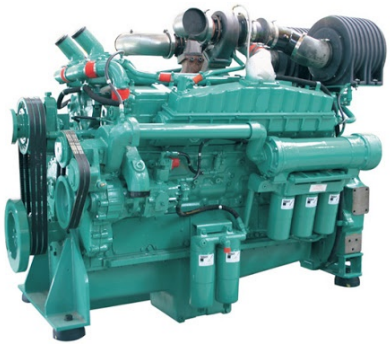
Series TAD5045GE

Xenic TAD50xxGE series diesel engine is specifically designed for generator equipment, marine, engineering machginery, industrial pump and farm machinery. It's made of alloy-cast iron of which shows high rigidity, strong vibration absorption, low noise, compact stricture, better relibility and higher power.



Engine Type	Direct Injection, V-Type, 4-Stroke, Water Cooling , 4 Valve
Intake Type	Turbo Charger / Air- air Intercooler
Gros Engine Output / Prime	1097 kWm
Gros Engine Output / Standby	1227 kWm
Bore * Stroke	159x159(mm)
Number Of Cylinder	16
Cylinder Type	Repleceable Wet Cylinder
Total Displacement	50 (L)
Specicific Fuel Consumption	≤220 (g/kW•h)
Specific Oil Consumption	≤0,9 (g/kW•h)
Speed Gorverning Mode	Electronic Governor
Fan Power (kWm)	21.0 (50Hz)
Rated Speed	1500 (rpm) / 1800 (rpm)
Starting Mode	Electrical Starting
Crankshaft Rotating Direction	Anti - Clockwise
Noise	≤126 (db)
Smoke	≤3.0
Flwheel Housing	SAE NO. 0
Flwheel	INO.18
Battery Charging Alternator	55 A
Starting Voltage	24 V
Engine Oil According to the Provisions of GB 11122	CF15W/40 (Below environment temperature - 5 ° C)
Lube Oil Capacity (l)	177
Lube Oil Filter Type(s)	Spin on full flow filter
Cooling Capacity (l)	152
First Step Load	75%

Key Features

- Adopted iron casting structure to the body, improved the integral structure and performance. Proper design and better sealing ability.
- Utilized 4 valves per cylinderi reduces the resistance to improve the air intake ability, better fuel combustion with high-performance P-type fuel injector.
- Applied inner cooling channel structure, not only reduce the contact stress between the camshaft and push-rod, but also the wear ratio, ensure the engine relibility.
- Adopted maas oil flow bump assy in order to ensure the lubrication and cooling ability.

Dimensions

Length	Width	Height	Weight (dry)
mm	mm	mm	kg
3275	2000	2200	5900

Fuel Consumption 1500 rpm

%	kWm	BHP	L/ph	US gal/ph
Standby Power				
100	1227	1645	293	77.4
Prime Power				
100	1097	1470	261	69.0
75	822	1102	199	52.5
50	548	735	139	36.6
25	275	368	76	20.0
Continuous Power				
100	900	1206	216	57.1

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