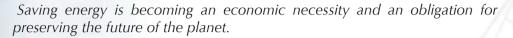


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CONTROLLING ENERGY IN MOTORISED APPLICATIONS



Energy savings, these concern everyone!



It concerns the whole of industry: electric motors account for almost 70% of the power consumption in industry and over 33% in the service sector.

Drive systems represent a source for major savings.





Electric

Industry

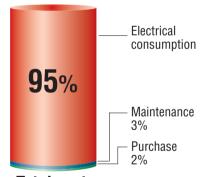
Service sector

Global electricity consumption

The purchase price of a motor and its maintenance cost are negligible over 10 years.

This is because power consumption accounts for over 95% of the total cost!

It is therefore important to reduce the energy bill for existing installations by investing in technologies that are less greedy in terms of electricity.



Total cost of an induction motor over 10 years

Savings opportunities

Existing installation or

new equipment Technical choice
+
characteristics of
all items
=
Consumption in

Evaluation
Measurements

-€co €nergy solutions

Report

Field of activity

Reduction

of your electricity bill by up to 40%



Save kWh ... on your drive systems

Increase the efficiency of fixed-speed motorised applications

INDUCTION MOTORS

Leroy-Somer will reduce your power consumption with two new ranges of high-efficiency induction motors, bearing the labels Eff1 and Eff2 in accordance with the European agreement. Above 90 kW, Leroy-Somer motors offer levels of efficiency of between 95 and 98%.

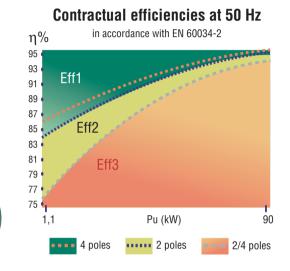


Reference ranges LS - FLS



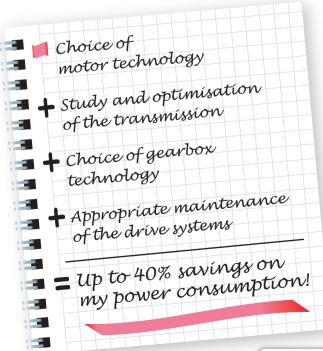
ranges LS ES - FLS ES





GEARED MOTORS

For fixed or variable speed drives, Leroy-Somer offers the new generation high-efficiency 3000 ranges. These ranges, with coaxial, parallel or orthogonal output, are designed to optimise the transmission, according to the application and mechanical abilities of the machine.

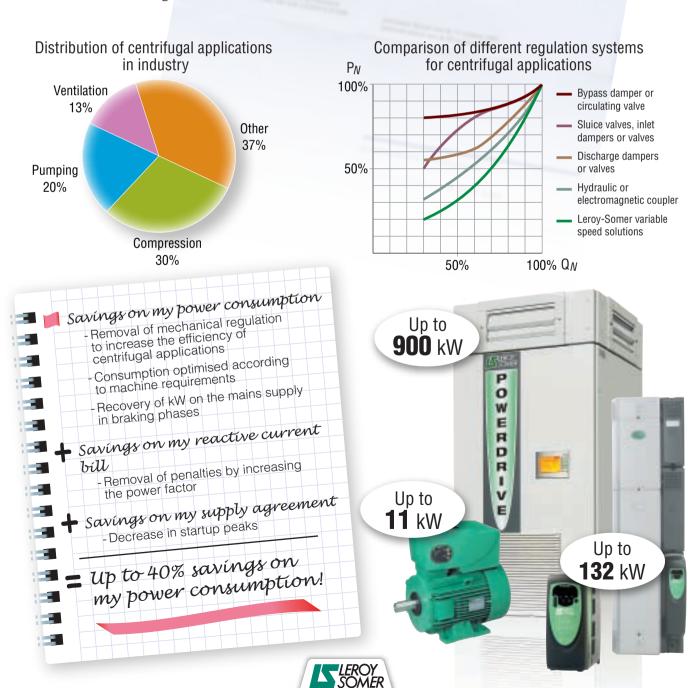




Increase the efficiency of motorised applications, by variable speed solutions

Solutions using Leroy-Somer variable speed drive systems bring:

- Immediate financial savings on your power consumption
- Better supply agreement terms from energy suppliers
- An increase in your productivity
- Reliability of your processes, through the elimination of surges and slip, integrated motor protection, storing and monitoring of events and maintenance management.





Your energy bill ...

Where can you make savings quickly?

In the following applications:

➤ Centrifugal applications: pumping, ventilation

 Applications with mechanical regulation: dampers, sluice valves and slide valves for compressors

➤ Applications accumulating a high installed power

▶ Applications operating in continuous duty

 Applications restoring energy on braking resistors: centrifuges, lifting, winding, unwinding

 Applications whose mechanical design gives poor efficiency



Reducing your energy bill:

ENERG PAYBACK FO	ETIC PRE-I	DIAGNOSI CICIENCY I	S MOTORS		SO	MER
РАТВАСКТ				EFF 5		Er
	Customer	Dupontex				
Project		ECOTOP				
	Date computed	13/07/2007				
			er data)	75	kW	
Application data ((depending	on custom	Output power	10	-	
			Average motor loading	8700	4-	
1			Annual running time	- 00	+	
1			Cost per kW	0.0		
Comparative m	High efficie		Motor typ		5.4 9	
			Efficiency (supplier on Pr	ice 10	835	
	Markow with	n lower effici	ency	vpe HA 280		
	MOTOLANI	Motor with lower emotors y Motor by			94.4	%
			Ellica	Sherj		
					507	€
ba			t - ving on energy	cost		Alexo.
Results			Annual saving on energy	cost k time	19	months
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MOTEURS LEROY-SOMER 16015 ANGOULÊME CEDEX - FRANCE

338 567 258 RCS ANGOULÊME Limited company with capital of €62,779,000