

**TABLE 1**

**TECHNIKAL DATA OF THE 4XXX SERIES CONVERTERS**

<b>Converter type</b>	<b>3003</b>	<b>3004</b>	<b>3005</b>	<b>3006</b>	<b>3007</b>	<b>3009</b>	<b>3011</b>	<b>3013</b>	<b>3016</b>	<b>3020</b>	<b>3025</b>	<b>3030</b>	<b>3040</b>	<b>3050</b>	<b>3060</b>	<b>3070</b>
Armature rated current, A	30	40	50	60	70	90	110	130	160	200	250	300	400	500	600	700
Max armature current, A	60	80	100	120	140	180	220	260	320	400	500	600	800	1000	1200	1400
Power voltage, V	3x380, +10 / -15%															
Frequency of power voltage , Hz	45 ÷ 65															
Max voltage of motor armature , V	440															
Dynamic current limitation of armature current	programmable at function <b>1/n</b>															
Ranges of the rated field current, A <sup>2</sup>	20.0 / 10.0 / 6.5 <sup>1</sup> 12.0 / 6.0 / 4.0 4.7 / 2.4 / 1.5															
Max excitation voltage , Vdc	320 at U <sub>F</sub> = 380V <sub>AC</sub>															
Speed feedback sensor	Tachogenerator / encoder / armature EMF															
Maximum voltage of the tachogenerator, V	± 193 at N <sub>MAX</sub>															
Position feedback sensor	Encoder															
Speed setting	Analog Parallel code – to 14 bit Series interface															
Analog speed reference, V	± 10 / 0 ÷ 10 / 0 ÷ -10															
Position setting	Inner digital reference / series interface															
Speed regulation range, not less than	1:10000															
Analog outputs <sup>3</sup>	2 outputs, ± 10V, 2 mA															
Digital inputs	18 inputs, ± 24V, 10mA															
Digital outputs	5 outputs relay type , 100V <sub>AC</sub> / 0.3A, 24V <sub>DC</sub> / 0.3A															
Series interfaces <sup>4</sup>	RS 232C up to 9600 bps RS422 / RS485 up to 115 200 bps															

Working regime	Continuous S1
Protection class	IP 20
Environment temperature, C°	0 ÷ 50

**Notes:**

<sup>1</sup> – ranges of the rated field current depend on the using current sensor. Standard converters are produced with ranges of the rated field current 20/10/6.5 A. Other ranges are made by order. .

<sup>2</sup> – converters can be made with rated field current more than 20A by special order;

<sup>3</sup> – The two analog outputs are optional and can be installed on clients order;

<sup>4</sup> – The series interfaces **RS422** и **RS485** are optional and can be installed on clients order.