

GCW SERIES SPECIAL SOLUTIONS

The GCW series are special generating solutions, produced to order, that can be adapted to our customer's specific requirements.

Detailed specifications of the control panels are given at the end of this chapter (pag. 45).



Testing room

Special canopy

GENERATING SET	GCW1500	GCW1770	GCW2040	GCW2270	GCW2600	GCW2800 (*)	GCW3100 (*)	GCW3360 (*)
STAND BY POWER LTP kW/kVA	1200,0 / 1500,0	1416,0 / 1770,0	1628,0 / 2035,0	1814,0 / 2268,0	2067,0 / 2583,0	2232,0 / 2790,0	2440,0 / 3050,0	2685,0 / 3356,0
PRIME POWER PRP kW/kVA	1109,0 / 1386,0	1326,0 / 1658,0	1475,0 / 1844,0	1689,0 / 2111,0	1854,0 / 2317,0	2054,0 / 2567,0	2270,0 / 2838,0	2436,0 / 3045,0
NOMINAL VOLTAGE Volt / FREQUENCY	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3 Y	3 Y	3 Y	3 Y	3 Y	3 Y	3 Y	3 Y
ENGINE								
BRAND	MTU	MTU	MTU	MTU	MTU	MTU	MTU	MTU
MODEL	12V4000G23R	12V4000G23	12V4000G63	16V4000G23	16V4000G63	20V4000G23	20V4000G63	20V4000G63L
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	12 a V	12 a V	12 a V	12 a V	12 a V	12 a V	12 a V	12 a V
TOTAL DISPLACEMENT cc	57200	57200	57200	76300	76300	95400	95400	95400
AIR INTAKE	Turbocharged intercooler							
SPEED rpm	1500	1500	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	1285	1535	1710	1915	2135	2365	2607	2794
PRIME POWER PRP kW	1165	1380	1535	1748	1915	2145	2365	2535
FUEL CONSUMPTION at 75% / 100% PRP L/h	209 / 279	247 / 329	272 / 363	313 / 417	338 / 451	394 / 526	434 / 579	464 / 619
ALTERNATOR								
TYPE	brushless	brushless	brushless	brushless	brushless	brushless	brushless	brushless
POLES	4	4	4	4	4	4	4	4
VOLTAGE	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT								
LENGTH (OPEN SET - SOUNDPROOF) mm	5300 - 8200	5300 - 8200	5300 - 8200	6100 - 8550	6100 - 8550	6100 - On request	6100 - On request	6100 - On request
WIDTH (OPEN SET - SOUNDPROOF) mm	2000 - 2200	2000 - 2200	2000 - 2200	2300 - 2500	2300 - 2500	2000 - On request	2000 - On request	2000 - On request
HEIGHT (OPEN SET - SOUNDPROOF) mm	2500 - 3780	2500 - 3780	2500 - 3780	2790 - 3900	2790 - 3900	2900 - On request	2900 - On request	2900 - On request
WEIGHT (OPEN SET - SOUNDPROOF) Kg	11590 - 14560	12150 - 15120	12430 - 18430	15620 - 18920	15900 - 19300	17000 - On request	18000 - On request	20000 - On request
FUEL TANK CAPACITY L	1000	1000	1000	1000	1000	1000	1000	1000
RUNNING TIME at 75%/100% PRP h	4,8 / 3,6	4,0 / 3,0	3,7 / 2,7	3,2 / 2,4	3,0 / 2,2	2,5 / 1,9	2,3 / 1,7	2,2 / 1,6
NOISE PRESSURE LEVEL at 7 mt dB(A)	- / 70	- / 70	- / 70	- / 70	- / 70	- / On request	- / On request	- / On request

(*) Dimensions and weights without radiator



GENERATING SET	GCW1130	GCW1400	GCW1510	GCW1650	GCW1780	GCW2030	GCW2265
STAND BY POWER LTP kW/kVA	907,0 / 1134,0	1119,0 / 1399,0	1200,0 / 1500,0	1319,0 / 1649,0	1417,0 / 1770,0	1624,0 / 2030,0	1814,0 / 2268,0
PRIME POWER PRP kW/kVA	825,0 / 1031,0	1013,0 / 1266,0	1094,0 / 1367,0	1199,0 / 1499,0	1366,0 / 1707,0	1477,0 / 1846,0	1657,0 / 2071,0
NOMINAL VOLTAGE Volt / FREQUENCY	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3 Y	3 Y	3 Y	3 Y	3 Y	3 Y	3 Y
ENGINE							
BRAND	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins
MODEL	4008TAG2A	4012-46TWG2A	4012-46TWG3A	4012-46TAG2A	4012-46TAG3A	4016TAG1A	4016TAG2A
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	8 in line	12 a V	12 a V	12 a V	12 a V	16 a V	16 a V
TOTAL DISPLACEMENT cc	30561	45842	45842	45842	45842	61123	61123
AIR INTAKE	Turbocharged intercooler						
SPEED rpm	1500	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	947	1166	1263	1380	1563	1690	1886
PRIME POWER PRP kW	861	1055	1149	1254	1421	1537	1715
FUEL CONSUMPTION at 75% / 100% PRP L/h	171 / 229	209 / 279	225 / 300	236 / 315	280 / 373	290 / 387	329 / 439
ALTERNATOR							
TYPE	brushless	brushless	brushless	brushless	brushless	brushless	brushless
POLES	4	4	4	4	4	4	4
VOLTAGE	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT							
LENGTH (OPEN SET - SOUNDPROOF) mm	4830 - 7260	4800 - 7140	4800 - 7140	4970 - 7550	5620 - 7580	5620 - 8970	5620 - 8970
WIDTH (OPEN SET - SOUNDPROOF) mm	2050 - 2200	1800 - 2000	1800 - 2000	1800 - 2100	2200 - 2400	2780 - 3000	2780 - 3000
HEIGHT (OPEN SET - SOUNDPROOF) mm	2460 - 3450	2620 - 3700	2620 - 3700	2660 - 3700	2960 - 4000	3520 - 3820	3520 - 3820
WEIGHT (OPEN SET - SOUNDPROOF) Kg	8170 - 10110	10290 - 12150	11020 - 13260	11320 - 13560	14140 - 16450	14590 - 17750	14902 - 18064
FUEL TANK CAPACITY L	1000	1000	1000	1000	1000	1000	1000
RUNNING TIME at 75%/100% PRP h	5,8 / 4,4	4,8 / 3,6	4,3 / 3,3	4,2 / 3,2	3,6 / 2,7	3,4 / 2,6	3,0 / 2,3
NOISE PRESSURE LEVEL at 7 mt dB(A)	- / 70	- / 70	- / 70	- / 70	- / 70	- / 70	- / 70

GCW SERIES

SPECIAL SOLUTIONS



GENERATING SET	GCW1420	GCW1520	GCW1775	GCW2035	GCW2260
STAND BY POWER LTP kW/kVA	1136,0 / 1420,0	1200,0 / 1500,0	1416,0 / 1770,0	1628,0 / 2035,0	1814,0 / 2268,0
PRIME POWER PRP kW/kVA	1037,0 / 1296,0	1109,0 / 1386,0	1376,0 / 1720,0	1518,0 / 1898,0	1627,0 / 2033,0
NOMINAL VOLTAGE Volt / FREQUENCY	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3 Y	3 Y	3 Y	3 Y	3 Y
ENGINE					
BRAND	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
MODEL	512R-PTA	512R-PTA2	516R-PTA	516R-PTA2	516R-PTAA2
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	12 a V	12 a V	16 a V	16 a V	16 a V
TOTAL DISPLACEMENT cc	49030	49030	65370	65370	65370
AIR INTAKE	Turbocharged intercooler				
SPEED rpm	1500	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	1190	1285	1590	1740	1895
PRIME POWER PRP kW	1080	1165	1450	1580	1684
FUEL CONSUMPTION at 75% / 100% PRP L/h	203 / 271	225 / 300	268 / 358	307 / 409	313 / 417
ALTERNATOR					
TYPE	brushless	brushless	brushless	brushless	brushless
POLES	4	4	4	4	4
VOLTAGE	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT					
LENGTH (OPEN SET - SOUNDPROOF) mm	4380 - 7050	4380 - 7050	6200 - 8560	6200 - 8560	6200 - 10160
WIDTH (OPEN SET - SOUNDPROOF) mm	2010 - 2200	2010 - 2200	2030 - 2200	2030 - 2200	2150 - 2450
HEIGHT (OPEN SET - SOUNDPROOF) mm	2300 - 3200	2300 - 3200	2410 - 3700	2410 - 3700	2770 - 4270
WEIGHT (OPEN SET - SOUNDPROOF) Kg	10500 - 12890	11240 - 14500	12000 - 17320	14060 - 19000	14250 - 21000
FUEL TANK CAPACITY L	1000	1000	1000	1000	1000
RUNNING TIME at 75%/100% PRP h	4,9 / 3,7	4,4 / 3,3	3,7 / 2,8	3,3 / 2,4	3,2 / 2,4
NOISE PRESSURE LEVEL at 7 mt dB(A)	- / 70	- / 70	- / 70	- / 70	- / 70