



FZ6001zh-2011.07/a

Alternators 发电机

LSAP - 4 Pole

Leroy Somer Electro-Technique (Fuzhou) Co., Ltd.
利莱森玛电机科技（福州）有限公司

Common Data

通用数据

Insulation 绝缘等级	H	Excitation System 励磁系统	Shunt
Winding Pitch 绕组节距	2/3	AVR Model 自动电压调节器 (1)	R201/203
Leads 引出线	6	Voltage regulation 电压调整率(2)	± 1%
Drip Proof 防护等级	IP 23	Altitude 海拔	≤ 1000m

(1) R201适用于LSAP42-44, R203适用于LSAP40.
(2) Steady state duty. 稳态值.

Ratings 50Hz - 1500RPM kVA/kW - Power Factor = 0.8

50Hz - 1500RPM 功率 kVA /kW - 功率因数 = 0.8

Duty 工作制 T°C		Continuous 持续 40°C			Stand-by 备用 27°C			Eff. 效率 (%) Full Load 全负载
Class 温升等级 T°K		H/125°K			H/150°K			
Phase 相数		3ph			3ph			
Voltage 电压	Y	380V	400V	415V	380V	400V	415V	
	Δ	220V	230V	240V	220V	230V	240V	
LSAP 40 C	kVA	10			10.5			83.2
	kW	8			8.4			
LSAP 40 D	kVA	12.5			13.5			84.7
	kW	10			10.8			
LSAP 40 E	kVA	15			16			85.4
	kW	12			12.8			
LSAP 40 F	kVA	17.5			19			86.9
	kW	14			15.2			
LSAP 40 G	kVA	20			22			87.1
	kW	16			17.2			
LSAP 42 C	kVA	25			27			87.2
	kW	20			21.4			
LSAP 42 D	kVA	30			33			88.5
	kW	24			25.2			
LSAP 42 E	kVA	35			37.5			88.9
	kW	28			30			
LSAP 43 C	kVA	40			44			88.5
	kW	32			35			
LSAP 43 D	kVA	50			55			88.1
	kW	40			42			
LSAP 43 E	kVA	63			66			88.4
	kW	50			52.8			
LSAP 43 F	kVA	80			88			90.5
	kW	64			67			
LSAP 44 C	kVA	94			100			91.2
	kW	75			80			
LSAP 44 D	kVA	113			125			92
	kW	90			100			
LSAP 44 E	kVA	125			131			91.5
	kW	100			105			
LSAP 44 F	kVA	137.5			143			91.6
	kW	110			114			
LSAP 44 G	kVA	150			165			92.2
	kW	120			125			
LSAP 44 H	kVA	168			174			92.6
	kW	135			139			



Common Data

通用数据

Insulation 绝缘等级	H	Excitation System 励磁系统	Shunt
Winding Pitch 绕组节距	2/3	AVR Model 自动电压调节器 (1)	R201/203
Leads 引出线	6	Voltage regulation 电压调整率 (2)	±1%
Drip Proof 防护等级	IP 23	Altitude 海拔	≤1000m

(1) R201适用于LSAP42-44, R203适用于LSAP40.
 (2) Steady state duty, 稳态值.

Ratings 60Hz - 1800RPM

kVA/kW - Power Factor = 0.8

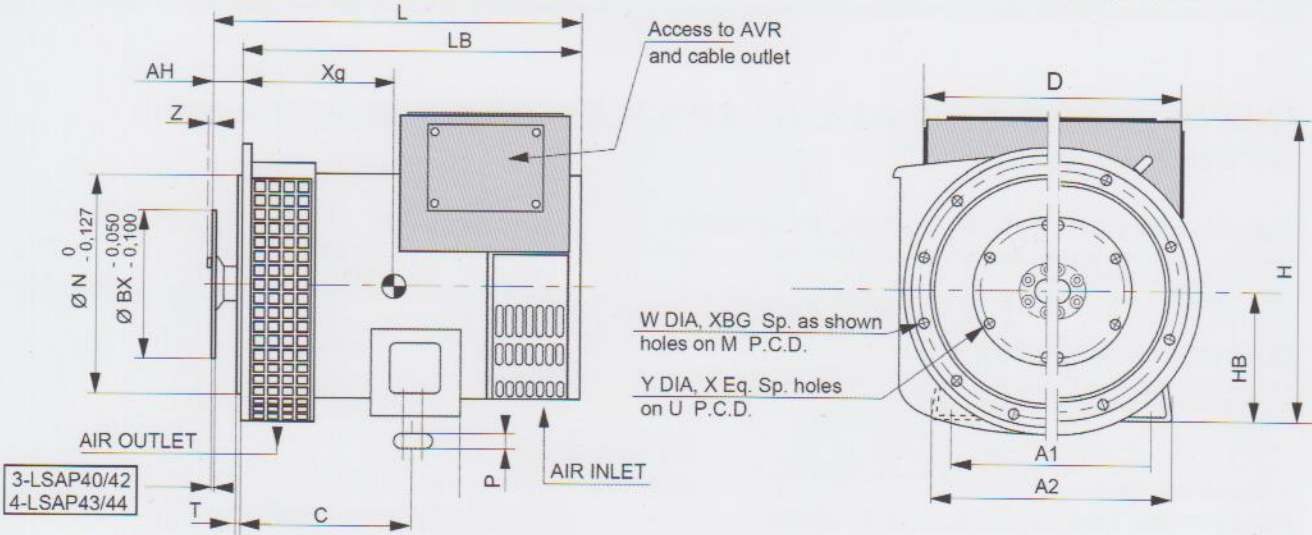
60Hz - 1800RPM 功率

kVA /kW - 功率因数 = 0.8

Duty 工作制 T°C		Continuous 持续 40 °C			Stand-by 备用 27 °C			Eff. 效率 (%) Full Load 全负载
Class 温升等级 T°K		H/125°K			H/150°K			
Phase 相数		3ph			3ph			
Voltage 电压	Y	440V	220V	480V	440V	220V	480V	
	Δ	254V	127V	277V	254V	127V	277V	
LSAP 40 C	kVA	11.5	12.5	12.5	12.2	14	14	84.1
	kW	9.2	10	10	9.8	11.2	11.2	
LSAP 40 D	kVA	14.5	15.5	15.5	15.7	17	17	85.6
	kW	11.6	12.4	12.4	12.6	13.6	13.6	
LSAP 40 E	kVA	17.5	19	19	18.7	21	21	86.2
	kW	14	15.2	15.2	15	16.8	16.8	
LSAP 40 F	kVA	20.4	22	22	22	24.5	24.5	87.1
	kW	16.3	17.6	17.6	17.8	19.6	19.6	
LSAP 40 G	kVA	23.3	25	25	28	27.5	27.5	87.7
	kW	18.7	20	20	20	22	22	
LSAP 42 C	kVA	29	30	30	31.5	35	35	87.5
	kW	23.3	24	24	25	28	28	
LSAP 42 D	kVA	35	35	35	36.7	40	40	89.4
	kW	28	28	28	29.4	32	32	
LSAP 42 E	kVA	41	40	40	43.7	45	45	89.7
	kW	32.7	32	32	35	36	36	
LSAP 43 C	kVA	46.6	50	50	51	59	59	89
	kW	37	40	40	41	47	47	
LSAP 43 D	kVA	58	63	63	61.8	73	73	89.1
	kW	46.6	50	50	49.5	58	58	
LSAP 43 E	kVA	73.5	75	75	77	78	78	89.6
	kW	58.8	60	60	61.5	62	62	
LSAP 43 F	kVA	93	95	95	98	107	107	91.1
	kW	75	76	76	78	86	86	
LSAP 44 C	kVA	110	113	113	116.5	120	120	91.4
	kW	88	90	90	93	96	96	
LSAP 44 D	kVA	132	135	135	146	150	150	92
	kW	105	108	108	116	120	120	
LSAP 44 E	kVA	146	155	155	153	168	168	91.8
	kW	116.8	124	124	122	135	135	
LSAP 44 F	kVA	160	169	169	172	187	187	91.6
	kW	128	135	135	138	150	150	
LSAP 44 G	kVA	175	188	188	185	200	200	92.3
	kW	140	150	150	148	160	160	
LSAP 44 H	kVA	196	206	206	203	225	225	92.8
	kW	156.8	165	165	162	180	180	

Single Bearing Dimensions

单轴承外形尺寸



Frame Dimensions (mm)

外形尺寸 mm

TYPE	L	LB	C	P	Xg	H	HB	D	A1	A2	Weight kg
LSAP 40 C	467	405	203	14	186	370	160	349	230	264	75
LSAP 40 D	467	405	203	14	196	370	160	349	230	264	80
LSAP 40 E	497	435	203	14	204	370	160	349	230	264	87
LSAP 40 F	497	435	203	14	221	370	160	349	230	264	92
LSAP 40 G	514	455	203	14	221	370	160	349	230	264	102
LSAP 42 C	510	408	260	14	220	395	180	358	279	340	125
LSAP 42 D	565	503	260	14	240	395	180	358	279	340	155
LSAP 42 E	595	503	260	14	260	395	180	358	279	340	155
LSAP 43 C	627	565	332.5	14.5	270	520	225	456	356	423	210
LSAP 43 D	627	565	332.5	14.5	278	520	225	456	356	423	230
LSAP 43 E	662	600	332.5	14.5	295	520	225	456	356	423	260
LSAP 43 F	747	685	332.5	14.5	340	520	225	456	356	423	320
LSAP 44 C	755	685	405	20	335	591	270	518	406	537	385
LSAP 44 D	815	745	405	20	365	591	270	518	406	537	430
LSAP 44 E	815	745	405	20	365	591	270	518	406	537	440
LSAP 44 F	815	745	405	20	365	591	270	518	406	537	450
LSAP 44 G	875	805	405	20	395	591	270	518	406	537	495
LSAP 44 H	935	865	405	20	420	591	270	518	406	537	550

Flange Dimensions (mm)

法兰尺寸 mm

	N	M	T	XBG	ØW
SAE5	314.32	338.38	5	8	11
SAE4	361.95	381	5	10	11
SAE3	409.58	428.62	6	10	11
SAE2	447.68	466.72	6	10	11
SAE1	511.18	530.22	6	12	12.5

Flex Plate Dimensions (mm)

驱动片尺寸 mm

SAE	BX	U	X	Y	H	Z (LSAP40/42)	Z (LSAP43/44)
11 1/2	352.42	333.38	8	11	39.6	0	30
10	314.32	295.28	8	11	53.8	0	25
8	263.52	244.48	8	11	62	0	25
7 1/2	241.3	222.25	8	9	30.2	5	-
6 1/2	215.9	200.02	8	9	30.2	5	-

Modifications to standard dimensions may be available by special order. Please contact Leroy Somer Electro-Technique (Fuzhou) Co., Ltd.

如需详细的图纸或特殊要求, 请联系利莱森玛电机科技(福州)有限公司

Alternators LSAP - 4 Pole

LSAP alternator is designed to be suitable for general applications

LSAP发电机设计用于一般应用场合。

COMPLIANT WITH INTERNATIONAL STANDARDS

LSAP alternator conforms to the main international standards and regulations:

- IEC 60034, ISO 8528/3,
- LSAP is designed, manufactured and marketed in ISO 9001 and ISO 14001 environment.

ELECTRICAL PERFORMANCE

- Class H insulation
- 6 lead wire, 2/3 pitch
- Voltage range:
 - 50 Hz: 220 V - 240 V and 380 V - 415 V
 - 60 Hz: 220 V - 240 V and 440 V - 480 V
- Total harmonic distortion < 5% (full load)

EXCITATION AND REGULATION SYSTEM

- R201/R203 AVR for SHUNT excitation system
- AVR voltage accuracy $\pm 1\%$

PROTECTION SYSTEM

- LSAP is IP 23 standard
- Standard winding protection for clean environments with relative humidity $\leq 95\%$

Options:

- 6 Flying leads, loose supply AVR
- Space heater
- PTC

REINFORCED MECHANICAL STRUCTURE

- Compact rigid assembly
- Steel frame
- G2.5 rotor balancing
- Single bearing only
- Greased for life bearing
- Cast iron or Alu. flanges and shields

符合多项国际标准

LSAP系列发电机符合主要国际标准和规范:

- IEC 60034, ISO 8528/3
- LSAP系列发电机是在ISO9001和ISO14001认证的环境下设计、制造和推广的。

电气性能

- H级绝缘
- 6根引出线, 2/3节距
- 电压范围:
 - 50Hz: 220V - 240 V, 380 V - 415 V
 - 60Hz: 220V - 240 V, 440 V - 480 V
- 总谐波分量 < 5% (满载)

满足不同使用要求的励磁和电压调节系统

- R201/R203自动调节器
- 电压调节精度: $\pm 1\%$

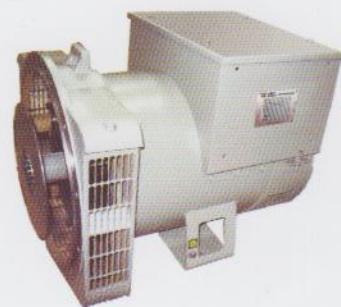
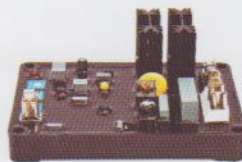
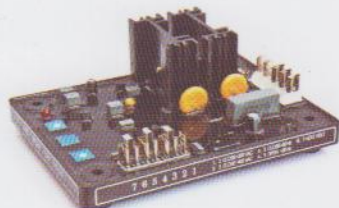
适合不同环境的防护系统

- LSAP系列发电机是标准IP23防护
- 发电机绕组的标准防护可适用于相对湿度 $\leq 95\%$ 的清洁环境
可选用:

- 6根引出线, 不带端子箱与AVR
- 空间加热器
- PTC测温探头

应用于有限元模型后强化的机械结构

- 更紧凑结构
- 钢制机座
- G2.5等级的转子平衡
- 只有单轴承供应
- 密封长效轴承
- 铸铁或铝前后端盖



Products and materials shown in this catalog may, at any time, be modified in order to follow the latest technical developments, improve the design or change conditions of utilization.

随着最新技术的发展、设计的提高以及应用条件的变化, 本样本所列的产品和数据将随时可能修改。