



Inheriting from the world's leading technology

Performance Parameter

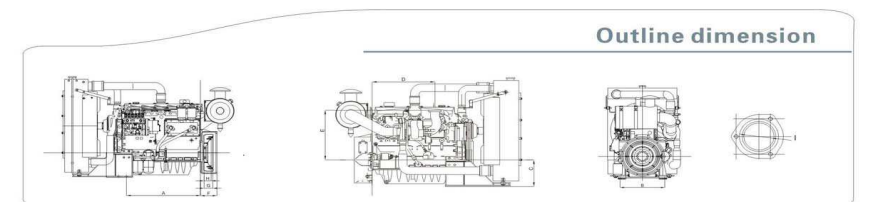
Model	1003G	1003TG	1004G	1004TG	1006TG1A	1006TG2A	1006TAG
Cylinder number	3	3	4	4	6	6	6
Cylinder arrangement	In line	In line	In line	In line	In line	In line	In line
Induction system	Naturally aspirated	Turbocharged	Naturally aspirated	Turbocharged	Turbocharged	Turbocharged	Turbocharged and air intercooled
Bore × stroke(mm)	100 × 127	100 × 127	100 × 127	100 × 127	100 × 127	100 × 127	100 × 127
Displacement(L)	2.99	2.99	3.99	3.99	5.99	5.99	5.99
Lubricating system capacity(L)	7.48-8.68	7.48-8.68	8.1	8.5	16.1	16.1	19
Diesel engine Prime power /rated	kw/(1500r/min)	28	44	40	65.7	84.3	121
	kw/(1800r/min)	30	50	44	75.6	97.6	134
Diesel engine Standby Power /rated	kw/(1500r/min)	30.8	48	44	72.3	92.7	134
	kw/(1800r/min)	33	55	48	83.2	107.3	147
Genset power kw/(1500r/min)	Prime	22	35	35	58	76	108.9
	Standby	26	38	40	64	84	120
Genset power kw/(1800r/min)	Prime	27	43	39	67	88	121
	Standby	30	48	43	74	97	132
Governing	Mechanical governing	3-5%	3-5%	3-5%	3-5%	3-5%	3-5%
	Electronic governing	≤ 1%	≤ 1%	≤ 1%	≤ 1%	≤ 1%	≤ 1%
Weight(kg)	410	415	540	550	710	710	730
Electrical system	Standard configuration 24V, optional 12V						
Overall dimensions (mm) L × W × H	1186 × 688 × 940	1186 × 680 × 940	1253 × 706 × 946	1253 × 706 × 946	1484 × 740 × 1107	1484 × 740 × 1107	1600 × 800 × 1064

Model	1003G1A	1003TG1A	1004TG1A	1006TG3A	1006TAG1A
Cylinder number	3	3	4	6	6
Genset Power(KW)	20	30	45	75	90
Diesel engine Prime power /rated	kw/(1500r/min)	26	38	52	86
	kw/(1800r/min)	28	42	58	100
Diesel engine Standby Power /rated	kw/(1500r/min)	28.6	42	57	94.6
	kw/(1800r/min)	30.8	46	64	110
Induction System	Naturally aspirated	Turbocharged	Turbocharged	Turbocharged	Turbocharged and air intercooled
Governor Type	Electronic governor	Electronic governor	Electronic governor	Electronic governor	Electronic governor
Governing	≤ 1%	≤ 1%	≤ 1%	≤ 1%	≤ 1%



Leading technology, Strong power, Good fuel economy and environmental protection, Excellent manufacture

- High Power Density**
 More power than competitive models at close displacement, the power of 3-cylinder can reach 4-cylinder level of competitor.
- Low Fuel Consumption**
 Adopted European patent Quadram combustion chamber which can reduce fuel consumption, emission and noise, meanwhile Diesel Engine With In-line Pump For Gensets raises engine power.
- Good Performance of Cold Start**
 Started normally at -10℃ without preheater, started smoothly at -25℃ through flame preheating cold start device, meanwhile -40℃ start solution is available.
- Stability & Reliability**
 Stable and reliable engine performance, good market feedback.



MODEL	A	B	C	D	E	F	G	H	I
1003G/1003G1A	338.1	430.5+1.5	260.2	147.7	441.5	156.4	81.8	67.5	60
1003TG/1003TG1A	338.1	430.5+1.5	260.2	-13.1	353.2	156.4	81.8	67.5	60
1004G	455.6	430.5+1.5	260.2	258.6	434	156.4	81.8	67.5	60
1004TG/1004TG1A	455.6	430.5+1.5	260.2	353.9	354	156.4	81.8	67.5	60
1006TG1A/1006TG2A/1006TG3A	701.7	456.5+1.5	260.2	374.7	488	156.4	81.8	67.5	69
1006TAG/1006TAG1A	701.7	430.5+1.5	260.2	551.69	488	156.4	81.8	67.5	69

Lovol 1000 Series Diesel Engine for Generating Set