub-oil pan capacity(L)	36.7	
Cooling water capacity(L)	63	
Voltage for start(V)	24	
Instrument for adjusting speed	Electronically	
Noise level(A)	≤100dBA(open)	≤75dBA(Silent)
<b>ALTERNATOR</b>		
ALTERNATOR MODEL	 <b>LSA46.2VL12 (LEROY SOMER)</b>	
Excitation	Brushless	
Insulation class	H	
Protection class	IP23	
Efficiency	93.7%	
Voltage Regulation	±1% with 4% engine governing	
Waveform Distortion	No load<1.5% and non-distorting balanced linear load<5%	
THF/TIF	<2%/50%	



**Intercon Modular, LLC**  
 +1-801-705-4567 (f) +1-801-221-2587  
 richard.hill@inter-con.us      www.inter-con.us