

Via Circonvallazione, 22 - 42016 Guastalla (RE) Italy Tel. 0522.83.09.41 r. g. - Fax 0522.82.69.48 e-mail:info@saerelettropompe.com - http://www.saerelettropompe.com Cod. Fisc. e Part. IVA 01073840355 - R.E.A., N. 158853 -Reg. Imp.- Pos. Comm. Estero N. RE007703

New inverter series IV





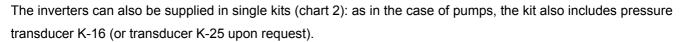
SAER introduces the new speed converters series IV for use inboard the motor.

The series IV is available in the following versions:

- ✓ IVM3-10 A: with single phase feeding, to be coupled to motors with absorbed current up to 10 A, maximum power 2,2 Kw.
- ✓ IVT3-6 A: with three phase feeding, to be coupled to motors with absorbed current up to 6 A, maximum power 2,2 Kw.
- ✓ IVT75-14 A: with three phase feeding, to be coupled to motors with absorbed current up to 14 A, maximum power until 5,5 Kw.

Converters can be regulated to allow an easy adjustment of the operating frequency on the basis of the requested performances. They are equipped with the main protections (current, tension, dry running, etc...). Moreover, they can be used in group (up to a maximum of 8 nos.), because they are already regulated in order to operate in master modality (that is, as main units piloting the secondary units) or in slave modality (that is, as secondary units piloted by the master unit) and therefore they are the ideal solution to build pressurizing groups at variable speed. In this case its is sufficient to connect each pump's inverter to one another by means of a normal serial cable and then recall the settings for functioning in group from the display.

SAER offers a wide range of pumps equipped with frequency converter, as listed in the attached table (chart 1).



To conclude, two versions are available for wall mounting, ideal solution for example with submersible pumps:

- IVMP3-10 A: with single phase feeding, to be coupled to motors with absorbed current up to 10 A, maximum power 2,2 Kw.
- ✓ IVTP75-14 A: with three phase feeding, to be coupled to motors with absorbed current up to 14 A, maximum power 5,5 Kw.

Please contact our offices for whatever request and explanation.

SAER Elettropompe Responsible for Quality Assurance Eng.Marco Favella

Characteristics of the pumps it can be coupled to						Pricelist surcharge* for		
0 . •	Max current	Max p		Pump feeding	Inverter type	Inverter	mounted kit	
Series MK-32 / MK-32R	Α	kW	HP			feeding	€	
MK-40 / MK-40R								
OP-32 / OP-32R								
OP-40 / OP-40R	10	2,2	3	230 V- 3~	IVM3-10A	230 V - 1~	1.008	
IR	10	2,2	3	50 Hz	TVIVIO-TOA	50 Hz	1.000	
MG								
NCBZ								
FC								
MK-32 / 32R								
MK-40 / 40R								
OP-32 / 32R								
OP-40 / 40R	6	2,2	3	400 V - 3~ 50 Hz	IVT3-6A	400 V - 3~ 50 Hz	1.120	
IR				30 112		30 112		
MG								
NCBZ								
FC								
MK-32 / 32R								
MK-40 / 40R								
MK-50								
MK-65R	40		-	400 V - 3~	D/T75 44A	400 V - 3~	4.005	
OP65	13	5,5	7,5	50 Hz	IVT75-14A	50Hz	1.835	
IR								
MG								
NCBZ								
FC								

^{*} surcharge to be added to the price of the pump, including:
Inverter directly mounted and cabled on the pump motor
Pressure transducer K-16 (max 16 bar, precision 1,5% FS) in stainless steel, IP67 with cable L=2 m
With pressure transducer K-25 (max 25 bar): please add pricelist surcharge 12 EUR



PUMP INVERTERS IVM-IVT

	Simbol	Meas. Unit	IVM3-10A	IVT3-6A	IVT75-14A	IVMP3-10A	IVTP3-6A	IVTP75-14A
Inverter voltage supply	V_{1n}	V	1x(100-244)V	3x(200-440)V	3x(200-440)V	1x(100-244)V	3x(200-440)V	3x(200-440)V
Frequency supply Inverter	f ₁	Hz	50-60	50-60	50-60	50-60	50-60	50-60
Maximum motor-pump power	P _{2n}	W	2200	2200	5500	2200	2200	5500
		Нр	3	3	7.5	3	3	7.5
Inverter Voltage output	V_2	V	3x(100-244)V	3x(200-440)V	3x(200-440)V	3x(100-244)V	3x(200-440)V	3x(200-440)V
Inverter Frequency output	f ₂	Hz	055	055	055	055	055	055
Nominal input current	I _{1n}	Α	11	6.5	15	11	6.5	15
Maximum output current (ED 100%)	l ₂	Α	10	6	14	10	6	14
Maximum output current for one second	l ₂	Α	2.5 x l _{2n}	2.5 x I _{2n}	2 x I _{2n}	2.5 x I _{2n}	2.5 x I _{2n}	2 x I _{2n}
Control type			V/f	V/f	Vectorial	V/f	V/f	Vectorial
User interface			Display 2x16	Display 2x16	Display 2x16	Display 2x16	Display 2x16	Display 2x16
Communication with others Inverters			RS485	RS485	RS485	RS485	RS485	RS485
Pressure measure range	ΔΡ	Bar	0 - 30	0 - 30	0 - 30	0 - 30	0 - 30	0 - 30
Pressure transducer included - standard			K16	K16	K16	K16	K16	K16
Pressure transducers compatibles			In: 0-5V / 15V	In: 0-5V / 15V	In: 0-5V / 15V	In: 0-5V / 15V	In: 0-5V / 15V	In: 0-5V / 15V
			Out: 0-5V /	Out: 0-5V /	Out: 0-5V /	Out: 0-5V /	Out: 0-5V /	Out: 0-5V /
			4-20 mA	4-20 mA	4-20 mA	4-20 mA	4-20 mA	4-20 mA
Mounting type			On motor	On motor	On motor	Wall fixing	Wall fixing	Wall fixing
Cooling type			Motor vent	Motor vent	Motor vent	Natural convection	Natural convection	Natural convection
Protection grade			IP55	IP55	IP55	IP51	IP51	IP51
Ambient temperature	T_{amb}	°C	0+40	0+40	0+40	0+40	0+40	0+40
Storage temperature	T _{stock}	°C	-20+60	-20+60	-20+60	-20+60	-20+60	-20+60
Price list – Mounted on motor			1.008,00 *	1.120,00 *	1.835,00 *	1	1	1
Price list – Separate kit	rice list – Separate kit 879,00		879,00	992,00	1.707,00	1.295,00	1.481,00	2.003,00

^{*} price surcharge to be added to the price of the pump for inverter mounted and cabled on the motor / sovrapprezzo da aggiungere la prezzo della pompa per inverter montato e cablato sul motore

PRESSURE TRANSDUCERS

	Simbol	Meas. Unit	K16	K25	
Measure range	ΔΡ	Bar	0 - 16	0 - 25	
Voltage supply	Vi	V _{dc}	8 - 28	8 - 28	
Output			4 – 20 mA	4 – 20 mA	
Material			INOX	INOX	
Standard electric connection			2 mt lenght - 2 wires cable	2 mt length - 2 wires cable	
Maximum cable lenght	L _{cs}	mt	200 (shielded)	200 (shielded)	
Protection grade			IP67	IP67	
Standard hydraulic connection			1/4" GAS M	1/4" GAS M	