

GSW 15 – 20TYM*DS Powered by Yanmar TNE88

Mounting arrangement: Diesel engine directly coupled to a synchronous single bearing alternator through flexible discs. This 'monoblock' is mounted on a steel base frame by means of anti vibration mountings. The base frame integrates a fuel tank completely equipped and bolted feet (removable) are supplied.

Yanmar-engine: This range of gensets are equipped with Yanmar four stroke, direct injection water cooled engines of TNE88 series at 1500 or 1800 rpm. Reduced in size and weight an excellent fuel economy, high output and clean exhaust emissions, in consideration of the global environment, are some characteristic that make it special.

Alternator: Mecc Alte alternator, self excited, self regulated with electronic regulation and four poles with winding class H insulation.

Manual control (C): The generating set is supplied with a manual control panel, mounted in the canopy.

GE200 manual control unit with possibility for automatic start and stop by external signal, which includes following functions and components:

Analogue instruments:

- generator three phases voltage
- generator three phases amperage
- generator frequency
- working hours
- fuel level
- oil pressure
- engine temperature

LED indicators:

- low oil pressure
- high engine temperature
- low fuel level
- power on

Warnings and shutdowns:

- oil pressure shutdown
- engine temperature shutdown
- battery charge failure
- low level fuel warning

Frontal push buttons or switches for:

- ON OFF START selector switch with key
- Selector switch for voltage
- emergency stop button
- selector switch for amperage

Other features:

- main circuit breaker with differential protection 4 p (up to 125A) / 3 p (over 125A)
- main connection plinth behind plexi glass door
- different socket kits available
- remote start capability.

Automatic control panel (D) mounted in the canopy.

GC-M02 control unit for measurement, control and protection of the genset.

For descriptions please see: control panels.

Optionals:

- Automatic fuel transfer pump
- Remote control
- Trailer (road / site)
- Pre-heating system
- Different canopy colour
- Battery switch
- Alternator:
 - tropicalized
 - anti-condensation heaters
 - paralleling kit.



Genset model	GSW 15TYM*DS	GSW 20TYM*DS
Prime power (kVA)	12,8	17,3
Emergency power (kVA)	14,1	18,9
Frequency (Hz)	50	50
Voltage (V)	3-phases 400/230	3-phases 400/230
Engine model	Yanmar 3TNE 88ACG	Yanmar 4TNE 88ACG
Cylinders	3	4
Displacement (c.c.)	1642	2190
Compress ratio	18:1	18:1
Aspiration	Natural	Natural
Rpm	1500	1500
Engine output, prime (kW)	12,3	16,4
Cooling	Water	Water
Fuel consumption 100% load (l/h)	3,5	4,6
Fuel consumption 75% load (l/h)	2,6	3,5
Fuel consumption 50% load (l/h)	1,7	2,3
Fuel consumption 25% load (l/h)	0,9	1,2
Exhaust temp. (°C)	450	460
Cooling water capacity (l)	2	2,7

Other voltages available under request.

Continuous power: At variable load according to ISO 3046 (ICN2).

Emergency power: No overload capacity according to ISO 3046 (IFN3).

	GSW 15TYM*DS	GSW 20TYM*DS
SOUNDPROOF VERSIONS (S)		
Noise level dB(A)	63	65
Fuel tank capacity (l)	50	50
Dimensions (mm)		
- Length	1800	1800
- Width	830	830
- Height	1150	1150
Weight (kg)	735	785
Weight including coolant and lubricant.		

*) C=manual control D=automatic control

Available only soundproofed versions.