

Construction site generators 10 – 50 kVA

Modern YANMAR water-cooled diesel engines are used in the 10 to 50 YW-B series. These stand out thanks to their long-term reliability, high quality and cleanliness.

Equipment details

- Cleanly and quietly operating TNV motors
- Electronically regulated high-performance generators from MeccAlte
- Brushless design with highly constant voltage



ESE 20 YW-B



Model	ESE 10 YW-B	ESE 15 YW-B	ESE 20 YW-B	ESE 30 YW-B
Order No.	310 014	310 011	310 012	310 012
Max. output [LTP] kVA/kW	9.3 / 7.4	14.3 / 11.4	19.3 / 15.4	19.3 / 26.0
Continuous power [PRP] kVA/kW	8.5 / 6.8	13.0 / 10.4	17.6 / 14.0	30.5 / 24.4
Alternator type	MeccAlte	MeccAlte	MeccAlte	MeccAlte
Design/insulation	synchronous / class H	synchronous / class H	synchronous / class H	synchronous / class H
Nominal voltage	400 V 3~ / 230 V 1~	400 V 3~ / 230 V 1~	400 V 3~ / 230 V 1~	400 V 3~ / 230 V 1~
Nominal current/cos φ	12.2 A 3~ / 0.8	18.8 A 3~ / 0.8	25.4 A 3~ / 0.8	44.0 A 3~ / 0.8
Frequency/regulation	50 Hz / electronic	50 Hz / electronic	50 Hz / electronic	50 Hz / electronic
Engine type	YANMAR 3TNV76	YANMAR 3TNV88	YANMAR 4TNV88	YANMAR 4TNV98T
Design	3-cylinder 4-stroke	3-cylinder 4-stroke	4-cylinder 4-stroke	4-cylinder 4-stroke
Cooling system	water cooled	water cooled	water cooled	water cooled
Displacement	1116 cm ³	1642 cm ³	2190 cm ³	3319 cm ³
Engine output [PRP]	8.4 kW	12.7 kW	16.9 kW	31.2 kW
RPM/regulation	1500 / mechanical	1500 / mechanical	1500 / mechanical	1500 / mechanical
Fuel/tank capacity (litres)	Diesel / 51	Diesel / 51	Diesel / 51	Diesel / 68
Consumption/running time at 75% load*	2.0 l / 25 h	2.8 l / 17.9 h	3.7 l / 13.7 h	5.8 l / 11.7 h
Start-up system	E-Start / 12 V	E-Start / 12 V	E-Start / 12 V	E-Start / 12 V
Sound power level LWA	93 dB(A)	93 dB(A)	93 dB(A)	95 dB(A)
Sound pressure level LPA (7 m)	64 dB(A)	64 dB(A)	64 dB(A)	66 dB(A)
Weight in kg	418	480	560	773
Dimensions L x W x H in mm	1646 x 885 x 1061	1646 x 885 x 1061	1646 x 885 x 1061	2005 x 948 x 1308
Available accessories	Order No.	Order No.	Order No.	Order No.
Chassis ST Drawbar rigid	341 100 / FG 75	341 100 / FG 75	341 102 / FG 135	341 102 / FG 135
Chassis HV height adjustable	341 101 / FG 75	341 101 / FG 75	341 103 / FG 135	341 103 / FG 135
Load transfer switch for LTP performance**	343 012 / E-US 20	343 000 / E-US 32	343 000 / E-US 32	n.a.
Galvanized baseframe	n.a.	n.a.	n.a.	n.a.
Earthing kit	162 008	162 008	162 008	162 008
Special equipment - not retrofit				
AMF panel	310 014A	310 011A	310 012A	n.a.
RCD protection switch allstrom sensitiv	342 012	342 012	342 012	342 013
Insulation monitoring	163 076	163 076	163 076	163 076
Custom colour	on request	on request	on request	on request
Large tank 48 h at 75% load	n.a.	n.a.	n.a.	343 007
Remote control radio/cable	on request	on request	on request	on request

* Data is based on average values and are not binding, since individual cases may vary.

**incl. coolant pre-warming system, 1 x CEE 400 V socket, terminal block