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Simply fits –
SIMOTICS FL

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SIMOTICS FL

Simply fits your needs

When you have a standard application in a safe industrial environment, our SIMOTICS FL (Flow Line) motors are an excellent option if you don't want to compromise on quality or performance. You may want to move fluids, air or materials and want a set of motors that are easy to configure, install and operate. Motors that you know you can simply rely upon to do their job, day-in, day-out.

Designed for standard applications

As part of the SIMOTICS motor family, Flow Line (FL) motors adhere to the latest IEC standards and European regulations, and are in IE3 efficiency class and CE marking. They are available in an aluminum or cast-iron casing, depending on the shaft height.

For reliable and easy operation

These motors are of a proven design that is especially good at a regular and recurring task reliably and efficiently as part of a fleet. They cover a large amount of the standard requirements of most industries.



Water pumping station



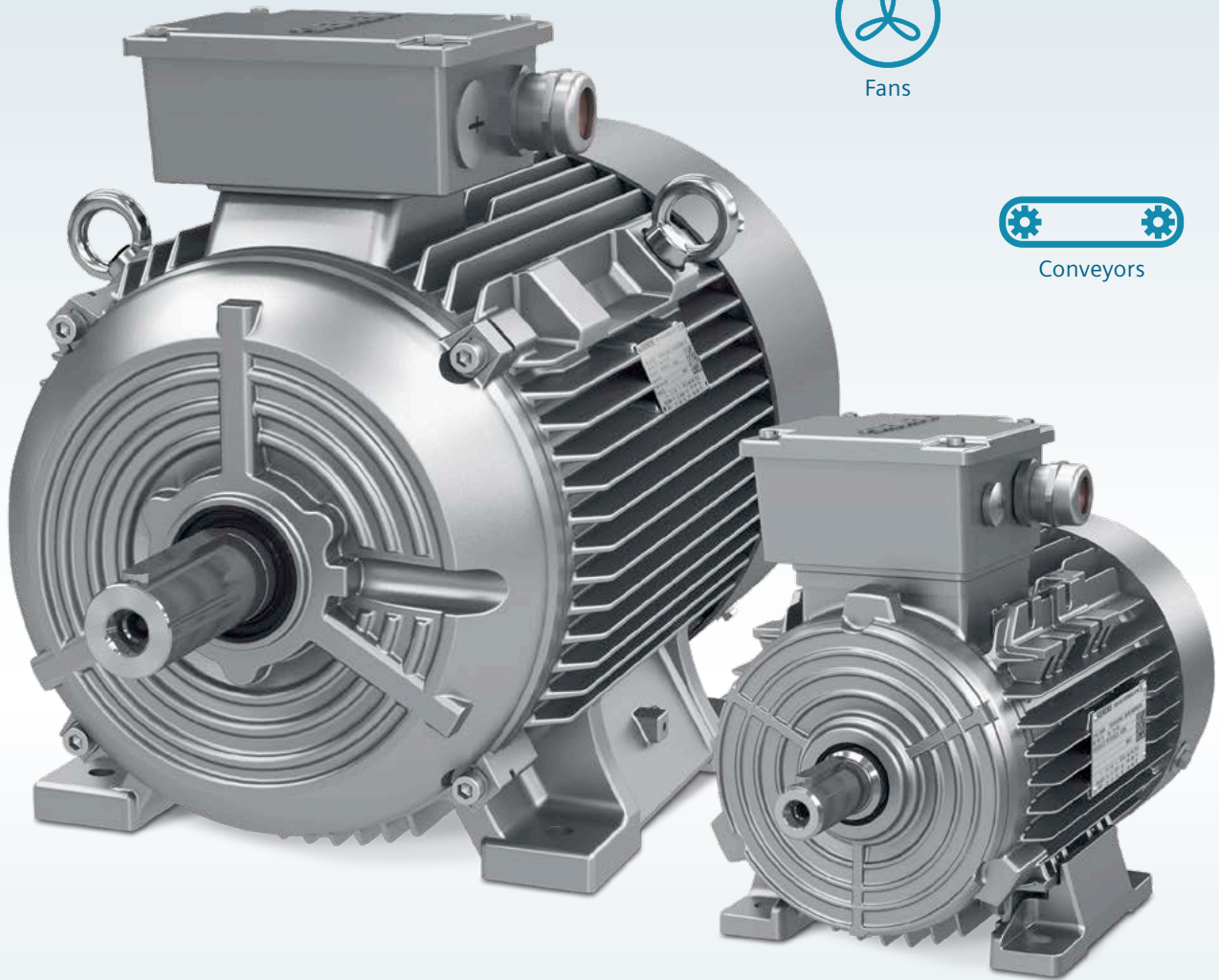
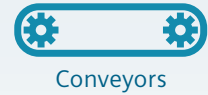
Wastewater treatment plant



Building ventilation



Material handling



Technical Data

Housing material	Aluminum	Cast Iron
Frame size	80 – 160	180 – 225
Rated power output	0.55 – 18.5 kW	15 – 45 kW
Poles	2, 4, 6	
Rated voltage / frequency ¹⁾	230 VΔ / 400 VY, 400 VΔ / 690 VY, 50 Hz	
Efficiency ²⁾	IE3	
Insulation	155(F) / 130(B) ³⁾	
Type of construction ¹⁾	B3	
Protection degree	IP55	
Cooling method	IC411	
MLFB	1LE0 323 ...	1LE0 023 ...

1) Further options, please refer to the catalog

2) IE3 according to IEC 60034-30-1 and EU directive (EC) No 640/2009, latest editions

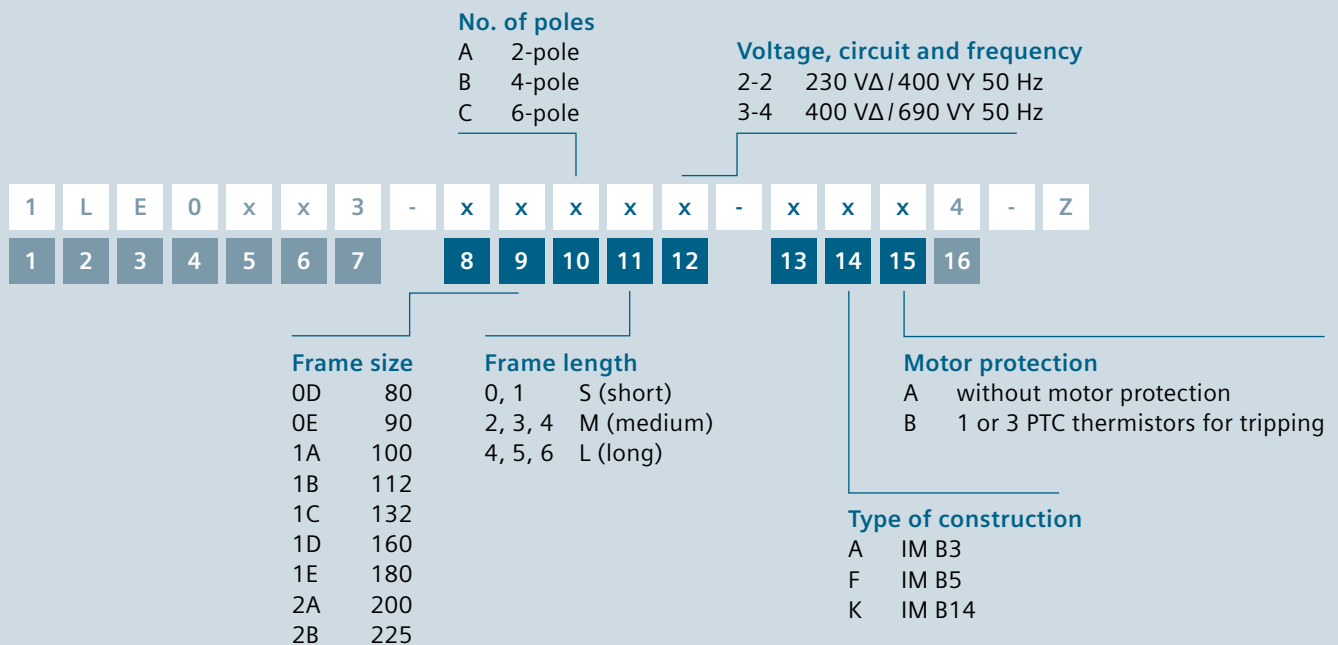
3) Temperature class 155(F), utilized according to temperature rise 130(B)

Your benefits at a glance

- Perfect for standard applications
- Premium efficiency IE3
- High quality made by Siemens, high reliability
- Economical solution due to total cost of ownership
- Tailored to European IEC and EU standards
- Easy selection and ordering
- Proven Siemens Services

Easy ordering process – in a few steps to a perfectly configured motor

Using a 16 part order number you can easily adapt your motor to your individual requirements and order it afterwards.



Selecting the power range

kW		0.55	0.75	1.1	1.5	2.2	3	4	5.5	7.5	11	15	18.5	22	30	37	45
8 – 11th digit in the order nr.	2-pole		0DA2	0DA3	0EAO	0EA4	1AA4	1BA2	1CA0	1CA1	1DA2	1DA3	1DA4	1EA2	2AA4	2AA5	2BA2
	4-pole	0DB2	0DB3	0EB0	0EB4	1AB4	1AB5	1BB2	1CB0	1CB2	1DB2	1DB4	1EB2	1EB4	2AB4	2BB0	2BB2
	6-pole	0DC3	0EC0	0EC4	1AC4	1BC2	1CC0	1CC2	1CC3	1DC2	1DC4	1EC4	2AC4	2AC5	2BC2		

Published by
Siemens AG

Digital Industries
Motion Control
P.O. Box 31 80
91050 Erlangen, Germany

For the U.S. published by
Siemens Industry Inc.
100 Technology Drive
Alpharetta, GA 30005
United States

Article No. DIMC-B10056-00-7600
Printed in Germany
Dispo 21400
TH 455-200611 WS 1020 PDF
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For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>