

YH Series

4 Pole, Single Phase, Silent type
Generator output 6.6 – 29.2kVa



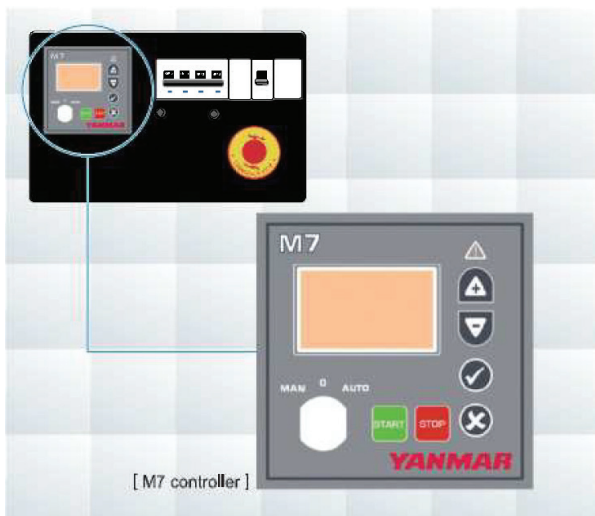
Optional large capacity fuel tank available (LT)

SPECIFICATIONS

Model			YH110DSLS	YH170DSLS	YH220DSLS	YH280DSLS	YH440DSLS
Generator	Frequency	Hz	50				
	Voltage		240				
	Output(Stand By Rating)	kVa	6.6	10.8	15.3	17.9	29.2
	Output(Prime Rating)	kVa	6.1	10.1	14.1	16.4	26.6
	Revolutions	min-1	1500				
	Phase and Pole		SINGLE PHASE, 4-POLE				
	Excitation		SELF EXCITED, BRUSHLESS				
	Sockets		2 X 15A		1 X 15A, 1 X 32A	2 X 15A, 1 X 32A	TBA
Engine	Type		YANMAR VERTICAL WATER COOLED, 4-STROKE DIESEL				
	Model		3TNV76-GGEH	3TNV88-GGEH	4TNV88-GGEH	4TNV84T-GGEH	4TNV98-GGEH
	Displacement	L	1.116	1.642	2.190	1.995	3.318
	Rated output(PRIME)		8.1	12.2	16.4	19.1	30.7
	Revolutions	RPM	1500				
	Combustion System		INDIRECT	DIRECT INJECTION			
	Cooling System		RADIATOR				
	Aspiration		NATURAL			TURBO-CHARGED	NATURAL
	Lubricating System		FORCED LUBRICATION WITH MULTI-STAGE TROCHOID PUMP				
	Starting System		ELECTRIC START				
	Fuel		DIESEL (BS2869 A1 or A2)				
	Lubricating oil		API GRADE:CD GRADE				
	Charging Dynamo	V-A	12V-40A				
	Recom Battery Capacity	V-AH	12-66		12-92		
	Fuel Consumption (75% Load)	L/HR	1.77	2.50	3.29	3.75	5.70
Unit	Dimensions	L-mm	1475			2100	
		W-mm	750				
		H-mm	1010 (1183-LT)			1217 (1277-LT)	
	Fuel Tank Capacity Standard	L	22		100		
	Fuel Tank Capacity Optional	L	100		190		
	Dry Weight	KG	591 (656-LT)	609 (674-LT)	775 (841-LT)	785 (851-LT)	870 (936-LT)
	Noise Level	dB @ 7m	59	62	61	60	66

YH Series Control panel scope of supply

Control panel M7



The M7 controllers are able to control operation, monitoring and protection of the generator. The controller unit consists of 2 different modules:

- 1) The VISUALISATION module
- 2) The MEASUREMENT module

Visualisation module

Provides information about the status of the device and at the same time, allows the user to interact with it. It consists on a backlight display and various LED's for monitoring the status of the controller and buttons that allow the user to control, program and configure the functions of the unit.

Measurement module

Controls and monitors the control board functions and it is connected to every sensor and actuator in the generator. This is located in the rear part of the control panel, in order to reduce the wiring and to avoid electromagnetic disturbance.

Both visualisation & measurement modules are connected by CAN communication bus and allow advanced intercommunication with other modules to the main controller.

Standard Features

GENERATOR INDICATIONS	M7
Voltage among phases	✓
Voltage among phases and neutral	✓
Amperage	✓
Frequency	✓
Apparent power (kVA)	✓
Active power (kW)	✓
Reactive power (kV AR)	✓
ENGINE INDICATIONS	
Coolant & temperature	✓
Oil pressure	✓
Fuel level	✓
Battery voltage	✓
Revolution speed	✓
Battery charge alternator voltage	✓
Unexpected shutdown	✓
Stop failure	✓
Low battery voltage	✓
Start failure	✓
Emergency Stop	✓
ENGINE PROTECTIONS	
High coolant temperature	P
Coolant temperature by sensor	Pro
Low coolant level	P
Low oil pressure	P
Low fuel level	A
Fuel level by sensor	Pro
Battery charge alternator failure	A
Over speed	P
Under speed	P
ALTERNATOR PROTECTIONS	
High frequency	P
Low frequency	P
High voltage	P
Low voltage	P
Short-circuit	P
Asymmetry among phases	P
Incorrect phase sequence	P
Reverse power	P
Overload	P
COUNTER INDICATIONS	
Total hour counter	✓
Partial hour counter	✓
Kilowatt meter	✓
Start valid counters	✓
Start failure counters	✓
Maintenance	✓
FEATURES	
Alarm history	Up to 100
External start	✓
Start inhibition	✓
Pre-heating engine control	✓
Gen-set contactor activator	✓
Programmable alarms	✓
Programmable outputs	✓
Multilingual	✓

(✓) Standard (A) Warning alarm without engine stop (P) Alarm with engine stop (Pro) Programmable

Note: All the protection are programmable to carry but "warning" or "engine stop with or without cooling."