

TECHNICAL DETAILS - AL PACKAGED GENSETS

GENSET MODEL		GM 10	GM 15	GM 25	GM 30	GM 40	GM 62.5	GM 82.5	GM 100	GM 125	GM 140	GM 160
RATING*	kVA	10	15	25	30	40	62.5	82.5	100	125	140	160
ENGINE MODEL		AL485 DG1	AL485 DG1	AL485TA DG3	AL485TA DG4	AL4CT DG1	AL4CTI DG2	AL4CTI DG3	AL6DTI DG1	AL6DTI DG2	AL6DTI DG3	AL6DTI DG4
Rated Power	bhp	23.5	23.5	33.5	38.88	52.28	79.09	104.56	126.01	155.5	174.26	197.05
BORE x STROKE	mm	85 X 92	85 X 92	85 X 92	85 X 92	104 X 113	104 X 113	104 X 113	104 X 113	104 X 113	104 X 113	104 X 113
DISPLACEMENT	l	2.088	2.088	2.088	2.088	3.84	3.84	3.84	5.76	5.76	5.76	5.76
GOVERNOR/CLASS		MECHANICAL/A1	MECHANICAL/A1	MECHANICAL/A1	MECHANICAL/A1	ELECTRONIC/A0	ELECTRONIC/A0	ELECTRONIC/A0	ELECTRONIC/A0	ELECTRONIC/A0	ELECTRONIC/A0	ELECTRONIC/A0
NO. OF CYLINDERS		4	4	4	4	4	4	4	6	6	6	6
COMPRESSION RATION		18:1 ± 0.5	18:1 ± 0.5	17.5:1 ± 0.5	17.5:1 ± 0.5	17.5:1 ± 0.5	16.5:1 ± 0.5	16.5:1 ± 0.5	16.5:1 ± 0.5	16.5:1 ± 0.5	16.5:1 ± 0.5	16.5:1 ± 0.5
ASPIRATION		NATURAL	NATURAL	TURBOCHARGED INTERCOOLED	TURBOCHARGED INTERCOOLED	TURBOCHARGED	TURBOCHARGED INTERCOOLED	TURBOCHARGED INTERCOOLED	TURBOCHARGED INTERCOOLED	TURBOCHARGED INTERCOOLED	TURBOCHARGED INTERCOOLED	TURBOCHARGED INTERCOOLED
COOLONG SYSTEM CAPACITY	l	6	6	9	9	13	13.5	15.5	20	20	25	25
ENGINE OIL CAPACITY	l	8.5	8.5	8.5	8.5	8.5	8.5	11	17.5	17.5	17.5	17.5
FUEL TANK CAPACITY	l	30	30	45	45	78	135	135	206	206	270	270
FUEL CONSUMPTION**	l/hr	2.35	2.95	4.8	6	7.5	11.3	13.6	17.5	21.6	24.2	27.9
FLYWHEEL HOUSING / FLYWHEEL		SAE 3/10	SAE 3/10	SAE 3/10	SAE 3/10	SAE 3/10	SAE 3/10	SAE 3/10	SAE 3/10	SAE 3/10	SAE 2/11.5	SAE 2/11.5
ALTERNATOR - AC 3PH, 415V												
ALTERNATOR MAKE		Leypower Branded Alternator - Brushless, Single bearing, IP23, Class H insulation										
VOLTAGE	V	415	415	415	415	415	415	415	415	415	415	415
CURRENT	A	13.9	20.9	34.8	41.7	55.6	86.9	114.7	139.0	173.8	194.6	222.4
FREQUENCY	Hz	50	50	50	50	50	50	50	50	50	50	50
SYSTEM VOLTAGE	VDC	12	12	12	12	12	12	12	12	12	24	24
BATTERY (HBL / EQUIV)	Nos	1	1	1	1	1	1	1	1	1	2	2
BATTERY CAPACITY	AH	90	90	90	90	90	90	90	90	90	90	90
PACKAGE DIMENSION												
LENGTH	mm	1850	1850	1900	1900	2500	2800	2800	3300	3300	3900	3900
WIDTH	mm	900	900	900	900	1100	1200	1200	1250	1250	1350	1350
HEIGHT with muffler	mm	1675	1675	1340	1340	1790	1795	1795	2050	2050	2205	2205
WEIGHT	kg	637	676	723	744	1086	1350	1410	1874	1874	2176	2176
INSULATION		FOAM	FOAM	FOAM	FOAM	FOAM	FOAM	FOAM	FOAM	FOAM	FOAM	FOAM

* Power rating as per BS5514 / ISO3046 / ISO8528 SFC & FC in Lit with ± 5% Tolerance

**Fuel consumption of Genset @75% of load is considered specific gravity of fuel as 0.8535 at NTP condition. Tolerance will be +5%

Specifications subject to vary without intimation as part of continuous improvement

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