

LSA 42.2

LSA 43.2

LSA 44.2

**Alternator range
from 17.5 to 200 kVA**



GENERAL CHARACTERISTICS

The **LSA 42.2**, **LSA 43.2** and **LSA 44.2** alternators are products of the **LEROY-SOMER** industrial low voltage range.

Designed to meet the evolution of market needs of generating sets, the **LSA 42.2**, **LSA 43.2** and **LSA 44.2** products are three- or monophase brushless alternators, self-excited, self-regulated, supplied with electronic regulator, 12 wires, winding pitch 2/3, IP23 protection.

Different versions are available :

● **LSA 42.2 :**

- 2 pole version : 3000 mn-1 / 50 Hz - 27 to 50 kVA
3600 mn-1 / 60 Hz - 34 to 62.5 kVA
- 4 pole version : 1500 mn-1 / 50 Hz - 17.5 to 31.5 kVA
1800 mn-1 / 60 Hz - 22 to 38 kVA

● **LSA 43.2 :**

- 4 pole version : 1500 mn-1 / 50 Hz - 35 to 75 kVA
1800 mn-1 / 60 Hz - 42 to 90 kVA

● **LSA 44.2 :**

- 4 pole version : 1500 mn-1 / 50 Hz - 90 to 165 kVA
1800 mn-1 / 60 Hz - 108 to 200 kVA

Their increased electrical performances (efficiency, reactive impedance and starting capacity of electrical motors) make them the best industrial products in this domain.

Excitation systems :

● **LSA 42.2** is available with 2 different excitation systems according to the customer's needs :

- Shunt, without short-circuiting power
- AREP, with short-circuiting power

● **LSA 43.2** and **LSA 44.2** are available with 3 different excitation systems according to the customer's needs :

- Shunt, without short-circuiting power
- PMG, with short-circuiting power by adding a PMG on a machine with shunt excitation
- AREP, with short-circuiting power by auxiliary windings

LSA 42.2, **LSA 43.2** and **LSA 44.2** are very compact alternators designed to mechanically adapt to the main types of thermal motors. They are available with single or double bearing. Their modular design enables to perfectly meet particular electrical or mechanical specifications.

These high range characteristics make **LSA 42.2**, **LSA 43.2** and **LSA 44.2** alternators the reference products on the market.