

Recommended special versions for mains-fed and converter-fed operation

- Motor protection with PTC thermistors with 3 embedded temperature sensors for tripping –
Order code **A11**
for 1LE1 – 15th position of the Order No. letter **B**
- Located bearing at drive-end (DE) of motor –
Order code **K94**
for 1LE1 – order code **L20**
- Insulated bearing cartridge at non-drive-end (NDE) –
Order code **L27**
- Bearings for increased cantilever forces –
Order code **K20**
for 1LE1 – order code **L22**
- Screwed-on feet for type of construction IM B35 frame size 112 and above in standard version or order code **K11**
for 1LE1 – 16th position of the Order No. digit **4**

Pump version from stock – Order code X66

The pump version from stock comprises 3 embedded temperature sensors for tripping (order code **A11**), located bearing at drive-end (DE) of the motor (order code **K94**) as well as screwed-on feet (for type of construction IM B35 frame size 112 and above in standard version or order code **K11**) and is defined for the following motors:

- Self-ventilated motors with improved efficiency – Aluminum series 1LA7, 2-pole and 4-pole – Output range 0.25 to 18.5 kW
- Self-ventilated motors with improved efficiency – Cast-iron series 1LG4, 2-pole and 4-pole – Output range 18.5 to 37 kW

If other special versions are required, order codes **A11+K94+K11**, that are included in **X66**, must be specified individually in the order.

Pump motors that can be supplied ex stock according to IEC 60034-30 “Standard Efficiency” IE1, IP55 degree of protection, 50/60 Hz and temperature class 155 (F) for a service factor of 1.1 with order code X66.

Certified in accordance with	Rated output at 50 Hz	Frame size	Efficiency Class according to IEC 60034-30 standard	Pump version for		Voltage:		Voltage:		Voltage:	
				230 VΔ / 400 VY, 50 Hz, 460 VY, 60 Hz		400 VΔ / 690 VY, 50 Hz, 460 VY, 60 Hz		400 VΔ / 690 VY, 50 Hz, 460 VY, 60 Hz			
				Type:	Type:	Type:	Type:	Type:	Type:		
				IM B5, IM V1 without prot. cover IM V3	IM B5, IM V1 without prot. cover IM V3	IM B5, IM V1 without prot. cover IM V3	IM B5, IM V1 without prot. cover IM V3	IM B5, IM V1 without prot. cover IM V3	IM B5, IM V1 without prot. cover IM V3		
Relevant for IE changeover				Order-No.	Order code	Order-No.	Order code	Order-No.	Order code	Order code	
				(with additional charge)	(with additional charge)	(with additional charge)	(with additional charge)	(with additional charge)	(with additional charge)	(with additional charge)	
3000 rpm, 2-pole											
CCC	0.75	80 M	IE1	1LA7 080-2AA11-Z	X66	–		–		–	
CCC	1.1		IE1	1LA7 083-2AA11-Z	X66	–		–		–	
CCC	1.5	90 S	IE1	1LA7 090-2AA11-Z	X66	–		–		–	
CCC	2.2	90 L	IE1	1LA7 096-2AA11-Z	X66	–		–		–	
	3	100 L	IE1	–	–	1LA7 106-2AA61-Z	X66	–		–	
	4	112 M	IE1	–	–	1LA7 113-2AA61-Z	X66	–		–	
	5.5	132 S	IE1	–	–	–		1LA7 130-2AA66-Z	X66	–	
	7.5		IE1	–	–	–		1LA7 131-2AA66-Z	X66	–	
	11	160 M	IE1	–	–	–		1LA7 163-2AA66-Z	X66	–	
	15		IE1	–	–	–		1LA7 164-2AA66-Z	X66	–	
	18.5	160 L	IE1	–	–	–		1LA7 166-2AA66-Z	X66	–	
	22	180 M	IE1	–	–	–		1LG4 183-2AA66-Z	X66	–	
	30	200 L	IE1	–	–	–		1LG4 206-2AA66-Z	X66	–	
	37		IE1	–	–	–		1LG4 207-2AA66-Z	X66	–	
1500 rpm, 4-pole											
CCC	0.25	71 M		1LA7 070-4AB11-Z	X66	–		–		–	
CCC	0.37			1LA7 073-4AB11-Z	X66	–		–		–	
CCC	0.55	80 M	IE1	1LA7 080-4AA11-Z	X66	–		–		–	
CCC	0.75		IE1	1LA7 083-4AA11-Z	X66	–		–		–	
CCC	1.1	90 S	IE1	1LA7 090-4AA11-Z	X66	–		–		–	
	1.5	90 L	IE1	1LA7 096-4AA11-Z	X66	–		–		–	
	2.2	100 L	IE1	1LA7 106-4AA11-Z	X66	–		–		–	
	3		IE1	–	–	1LA7 107-4AA61-Z	X66	–		–	
	4	112 M	IE1	–	–	1LA7 113-4AA61-Z	X66	–		–	
	5.5	132 S	IE1	–	–	–		1LA7 130-4AA66-Z	X66	–	
	7.5	132 M	IE1	–	–	–		1LA7 133-4AA66-Z	X66	–	
	11	160 M	IE1	–	–	–		1LA7 163-4AA66-Z	X66	–	
	15		IE1	–	–	–		1LA7 166-4AA66-Z	X66	–	
	18.5	180 M	IE1	–	–	–		1LG4 183-4AA66-Z	X66	–	
	22	180 L	IE1	–	–	–		1LG4 186-4AA66-Z	X66	–	
	30	200 L	IE1	–	–	–		1LG4 207-4AA66-Z	X66	–	

– Pump version (order code **X66**) not supplied ex stock.
CCC (China Compulsory Certification) for export to China:
The motors supplied ex stock marked with “CCC” include the order code **D01**; i.e. the “CCC” logo complete with “Factory code” is indicated on the rating plate and on the packaging.

Other special versions

For other special versions, see parts “Standard motors up to frame size 315 L” and “Non-standard motors frame size 315 and above”.