

Power Generation Application

50HZ Territories : China Non-road Stage III Emission Level				Rated Speed : 1500 rev/min			
Raywin Engine Power			Assumed Alternator Efficiency	Gensets Power			
Model	Prime (kWm)	Standby (kWm)		Prime		Standby	
3C11G3	9.1	10	0.8	kW	kVA	kW	kVA
4D24G6	18.5	20.4	0.87	7.3	9.1	8	10
4D24G7	23	25.3		16.1	20	17.7	22
4D24TG2	28	30.8		20.0	25	22.0	27.5
4D24TG1	32	35.2		24.4	30.5	26.8	33.5
4D24TG0	36	39.6		27.8	34.8	30.6	38.3
				31.3	39.2	34.5	43.1
Rated Speed : 3000 rev/min							
Raywin Engine Power			Assumed Alternator Efficiency	Gensets Power			
Model	Prime (kWm)	Standby (kWm)		Prime		Standby	
3C11G0	16.3	18	0.8	kW	kVA	kW	kVA
4D24G0	33.5	36.8	0.87	13	16.3	14.4	18
				29.1	36.4	32	40
60HZ Territories : China Non-road Stage III Emission Level				Rated Speed : 1800 rev/min			
Raywin Engine Power			Assumed Alternator Efficiency	Gensets Power			
Model	Prime (kWm)	Standby (kWm)		Prime		Standby	
3C11G2	11.1	11.1	0.8	kW	kVA	kW	kVA
4D24G3	22	24.2	0.87	9.7	12.5	10.6	13.7
4D24G1	27	29.7		19.1	24	21	26
4D24TG7	32	35.2		23.5	29.4	25.8	32.2
4D24TG3	36	39.6		27.8	34.8	30.6	38.3
				31.3	39.2	34.5	43.1
Rated Speed : 3600 rev/min							
Raywin Engine Power			Assumed Alternator Efficiency	Gensets Power			
Model	Prime (kWm)	Standby (kWm)		Prime		Standby	
3C11G1	16.8	18.5	0.8	kW	kVA	kW	kVA
				13.4	16.8	14.8	18.5

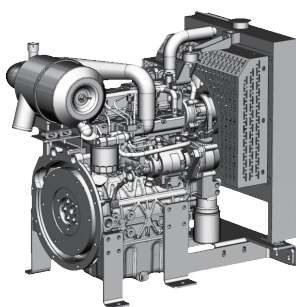
50HZ Territories : EU Stage IIIA Emission Level				Rated Speed : 1500 rev/min			
Raywin Engine Power			Assumed Alternator Efficiency	Gensets Power			
Model	Prime (kWm)	Standby (kWm)		Prime		Standby	
3C11G3/A	9.1	10	0.8	kW	kVA	kW	kVA
4D24G4/A	18.5	20.4	0.87	7.3	9.1	8	10
4D24G2/A	23	25.3		16.1	20	17.7	22
4D24TG2/A	28	30.8		20.0	25	22.0	27.5
4D24TG1/A	32	35.2		24.4	30.5	26.8	33.5
4D24TG0/A	36	39.6		27.8	34.8	30.6	38.3
				31.3	39.2	34.5	43.1
Rated Speed : 3000 rev/min							
Raywin Engine Power			Assumed Alternator Efficiency	Gensets Power			
Model	Prime (kWm)	Standby (kWm)		Prime		Standby	
3C11G0	16.3	18	0.8	kW	kVA	kW	kVA
4D24G0/A	33.5	36.8	0.87	13	16.3	14.4	18
				29.1	36.4	32	40
60HZ Territories : EU Stage IIIA Emission Level				Rated Speed : 1800 rev/min			
Raywin Engine Power			Assumed Alternator Efficiency	Gensets Power			
Model	Prime (kWm)	Standby (kWm)		Prime		Standby	
3C11G2/A	11.1	12.2	0.8	kW	kVA	kW	kVA
4D24G3/A	22	24.2	0.87	9.7	12.5	10.6	13.7
4D24G1/A	27	29.7		19.1	24	21	26
4D24TG7/A	32	35.2		23.5	29.4	25.8	32.2
4D24TG3/A	36	39.6		27.8	34.8	30.6	38.3
				31.3	39.2	34.5	43.1
Rated Speed : 3600 rev/min							
Raywin Engine Power			Assumed Alternator Efficiency	Gensets Power			
Model	Prime (kWm)	Standby (kWm)		Prime		Standby	
3C11G1/A	16.8	18.5	0.8	kW	kVA	kW	kVA
				13.4	16.8	14.8	18.5

60HZ Territories : Without Emission Requirement				Rated Speed : 1800 rev/min			
Raywin Engine Power			Assumed Alternator Efficiency	Gensets Power			
Model	Prime (kWm)	Standby (kWm)		Prime		Standby	
4D24TG4/N	40	44	0.87	kW	kVA	kW	kVA
				34.8	43.5	38.3	47.9

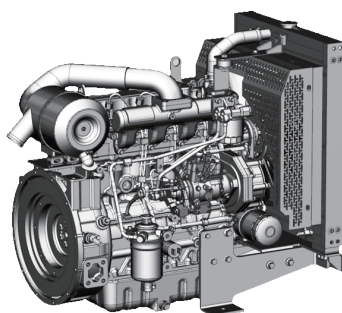
Rating Standard: ISO8528-1, GB/T2820-1 Power Factor (Cos φ): 0.8

The information in this brochure may be changed or upgraded without prior notice. Please contact raywin directly for the latest information.

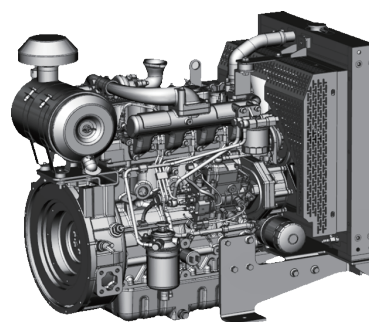
Power Generation Application



3C11G Series



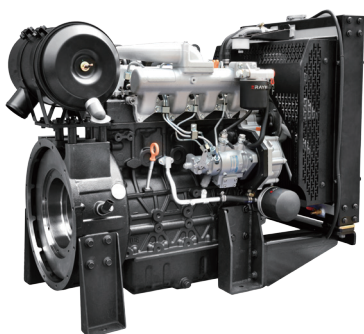
4D24G Series



4D24TG Series

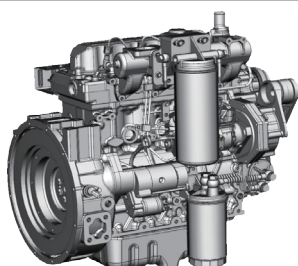
General Engine Data

Model	3C11G	4D24G	4D24TG
Type	Vertical In-line, Water Cooled, Four Stroke		
Combustion System	IDI	DI	DI
Cylinder NO.	3	4	4
Bore x Stroke	76mm × 78.4mm	87mm × 103mm	87mm × 103mm
Displacement	1.07L	2.45L	2.45L
Compression Ratio	24:1	19:1	17.8:1
Induction System	Naturally Aspirated	Naturally Aspirated	Turbocharged
Firing order	1- 2- 3	1- 3- 4- 2	1 - 3- 4- 2
Flywheel	6.5 inch	7.5 inch	7.5 inch
Flywheel Housing	SAE 5	SAE 4	SAE 4



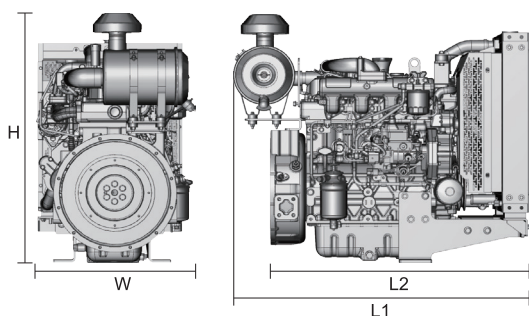
General Options

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|---|---|-------------------------------------|---|
| ☐ Fuel Filter | ☐ Pre-filter | ☐ Oil Filter | ☐ Water Jacket Heater |
| ☐ Fan | ☐ Radiator | ☐ Flywheel | ☐ Flywheel Housing |
| ☐ Silencer | ☐ Oil Heater | ☐ Air Filter | ☐ Water Temp. Sensor |
| ☐ Speed Sensor | ☐ CAN bus | ☐ Oil Sensor | ☐ Electronic Lift Pump |
| ☐ Intake Heater | ☐ Electronic Governor | | ☐ The Copper Radiator |
| ☐ Starting Motor (12V/24V) | ☐ Alternator (12V/24V) | | |



Engine Long Service Interval Option

- Service Interval Option : 1000hr、1500hr、2000hr
- Unilateral Service: Fuel filter, oil filter and starting motor located in the same side
- Typical Application Sectors: Unattended Gensets, Reefer



Installation Information: Engine Dimension & Weight

Model	Weight (kg)	Dimension (mm)			
		L1	L2	W	H
3C11G	155	778	622	450	706
4D24G	240	982	851	534	775
4D24TG	265	996	852	524	804