

DEEP SEA CONTROLLER

Huu Toan chooses Deep Sea Electronics from UK, the world's number one manufacturer of generator control, as our partner. DSE displays information to the operator in a clear, concise and easy-to-use format for customers



MECC ALTE ALTERNATOR

Mecc Alte is the world leading alternators producer, made in UK/Italy. These products have ultra-compact design, high voltage accuracy and minimal harmonic content of voltage and interference meeting all demanding technological application's requirements



YANMAR ENGINES

Huu Toan uses Yanmar engines, made in Japan and widely considered as the best engine brand in the world, for 8.2 kVA to 58 kVA Gensets. These engines are equipped with the most advance features in fuel system, provide low fuel consumption, quick start and decade's long durability for Huu Toan Gensets. In addition, Yanmar engines are featured with the Air-inlet with turbo charge technology help Huu Toan Gensets to produce thrusting power with minimal exhaust emissions

HUU TOAN's SOUND PROOF SYSTEM

In order to meet rigorous super-silent standard, Huu Toan uses sheet metal with thickness of 1.8-2.0 mm coated with Jotun/AkzoNobel powder and installs premium acoustic insulation system materials for our Genset Sound Proof System

THE MOST ADVANCED GENSET OEM FACTORY IN VIETNAM



AE 2510

Modern powder coating application provides the most color-durable and longest-lasting finishes available

High efficient and precise automated CNC systems

HUU TOAN
HỆ THỐNG KIỂM TRA CÔNG SUẤT MÁY PHÁT ĐẾN 2500 KVA
QUALITY TESTING SYSTEM FOR GENSET UP TO 2500 KVA

The wide range up to 2500 kVA permanent load bank

Automated robotic welding delivers a higher quality fabricated steel



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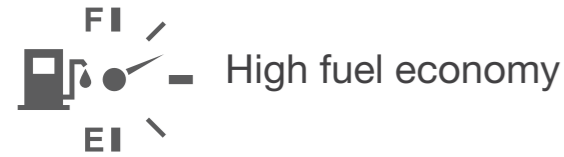


GENERATOR YMG series



WE PUT OUR HEART AND DEDICATION TO DEVELOP QUALITY PRODUCTS WORTHY OF THE VIETNAMESE BRAND, VIETNAMESE SPIRIT

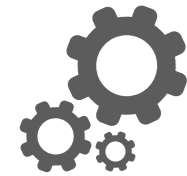
GENERATOR 8.2 - 58 kVA



High fuel economy



Superior soundproof system



Reliable durability



ISO 9001:2008 standard



SPECIFICATIONS

MODEL			YMG14SL	YMG18SL	YMG24SL	YMG32SL	YMG44SL	YMG56SL	YMG66SL	YMG77SL	YMG14TL	YMG18TL	YMG24TL	YMG32TL	YMG44TL	YMG56TL	YMG66TL	YMG77TL		
GENERATOR	Type		Synchronous generator, direct coupling, brushless.																	
	Insulation and protection class		Class H, IP21 (other on request)																	
	Voltage regulation		± 1% from no-load to nominal load in static condition with frequency variations ranging from -5% to +20% of the nominal value.																	
	Frequency		50 / 60																	
	Voltage		1 phase: 220 / 240V										3 phases: 380 / 415V							
	Phase - Wires - Power factor		1 PHASE - 2 WIRES - COSPHI 1										3 PHASE - 4 WIRES - COSPHI 0.8							
Power	Standby	kVA	9.0 / 10.2	10.5 / 13.2	14.4 / 14.5	18.2 / 18.7	25.8 / 26.4	29 / 31	36 / 36.8	44 / 46	11.2 / 14.2	13.6/16.5	18.8/23.1	22.5/27.5	36/44	44/50	55/65	63.5/69		
	Prime	kVA	8.2 / 9.3	9.8 / 12	13.2 / 14	16.5 / 17	23.5 / 24	26.5 / 29	33 / 33.5	40 / 42	10.2 / 13	12.5/15.1	17.1/21	20.5/26	33/40	40/45.5	50/58	58/63		
ENGINE	Engine model		YANMAR	3TNV82A-GGE	3TNV88-GGE	4TNV88-GGE	4TNV84T-GGE	4TNV98-GGE	4TNV98T-GGE	4TNV106-GGE	4TNV106T-GGE	3TNV82A-GGE	3TNV88-GGE	4TNV88-GGE	4TNV84T-GGE	4TNV98-GGE	4TNV98T-GGE	4TNV106-GGE	4TNV106T-GGE	
	Type		Diesel 4 stroke																	
	Aspiration		Natural																	
	Speed governor		Mechanical																	
	Compression ratio		19.2 : 1																	
	Cylinder - Arrangement		3 - In-line																	
	Bore x stroke		mm	82 x 84	88 x 90	88 x 90	84 x 90	98 x 110	98 x 110	106 x 125	106 x 125	82 x 84	88 x 90	88 x 90	84 x 90	98 x 110	98 x 110	106 x 125	106 x 125	
	Total displacement		L	1.331	1.642	2.190	1.995	3.319	3.319	4.412	4.412	1.331	1.642	2.190	1.995	3.319	3.319	4.412	4.412	
	Revolutions		rpm	1500 / 1800																
	Power	Standby	Hp	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
kWm			11 / 13.2	13.2 / 16.2	17.7 / 21.6	21 / 26.8	34.1 / 40.8	41.4 / 50.1	49.4 / 58.7	56 / 66.9	11 / 13.2	13.2 / 16.2	17.7 / 21.6	21 / 26.8	34.1 / 40.8	41.4 / 50.1	49.4 / 58.7	56 / 66.9		
Prime		Hp	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
		kWm	9.9 / 12	12.2 / 14.7	16.4 / 19.6	19.1 / 24.2	30.7 / 36.4	37.7 / 45.3	44.9 / 53.3	50.9 / 60.9	9.9 / 12	12.2 / 14.7	16.4 / 19.6	19.1 / 24.2	30.7 / 36.4	37.7 / 45.3	44.9 / 53.3	50.9 / 60.9		
FUEL SYSTEM	Fuel type		Diesel EN 590																	
	Fuel consumption	100%	L/h	2.9 / 3.5	3.5 / 4.2	4.7 / 5.6	5.5 / 7.0	8.1 / 9.6	10.6 / 12.7	10.5 / 13.8	13.2 / 15.8	2.9 / 3.5	3.5 / 4.2	4.7 / 5.6	5.5 / 7.0	8.1 / 9.6	10.6 / 12.7	10.5 / 13.8	13.2/15.8	
		80%	L/h	2.3 / 2.8	2.8 / 3.4	3.8 / 4.5	4.4 / 5.6	6.5 / 7.7	8.4 / 10.1	9.2 / 11	10.6 / 12.6	2.3 / 2.8	2.8 / 3.4	3.8 / 4.5	4.4 / 5.6	6.5 / 7.7	8.4 / 10.1	9.2 / 11	10.6/12.6	
		50%	L/h	1.8 / 1.7	1.8 / 2.1	2.4 / 2.8	3.3 / 2.5	4.0 / 4.8	5.3 / 6.3	5.8 / 6.9	6.6 / 7.9	1.4 / 1.7	1.8 / 2.1	2.4 / 2.8	2.8 / 2.5	4.0 / 4.8	5.3 / 6.3	5.8 / 6.9	6.6/7.9	
Fuel tank capacity (OP/SP)		L	47 / 42	47 / 48	47 / 75	47 / 75	60 / 145	60 / 145	60 / 145	60 / 145	47 / 42	47 / 48	47 / 75	47 / 75	60 / 145	60 / 145	60 / 145	60/145		
LUB OIL SYSTEM	Oil consumption		--																	
	Oil grade		SAE class CD, IPE grade 10W30																	
	Oil capacity		L	5.5	6.7	7.4	7.4	10.5	10.5	14	14	5.5	6.7	7.4	7.4	10.5	10.5	14	14	
COOLANT	Coolant capacity (engine only)		L	1.8	2.0	2.7	2.7	4.2	4.2	6	6	1.8	2.0	2.7	2.7	4.2	4.2	6	6	
CONTROL SYSTEM	Type		AMF (Auto mains failure control module) - 12/24VDC - MCB / MCCB output protection - CANbus system																	
	Basic function		Indication : LN/LL voltage, L1/L2.L3 current, Frequency, Power (kW, kVA,kVAh,kWh, kVAh,kVAh), Rpm , Oil pressure , Coolant temperature , Hours run , Charging voltage, Battery voltage. ALarm: Low fuel level. Shutdown with indication: Over voltage, Under voltage, Over frequency, Under frequency, Overload, Short circuit, High water temperature, Low oil pressure.																	
DIMENSIONS (Open / Soundproof)	Length		mm	1450 / 1706	1390 / 1750	1560 / 2000	1560 / 2000	1740 / 2200	1740 / 2200	2000 / 2450	2000 / 2450	1450 / 1706	1390 / 1750	1560 / 2000	1560 / 2000	1740 / 2200	1740 / 2200	2000 / 2450	2000 / 2450	
	Width		mm	640 / 700	630 / 750	630 / 850	630 / 850	750 / 900	750 / 900	750 / 900	750 / 900	640 / 700	630 / 750	630 / 850	630 / 850	750 / 900	750 / 900	750 / 900	750 / 900	
	Height		mm	920 / 960	920 / 950	940 / 1080	940 / 1080	1050 / 1180	1050 / 1180	1057 / 1200	1057 / 1200	920 / 960	920 / 950	940 / 1080	940 / 1080	1050 / 1180	1050 / 1180	1057 / 1200	1057 / 1200	
DRY WEIGHT (Open / Soundproof)		kg	300 / 450	350 / 620	460 / 740	480 / 750	620 / 950	630 / 970	740 / 1060	800 / 1120	300 / 450	350 / 620	460 / 740	480 / 750	620 / 950	630 / 970	740 / 1060	800 / 1120		
OPTIONAL DEVICES		Automatic transfer switch (ATS), Synchronizing system																		
NOISE LEVEL (Open / Soundproof)		dB	-- / 65	--/65	--/65	--/65	--/65	--/65	--/65	--/65	--/65	--/65	--/65	--/65	--/65	--/65	--/65	--/65		

▲ Error within ±5%

▲ NOISE LEVEL with 75% load at 7 meter

▲ Specifications are subject to change without notice