

# VOLVO Starlight Volvo Series

## PENTA Power Range: 75KW-616KW

- ★ Powerful load-bearing capacity ★ Smooth running, low noise ★ Fast and reliable cold start performance.
- ★ Exquisite and small shape design ★ Low fuel consumption and low operating cost ★ Low exhaust emissions, economic and environmental protection
- ★ Service network all over the world, plenty of spare parts supply



### Cooling and ventilation system of Volvo gensets

- \* Standard Volvo diesel gensets use the closed cooling water cycle system
- \* Adopt fission type cooling system or heat exchanger system due to chamber conditions
- \* Air inlet and outlet should be in reasonable layout, to avoid the reflux of heating.
- \* Air inlet and outlet should meet the minimum clearance requirements.

### Exhaust system of Volvo diesel gensets

- \* Volvo diesel gensets are equipped with an industrial muffler according to the standard
- \* The exhaust system should reduce the quantity of elbow and shorten the total length of the exhaust pipe as far as possible.
- \* When the length and the quantity of elbow is beyond standard, should make an appropriate increase in the exhaust pipe diameter.
- \* The bellows shall be installed between the exhaust pipes and the sets for the purpose of isolation.

### Noise suppression

- \* The noise reduction processing in the engine chamber can reduce the noise to 60 db (A). The noise-proof, super noise-proof, trailer noise-proof or vehicle noise-proof Volvo diesel genset can reduce the noise to 70-80 db (A).

### Fuel supply system

- \* GF series Volvo diesel gensets need to be equipped with daily tank additionally.
- \* The height difference between the tank and the unit meets the requirements.
- \* The oil taking and returning pipe meets the size requirements.
- \* Installation of oil supply system conforms to fire protection rule.
- \* When the fuel is in poor quality, the installation of a oil-water separator is recommended.

### Cable connection

- \* The air switch of Volvo diesel generator set below 500GF adopts moulded case air switch and hangs on the right side of generator (from the generator side).
- \* Soft connection is recommended in the cable connection.
- \* It is suggested that the cable should be prelaidd in the cable slot and treated with impermeability and leakage prevention.

## Technical Data

Volvo company is Sweden's largest industrial enterprise with a history of 120 years, and it is one of the world's oldest engine manufacturer-ers. So far its engine output has reached more than 1 million units, and it has been widely used in automobile, engineering machinery, ships and other power, it is the ideal power of the generator. Starlight Volvo series environmental protection unit emissions reach Euro II and III and the European EPA environmental standards, it is in a leading position on the six cylinder engine and electronic injection technology, with small size, less fuel consumption, high precision, long life and other characteristics to win the praise of customers around the world.

VOLVO SERIES										
Set Type	Prime/Standby (KW)	Engine model	Prime/Standby (KW)	Bore-stroke ratio (KW)	Number of cylinder	Machine oil capacity (L)	Fuel consumption g/kw · h	Displacement	Open Type	
									Overall Size (L×W×H)(mm)	Weight (kg)
XG-75GF	68/75	TAD530GE	76/83	108X130	4	13	213	StageII	2200×720×1380	1050
XG-75GF-1	68/75	TAD550GE	77/85	108X130	4	19	212	StageIII	2200×720×1380	1050
XG-88GF	80/88	TAD531GE	88/96	108X130	4	13	218	StageII	2200×720×1380	1200
XG-88GF-1	80/88	TAD551GE	91/100	108X130	4	19	218	StageIII	2200×720×1380	1200
XG-110GF	100/110	TAD532GE	114/124	108X130	4	13	218	StageII	2300×720×1380	1250
XG-115GF	105/115	TAD750GE	115/127	108X130	6	20	219	StageIII	2600×1000×1650	1400
XG-132GF	120/132	TAD731GE	133/145	108X130	6	17	215	StageII	2600×1000×1650	1480
XG-132GF-1	120/132	TAD751GE	133/145	108X130	6	20	216	StageIII	2600×1000×1650	1480
XG-165GF	150/165	TAD732GE	165/179	108X130	6	31	213	StageII	2600×1000×1650	1500
XG-165GF-1	150/165	TAD752GE	160/174	108X130	6	31	205	StageIII	2600×1000×1650	1500
XG-176GF	160/176	TAD733GE	179/195	108X130	6	31	216	StageII	2650×1070×1650	1550
XG-176GF	160/176	TAD753GE	176/191	108X130	6	31	205	StageIII	2650×1070×1650	1550
XG-220GF	200/220	TAD734GE	222/239	108X130	6	24	204	StageII	2650×1070×1650	1650
XG-220GF	200/220	TAD754GE	220/239	108X130	6	31	204	StageIII	2650×1070×1650	1650
XG-275GF	250/275	TAD1341GE	277/298	131X158	6	30	191	StageII	3000×1100×1750	2300
XG-275GF-1	250/275	TAD1351GE	285/306	131X158	6	30	200	StageIII	3000×1100×1750	2300
XG-330GF	300/330	TAD1343GE	331/356	131X158	6	35	192	StageII	3100×1200×1750	2900
XG-330GF-1	300/330	TAD1352GE	321/345	131X158	6	30	197	StageIII	3100×1200×1750	2900
XG-330GF	300/330	TAD1354GE	336/361	131X158	6	30	196	StageIII	3100×1200×1750	2900
XG-385GF	350/385	TAD1344GE	362/389	131X158	6	30	194	StageII	3100×1200×1750	2950
XG-385GF-1	350/385	TAD1355GE	363/390	131X158	6	30	192	StageII	3100×1200×1750	2950
XG-396GF	360/396	TAD1345GE	401/431	131X158	6	30	196	StageII	3100×1200×1750	2950
XG-418GF	380/418	TAD1650GE	407/433	144X165	6	42	202	StageIII	3200×1160×2022	3000
XG-440GF	400/440	TAD1641GE	445/473	144X165	6	42	199	StageII	3200×1160×2022	3100
XG-440GF-1	400/440	TAD1651GE	445/473	144X165	6	42	198	StageIII	3200×1160×2022	3100
XG-52GF	473/520	TAD1642GE	521/554	144X165	6	42	201	StageII	3200×1160×2022	3200
XG-550GF	500/550	TWD1652GE	529/557	144X165	6	42	210	StageIII	3200×1160×2022	3300
XG-550GF-1	500/550	TWD1643GE	560/596	144X165	6	42	199	StageII	3460×1400×2100	3300
XG-572GF	520/572	TWD1653GE	573/603	144X165	6	42	208	StageIII	3460×1400×2100	3400
XG-616GF	560/616	TWD1645GE	595/654	144X165	6	42	191	StageIII	3460×1400×2100	3600

Above Gensets all base on 50Hz,1500RPM, Rated Voltage 400V/230V, Power factor is 0.8lag and connecting method are 3phase 4Wire.  
Above technical data would not be as shipment date. The technical data is subject to change without notice because of the technology progress.