

# Lombardini Gen-Set Specification

## Engine Rating Guide

<b>ELECTRICAL POWER AT 3600 RPM</b>								
ENGINE TYPE	ENGINE MODEL	NB RATING (INTERMITTENT) ISO 3046 IFN KW-Hp	GIVEN ALTERNATOR EFFICIENCY (%)	ELECTRICAL POWER				FLANGING
				INTERMITTENT		CONTINUOUS		
				KVA	KW	KVA	KW	
GASOLINE LIQUID COOLED	LGW 627	14.40 - 19.60	85	15.3	12.2	13.7	11	SAE 5 - 6.5"
GASOLINE AIR COOLED	LGA 226	3.60 - 4.90	80	3.6	2.9	3.3	2.6	SAE j609
	IM 359	5.80 - 7.88	80	5.8	4.6	5.5	4.4	SAE j609
	LGA 280 OHC	6.30 - 8.57	80	6.0	4.8	5.7	4.6	SAE j609
	LGA 340 OHC	7.70 - 10.47	80	7.7	6.1	7.3	5.8	SAE j609
DIESEL AIR COOLED	15 LD 225	3.30 - 5.00	75	3.1	2.5	2.9	2.3	SAE j609
	15 LD 315	4.60 - 6.25	80	4.6	3.6	4.1	3.3	SAE j609
	15 LD 350	5.10 - 6.93	80	5.1	4.1	4.7	3.8	SAE j609
	6 LD 400	5.90 - 8.02	80	5.9	4.7	5.4	4.3	SAE j609
	15 LD 400 (A)	6.80 - 9.24	80	6.7	5.4	6.0	4.8	SAE j609
	6 LD 435	6.70 - 9.11	82	6.9	5.5	6.3	5.0	SAE j609
	15 LD 440 (A)	7.40 - 10.06	82	7.5	6.0	6.8	5.4	SAE j609
	12 LD 435 - 2	13.20 - 17.95	85	14.0	11.2	13.0	10.4	CONO Ø 30*
DIESEL LIQUID COOLED	LDW 602 FOCS	11.00 - 14.95	85	11.7	9.3	8.4	9.2	SAE 5 - 6.5"
	LDW 702 FOCS <i>Plus</i>	12.00 - 16.30	85	12.7	10.2	11.5	9.2	SAE 5 - 6.5"
	LDW 903 FOCS	16.05 - 22.44	85	17.5	14.0	15.7	12.6	SAE 5 - 6.5"
	LDW 1003 FOCS <i>Plus</i>	17.50 - 23.80	85	18.6	14.9	16.7	13.4	SAE 5 - 6.5"
	LDW 1204 FOCS	22.00 - 29.92	85	23.4	18.7	21.0	16.8	SAE 5 - 6.5"
	LDW FOCS 1404 <i>Plus</i>	24.00 - 32.60	85	25.2	20.4	23.0	18.4	SAE 5 - 6.5"
	LDW FOCS 1204/T	28.50 - 38.76	85	30.0	24.2	27.2	21.8	SAE 5 - 6.5"

Power rated according to ISO 3046 IFN rules, after running -in period  
 + / - 5% allowance is to be considered on above rated power outputs  
 Continuous power output can be overloaded by 10 %.  
 Intermittent power output cannot be overloaded  
 Regarding liquid cooled engines, the power output is considered for engines complete with fan

**\* SAE 5 - 6.5" by request**  
  
**(A) PRODUCTION 2003**

# ELECTRICAL POWER AT 1800 RPM



ENGINE TYPE	ENGINE MODEL	NB RATING (INTERMITTENT) ISO 3046 IFN KW-Hp	GIVEN ALTERNATOR EFFICIENCY	ELECTRICAL POWER				FLANGING
				INTERMITTENT		CONTINUOUS		
				KVA	KW	KVA	KW	
<b>GASOLINE LIQUID COOLED</b>	LGW 627	8.50 - 11.60	85	9.0	7.2	8.1	6.5	SAE 5 - 6.5"
<b>DIESEL AIR COOLED</b>	4 LD 820	8.27 - 11.24	81	8.4	6.7	7.6	6.1	CONO Ø 30
	9 LD 625 - 2	13.53 - 18.40	85	14.4	11.5	12.8	10.3	SAE 4 - 7.5"
	5 LD 825 - 2/L	16.91 - 22.99	86	18.2	14.5	16.2	13.0	SAE 4 - 7.5"
	11 LD 626 - 3	20.07 - 27.29	85	21.3	17.1	19.2	15.4	SAE 4 - 7.5"
	5 LD 825 - 3/L	25.00 - 34.00	89	27.8	22.3	25.4	20.3	SAE 3 - 11.5"
	5 LD 930 - 3	30.15 - 41.00	89	33.5	26.8	31.9	25.5	SAE 3 - 11.5"
	5 LD 825 - 4/L	33.80 - 45.96	93	39.3	31.4	35.0	28.0	SAE 3 - 11.5"
	5 LD 930 - 4	40.80 - 55.48	93	47.4	37.9	45.2	36.2	SAE 3 - 11.5"
<b>DIESEL LIQUID COOLED</b>	LDW 602 FOCS	6.00 - 8.16	85	6.5	5.1	5.8	4.6	SAE 5 - 6.5"
	LDW 702 FOCS <i>Plus</i>	6.50 - 8.80	85	6.9	5.5	6.2	4.9	SAE 5 - 6.5"
	LDW 903 FOCS	9.00 - 12.24	85	9.5	7.7	8.6	6.9	SAE 5 - 6.5"
	LDW 1003 FOCS <i>Plus</i>	10.00 - 13.60	85	10.6	8.5	9.6	7.6	SAE 5 - 6.5"
	LDW 1204 FOCS	12.00 - 16.32	85	12.5	10.2	11.3	9.3	SAE 5 - 6.5"
	LDW 1404 FOCS <i>Plus</i>	13.00 - 17.70	85	13.8	11	12.5	10	SAE 5 - 6.5"
	LDW 1204/T FOCS	15.50 - 21.08	85	16.5	13.2	14.9	11.9	SAE 5 - 6.5"
	LDW 1503 CHD	16.00 - 21.76	86	17.2	13.8	15.5	12.42	SAE 5 - 7.5"
	LDW 2004 CHD	21.00 - 28.56	86	22.5	18	20.3	16.2	SAE 5 - 7.5"
	LDW 2204 CHD <i>Plus</i> (A)	22.50 - 30.60	86	24.0	19.3	21.7	17.4	SAE 5 - 7.5"
	LDW 2004/T CHD	27.00 - 36.72	86	29.0	23.2	26.2	21	SAE 5 - 7.5"
	LDW 2204/T CHD <i>Plus</i> (A)	29.00 - 39.00	86	31.2	25.0	28.1	22.5	SAE 5 - 7.5"

Power rated according to ISO 3046 IFN rules, after running -in period  
+ / - 5% allowance is to be considered on above rated power outputs  
Continuous power output can be overloaded by 10 %.  
Intermittent power output cannot be overloaded  
Regarding liquid cooled engines, the power output is considered for engines complete with fan

\* SAE 5 - 6.5" by request

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# ELECTRICAL POWER AT 3000 RPM



ENGINE TYPE	ENGINE MODEL	NB RATING (INTERMITTENT) ISO 3046 IFN KW-Hp	GIVEN ALTERNATOR EFFICIENCY	ELECTRICAL POWER				FLANGING
				INTERMITTENT		CONTINUOUS		
				KVA	KW	KVA	KW	
<b>GASOLINE LIQUID COOLED</b>	LGW 627	13.40 - 18.20	85	14.2	11.4	12.8	10.2	SAE 5 - 6.5"
<b>GASOLINE AIR COOLED</b>	LGA 226	3.20 - 4.30	80	3.2	2.6	3.0	2.4	SAE j609
	LGA 280 OHC	5.60 - 7.62	80	5.6	4.5	5.1	4.1	SAE j609
	LGA 340 OHC	6.90 - 9.38	80	6.9	5.5	6.6	5.3	SAE j609
<b>DIESEL AIR COOLED</b>	15 LD 225	3.00 - 4.80	75	2.8	2.2	2.6	2.1	SAE j609
	15 LD 315	4.00 - 5.44	80	4.0	3.2	3.6	2.9	SAE j609
	15 LD 350	4.65 - 6.32	80	4.6	3.7	4.3	3.5	SAE j609
	6 LD 400	5.50 - 7.48	80	5.5	4.4	5.0	4.0	SAE j609
	15 LD 400	6.20 - 8.43	80	6.2	5.0	5.6	4.5	SAE j609
	6 LD 435	6.43 - 8.74	82	6.6	5.3	5.9	4.8	SAE j609
	15 LD 440 (A)	6.80 - 9.25	82	7.0	5.6	6.2	5.0	SAE j609
	3 LD 510	7.35 - 9.99	82	7.5	6.0	6.8	5.4	CONO Ø 24
	7 LD 665	9.90 - 13.46	85	10.5	8.4	9.8	7.8	CONO Ø 30
	12 LD 435 - 2	12.65 - 17.20	85	13.4	10.8	12.1	9.7	SAE j609
	12 LD 475 - 2	14.85 - 20.19	85	15.8	12.6	14.4	11.5	SAE j609
	9 LD 625 - 2	19.12 - 26.00	85	20.3	16.3	18.8	15.0	** STD LOMBARDINI
11 LD 626 - 3	28.67 - 38.99	85	30.5	24.4	27.9	22.3	** STD LOMBARDINI	
<b>DIESEL LIQUID COOLED</b>	LDW 602 FOCS	10.5 - 14.28	85	11.0	8.9	10.0	8.0	SAE 5 - 6.5"
	LDW 702 FOCS <i>Plus</i>	11.50 - 15.60	85	12.2	9.7	10.9	8.7	SAE 5 - 6.5"
	LDW 903 FOCS	15.5 - 21.08	85	16.5	13.2	15.0	12.0	SAE 5 - 6.5"
	LDW 1003 FOCS <i>Plus</i>	16.50 - 22.40	85	17.5	14	15.7	12.6	SAE 5 - 6.5"
	LDW 1204 FOCS	21.0 - 28.56	85	22.3	17.8	20.0	16.0	SAE 5 - 6.5"
	LDW 1404 FOCS <i>Plus</i>	23.00 - 31.30	85	24.5	19.5	21.9	17.5	SAE 5 - 6.5"
	LDW 1204/T FOCS	27.50 - 37.40	85	29.0	23.4	26.5	21.3	SAE 5 - 6.5"
	LDW 1503 CHD	25.00 - 34.00	86	26.8	21.5	24.2	19.3	SAE 4 - 7.5"
	LDW 2004 CHD	33.00 - 44.88	86	35.5	28.4	32.0	25.5	SAE 4 - 7.5"
	LDW 2204 CHD <i>Plus</i> (A)	35.00 - 47.60	86	37.6	30.1	33.7	27	SAE 4 - 7.5"
	LDW 2004/T CHD	43.00 - 58.48	86	46.2	37	42.0	33.5	SAE 4 - 7.5"
	LDW 2204/T CHD <i>Plus</i> (A)	46.00 - 62.50	86	49.5	39.6	44.5	35.06	SAE 4 - 7.5"

Power rated according to ISO 3046 IFN rules, after running -in period  
 + / - 5% allowance is to be considered on above rated power outputs  
 Continuous power output can be overloaded by 10 %.  
 Intermittent power output cannot be overloaded  
 Regarding liquid cooled engines, the power output is considered for engines complete with fan

**\*by request SAE 5-6.5"**  
**\*\* by request SAE 4 - 7.5"**

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## ELECTRICAL POWER AT 1500 RPM



ENGINE TYPE	ENGINE MODEL	NB RATING (INTERMITTENT) ISO 3046 IFN KW-Hp	GIVEN ALTERNATOR EFFICIENCY	ELECTRICAL POWER				FLANGING
				INTERMITTENT		CONTINUOUS		
				KVA	KW	KVA	KW	
<b>GASOLINE LIQUID COOLED</b>	LGW 627	6.5 - 8.8	85	6.9	5.5	6.2	5	SAE 5 - 6.5"
<b>DIESEL AIR COOLED</b>	4 LD 820	6.70 - 9.11	81	6.8	5.4	6.1	4.9	CONO Ø 30
	9 LD 625 - 2	10.73 - 14.59	85	11.4	9.1	10.4	8.3	SAE 4 - 7.5"
	5 LD 825 - 2/L	13.70 - 18.63	86	14.7	11.8	13.0	10.4	SAE 4 - 7.5"
	11 LD 626 - 3	16.70 - 22.71	85	17.7	14.2	15.4	12.3	SAE 4 - 7.5"
	5 LD 825 - 3/L	20.70 - 28.15	89	23.0	18.4	20.6	16.5	SAE 3 - 11.5"
	5 LD 930 - 3	24.50 - 33.32	89	27.3	21.8	26.2	20.9	SAE 3 - 11.5"
	5 LD 825 - 4/L	28.00 - 38.08	93	32.6	26.0	29.5	23.6	SAE 3 - 11.5"
	5 LD 930 - 4	33.82 - 45.99	93	39.3	31.5	36.8	29.4	SAE 3 - 11.5"
<b>DIESEL LIQUID COOLED</b>	LDW 602 FOCS	5.00 - 6.80	80	5.0	4.0	4.5	3.6	SAE 5 - 6.5"
	LDW 702 FOCS <i>Plus</i>	5.50 - 7.5	80	5.5	4.4	5.0	4.0	SAE 5 - 6.5"
	LDW 903 FOCS	7.50 - 10.2	80	7.5	6.0	7.0	5.5	SAE 5 - 6.5"
	LDW 1003 FOCS <i>Plus</i>	8.50 - 11.50	80	8.5	6.8	7.6	6.1	SAE 5 - 6.5"
	LDW 1204 FOCS	10.00 - 13.6	85	10.5	8.5	9.5	7.5	SAE 5 - 6.5"
	LDW 1404 FOCS <i>Plus</i>	11.00 - 15.00	85	11.6	9.3	10.5	8.4	SAE 5 - 6.5"
	LDW 1204/T FOCS	13.00 - 17.68	85	14.0	11.0	12.5	10.0	SAE 5 - 6.5"
	LDW 1503 CHD	13.50 - 18.36	86	14.5	11.5	12.5	10.0	SAE 5 - 7.5"
	LDW 2004 CHD	18.00 - 24.48	86	19.3	15.5	17.5	14.0	SAE 5 - 7.5"
	LDW 2204 CHD <i>Plus</i>	19.50 - 26.50	86	21.0	16.8	19.5	15.1	SAE 5 - 7.5"
	LDW 2004/T CHD	23.00 - 31.28	86	24.7	19.8	22.5	18.0	SAE 5 - 7.5"
	LDW 2204/T CHD <i>Plus</i>	24.50 - 33.30	86	26.2	21.0	23.8	19.0	SAE 5 - 7.5"

Power rated according to ISO 3046 IFN rules, after running -in period  
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 Continuous power output can be overloaded by 10 %.  
 Intermittent power output cannot be overloaded  
 Regarding liquid cooled engines, the power output is considered for engines complete with fan

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