

**5A1A** <sup>TM</sup>

The logo features the text "5A1A" in a bold, blue, italicized sans-serif font. To the right of the text is a trademark symbol "TM". A blue swoosh, consisting of two parallel lines, curves around the text from the left, passing behind the "5A1A" and ending to the right of the "TM".



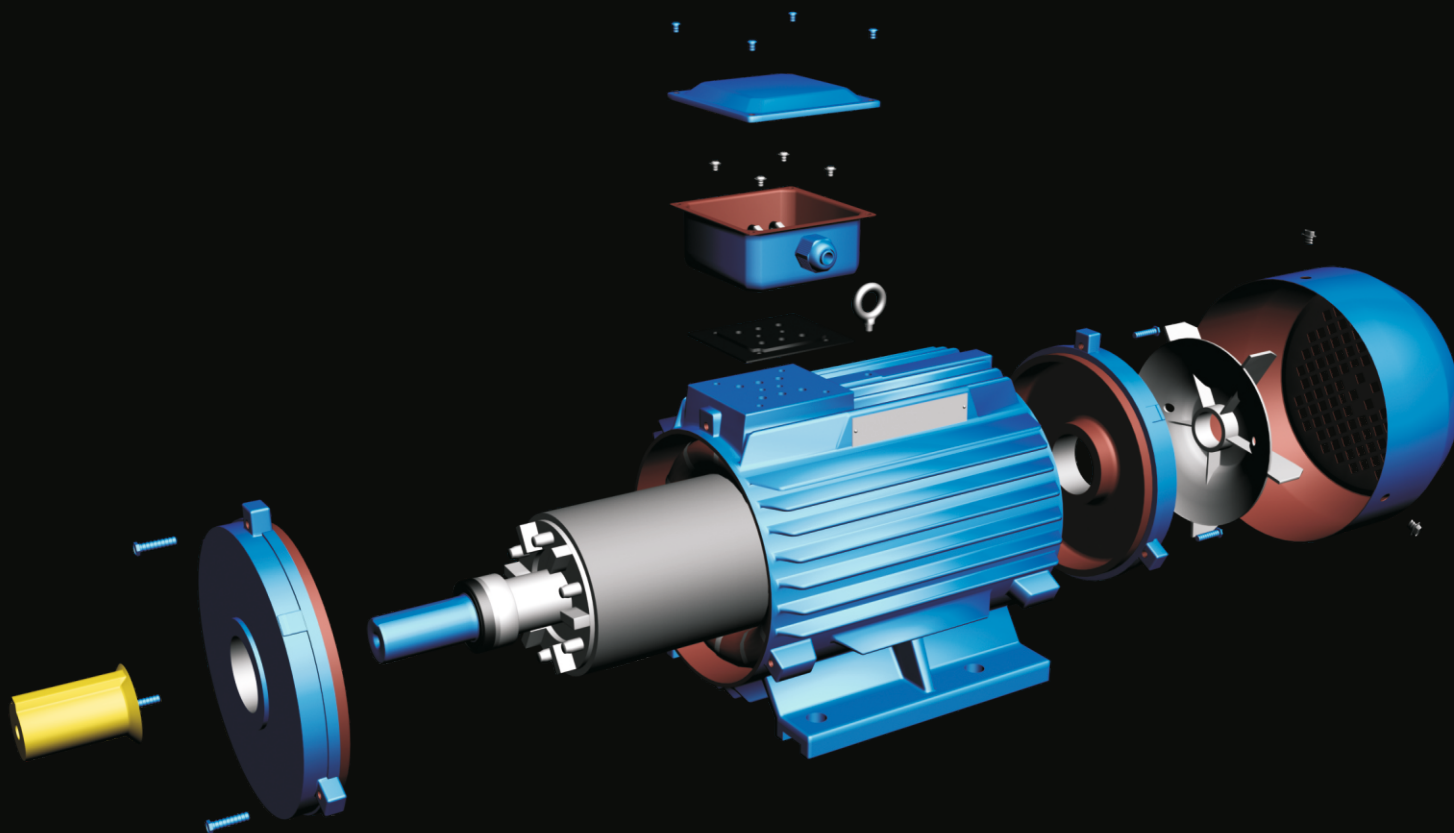




# Каталог

электродвигателей  
серии

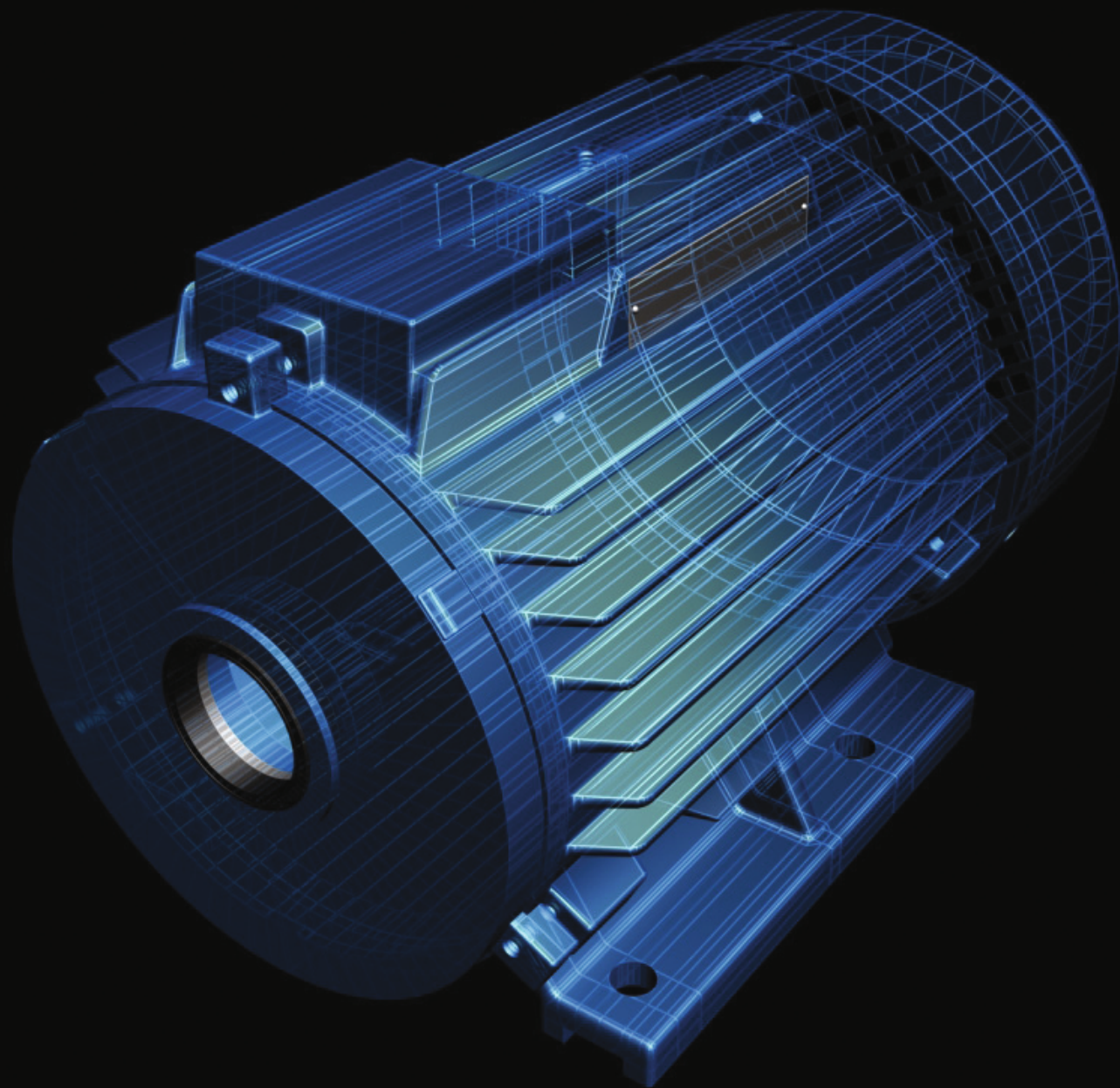
**5ДМ** TM



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## ПРЕИМУЩЕСТВА ЭЛЕКТРОДВИГАТЕЛЕЙ СЕРИИ

Масленки для смазки подшипников от 160 до 355 габаритов



Ударопрочная стальная клеммная коробка



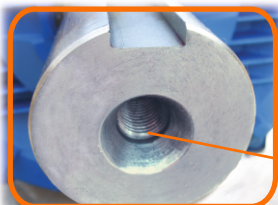
Встроенный термодатчик от 160 габарита



Качественные малощумные подшипники



Улучшенный дизайн и обработка чугуновой станины: более жесткий корпус, меньшая вибрация и большая теплоотдача

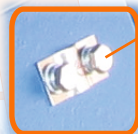


Резьбовое отверстие в торце вала

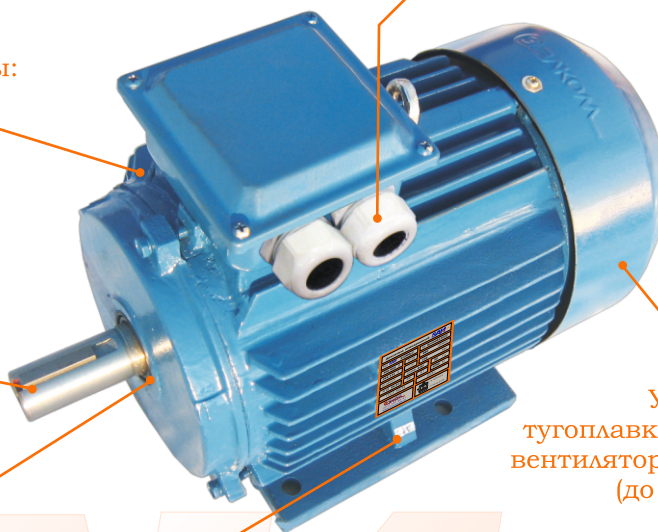


Повышенная степень защиты: исполнение IP 55

Болт заземления от 160 габарита



Евро-ввод под кабель



Алюминиевая крыльчатка вентилятора (315 и 355 габариты)



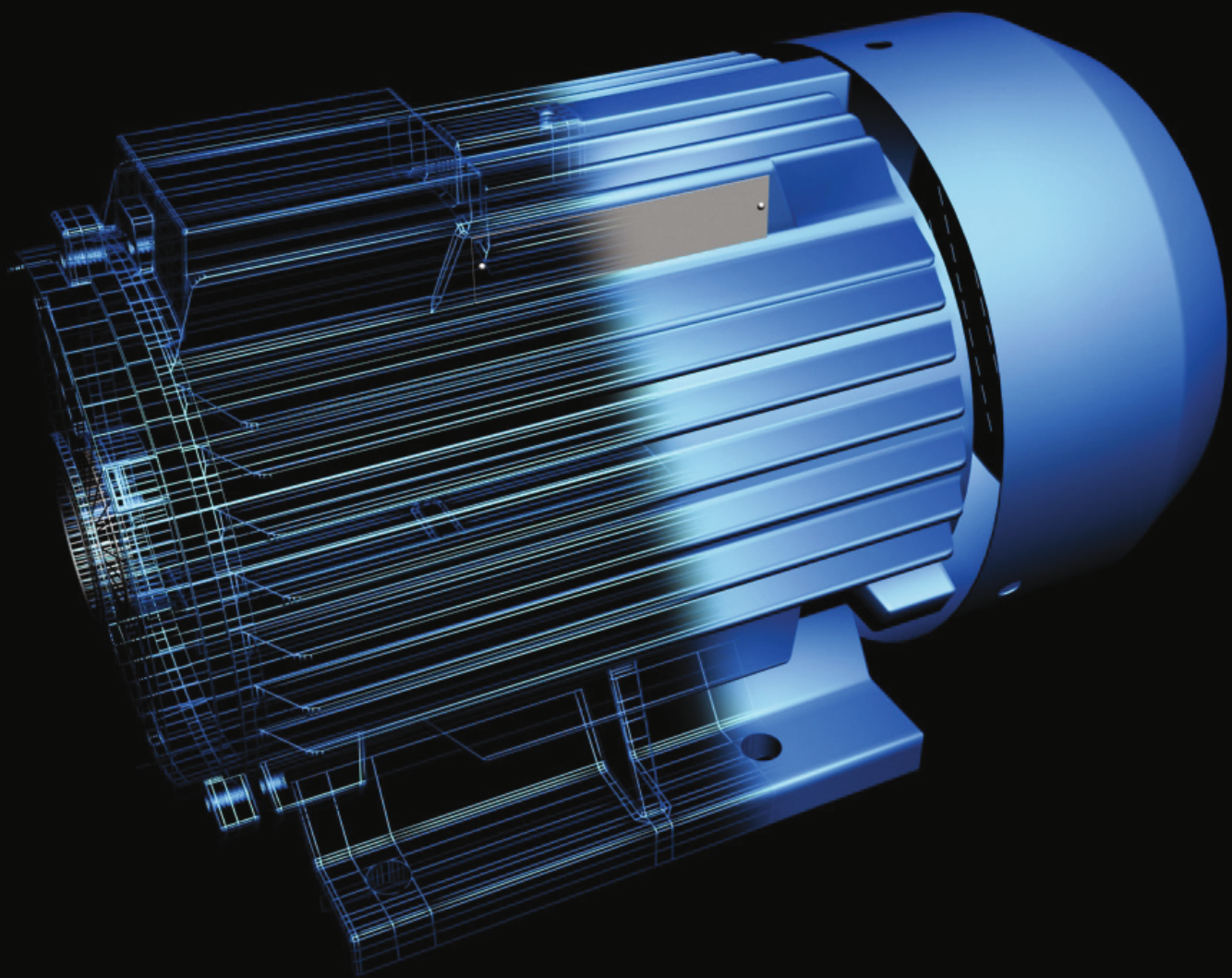
Ударопрочная, тугоплавкая пластмасса вентилятора охлаждения (до 315 габарита)



Индивидуальная упаковка каждого двигателя







## ОПИСАНИЕ ДВИГАТЕЛЯ

Двигатели асинхронные унифицированной серии 5АИ с короткозамкнутым ротором, закрытого исполнения предназначены для режимов работы S1, S3 40%, S4 40% по ГОСТ Р 52776-2007 от сети переменного тока частотой 50Гц, напряжением до 660В.

Вид климатического исполнения У1, У2, У3, УХЛ1, УХЛ2, УХЛ3 по ГОСТ 15150-69.

Допуски на установочные и присоединительные размеры по ГОСТ 8592-79 для нормальной точности.

В зависимости от способа монтажа двигатели изготавливаются следующих видов конструктивных исполнений: IM 1001, IM 2001, IM 3001, IM 1081, IM 2081, IM 3081, IM 1002, IM 2002, IM 3002, IM 1082, IM 2082, IM 3082 и др. по ГОСТ 2479-79.

Степень защиты двигателей IP54, IP55 по ГОСТ IEC 60034-5-2011.

Способ охлаждения IC0141 по ГОСТ 20459-87.

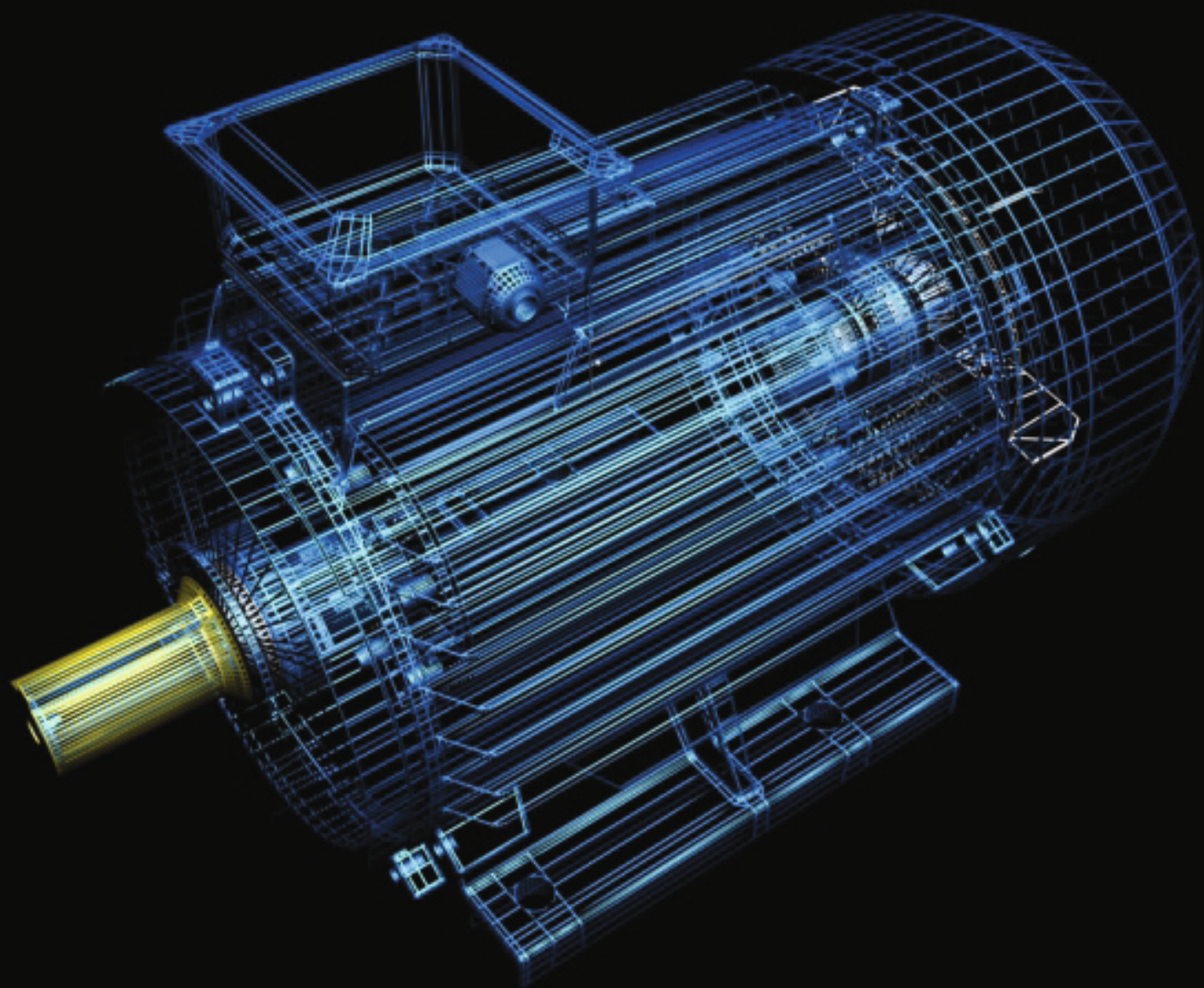
Класс вибрации двигателей по ГОСТ Р МЭК 60034-14-2008.

Уровень звука двигателей в режиме холостого хода соответствует ГОСТ Р 53148-2008.

Система изоляции двигателей класса нагревостойкости «F» по ГОСТ 8865-93.

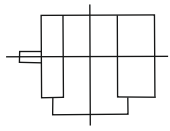
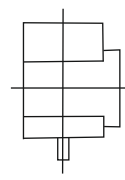
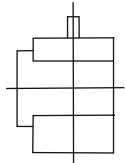
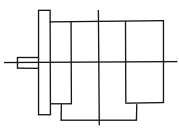
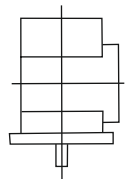
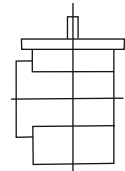
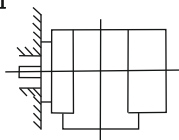
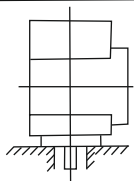
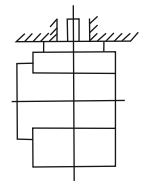
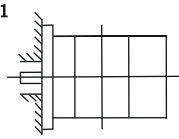
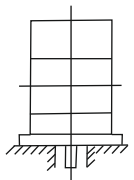
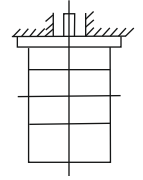
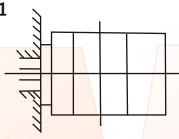
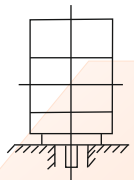
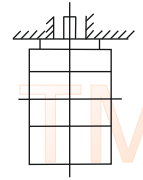
## ГАРАНТИЯ

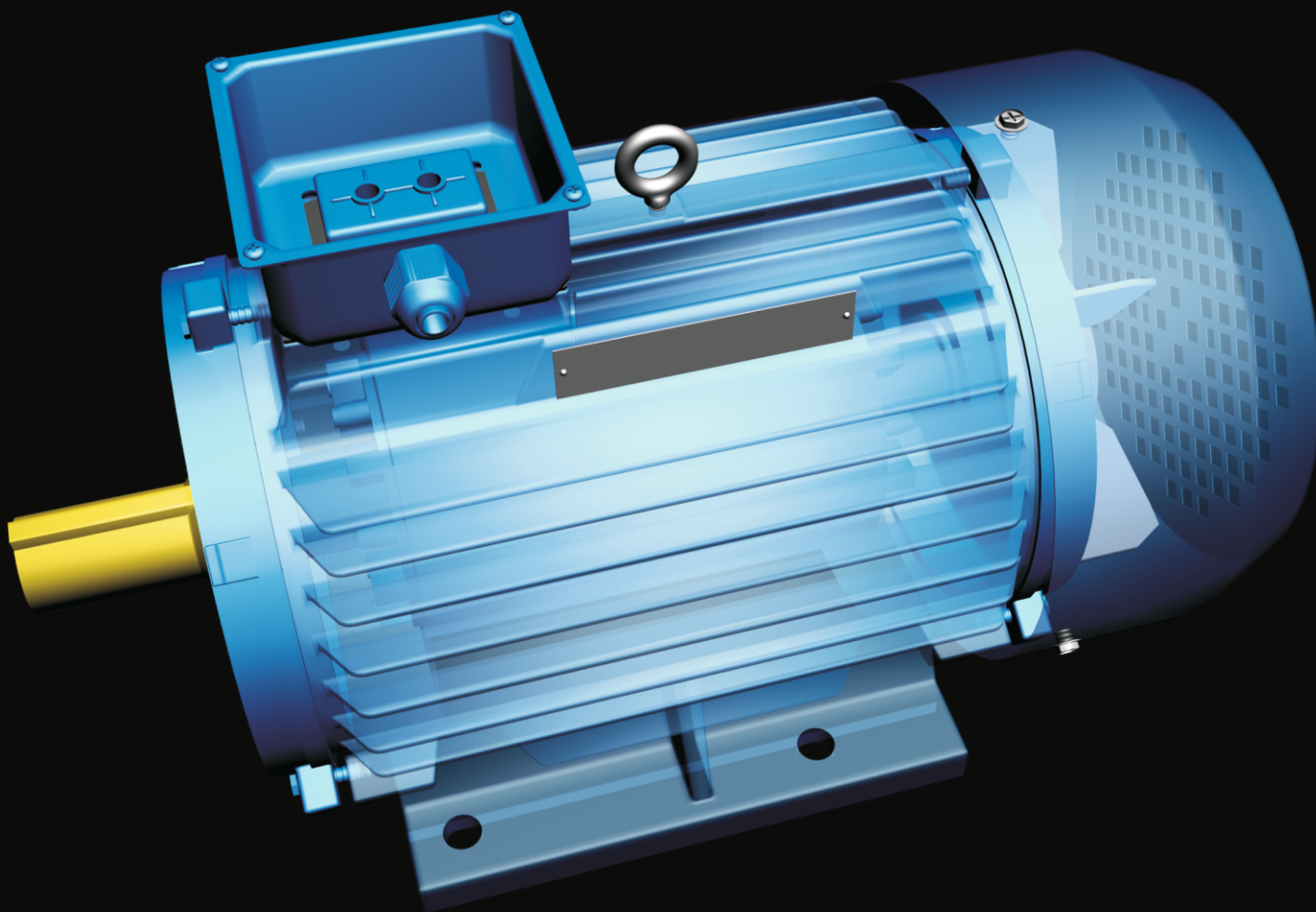
ООО «Элком» при условии соблюдения правил транспортирования, хранения, монтажа и эксплуатации гарантирует работу двигателя в течение 2-х лет с даты продажи при наработке не более 10 000 часов.





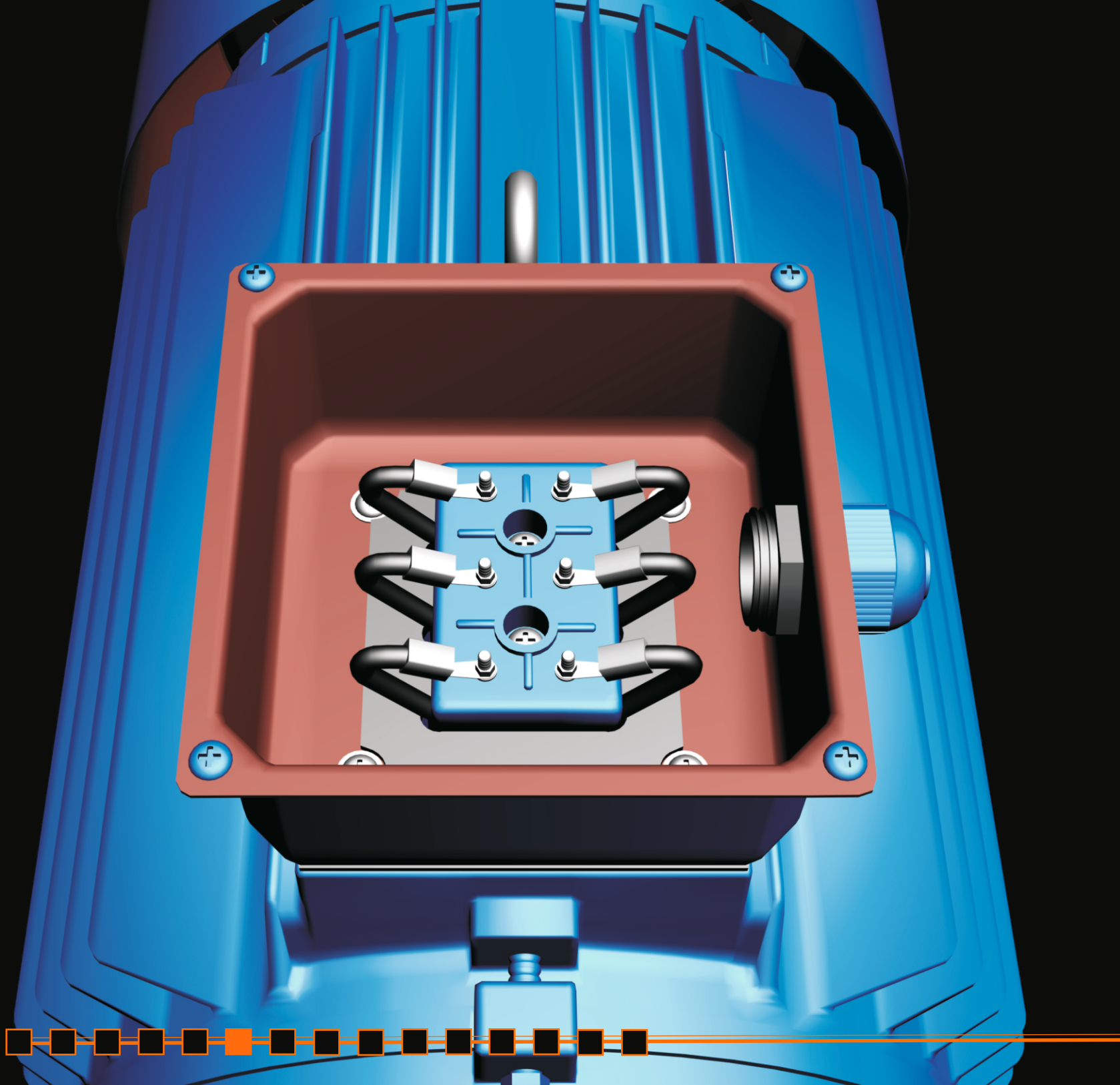
## КОНСТРУКТИВНЫЕ ИСПОЛНЕНИЯ ПО СПОСОБУ МОНТАЖА

|                                                                                                               |                                                                                                                |                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <p>IM 1001<br/>IM B3</p>     | <p>IM 1011<br/>IM V5</p>     | <p>IM 1031<br/>IM V6</p>     |
| <p>IM 2001<br/>IM B35</p>    | <p>IM 2011<br/>IM V15</p>    | <p>IM 2031<br/>IM V36</p>    |
| <p>IM 2101<br/>IM B34</p>    | <p>IM 2111</p>               | <p>IM 2131</p>               |
| <p>IM 3001<br/>IM B5</p>    | <p>IM 3011<br/>IM V1</p>    | <p>IM 3031<br/>IM V3</p>    |
| <p>IM 3601<br/>IM B14</p>  | <p>IM 3611<br/>IM B18</p>  | <p>IM 3631<br/>IM B19</p>  |



## ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ ОБЩЕПРОМЫШЛЕННЫХ ЭЛЕКТРОДВИГАТЕЛЕЙ

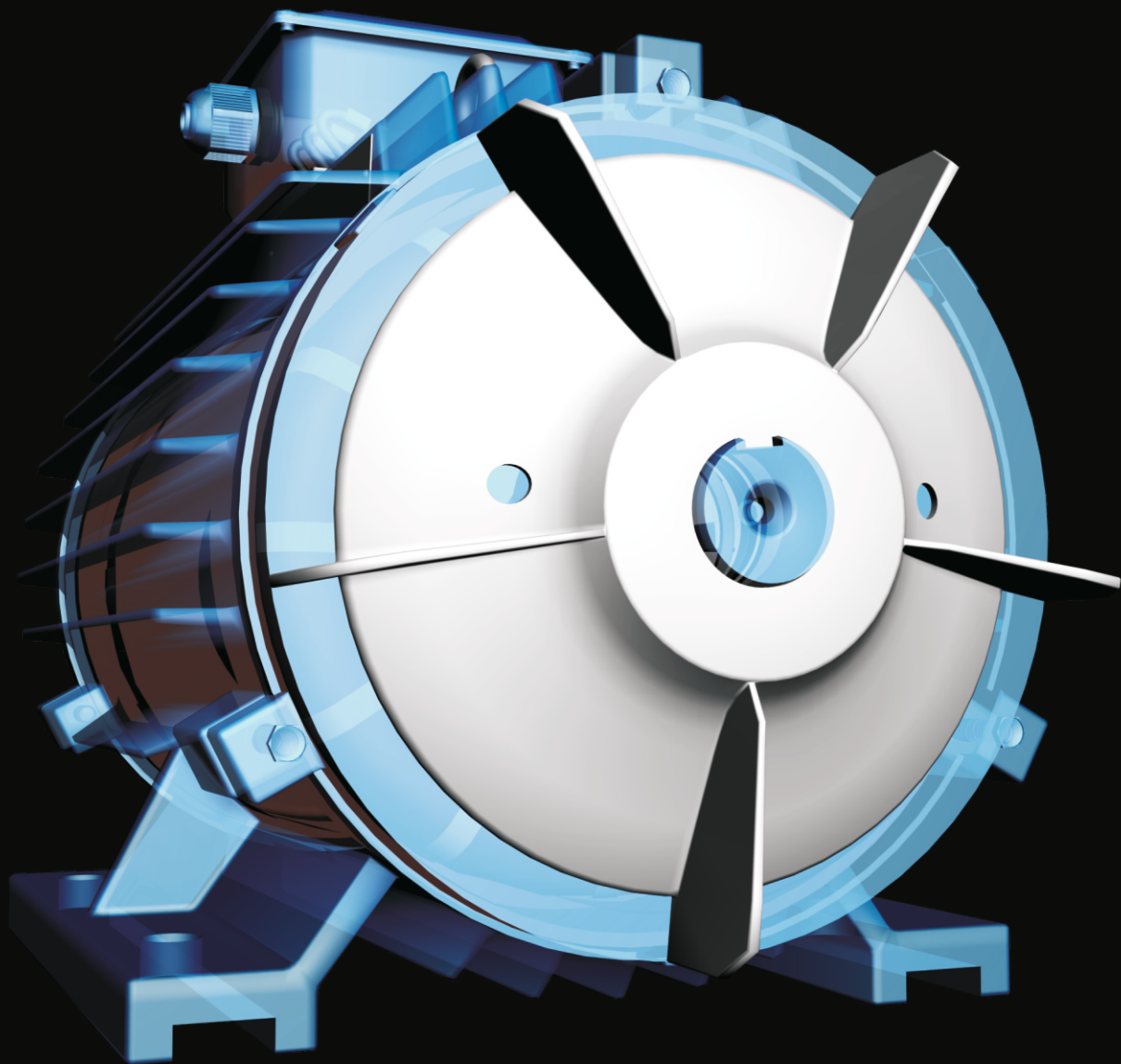
| Тип двигателя | Ном. мощность, кВт | Ном. ток, А при 380В | Синхронная частота вращения, об/мин | КПД, % | Cos φ | Mmax | Mn  | In  | Вес, кг |
|---------------|--------------------|----------------------|-------------------------------------|--------|-------|------|-----|-----|---------|
|               |                    |                      |                                     |        |       | Mн   | Mн  | In  |         |
| 5AI56A2       | 0.18               | 0.55                 | 3000                                | 62     | 0.8   | 2.2  | 2.2 | 5.5 | 4.71    |
| 5AI56A4       | 0.12               | 0.54                 | 1500                                | 53     | 0.63  | 2.2  | 2.1 | 4.4 | 4.9     |
| 5AI56B2       | 0.25               | 0.72                 | 3000                                | 65     | 0.81  | 2.2  | 2.2 | 5.5 | 4.5     |
| 5AI56B4       | 0.18               | 0.73                 | 1500                                | 56     | 0.67  | 2.2  | 2.1 | 4.4 | 4.7     |
| 5AI63A2       | 0.37               | 0.99                 | 3000                                | 70     | 0.81  | 2.2  | 2.2 | 6.1 | 9       |
| 5AI63A4       | 0.25               | 0.79                 | 1500                                | 65     | 0.74  | 2.2  | 2.1 | 5.2 | 9       |
| 5AI63A6       | 0.18               | 0.74                 | 1000                                | 56     | 0.66  | 2    | 1.9 | 4   | 9.5     |
| 5AI63B2       | 0.55               | 1.4                  | 3000                                | 73     | 0.82  | 2.3  | 2.2 | 6.1 | 9.5     |
| 5AI63B4       | 0.37               | 1.12                 | 1500                                | 67     | 0.75  | 2.2  | 2.1 | 5.2 | 9.5     |
| 5AI63B6       | 0.25               | 0.94                 | 1000                                | 59     | 0.68  | 2    | 1.9 | 4   | 10      |
| 5AI71A2       | 0.75               | 1.77                 | 3000                                | 71     | 0.9   | 2.3  | 2.2 | 6.1 | 9.5     |
| 5AI71A4       | 0.55               | 1.67                 | 1500                                | 70.5   | 0.71  | 2.3  | 2.4 | 5.2 | 9.6     |
| 5AI71A6       | 0.37               | 1.2                  | 1000                                | 67     | 0.69  | 2    | 1.9 | 4.7 | 11.3    |
| 5AI71B2       | 1.1                | 2.5                  | 3000                                | 73     | 0.91  | 2.3  | 2.2 | 6.1 | 11.7    |
| 5AI71B4       | 0.75               | 2.18                 | 1500                                | 72.5   | 0.72  | 2.3  | 2.4 | 6   | 11.6    |
| 5AI71B6       | 0.55               | 1.73                 | 1000                                | 69     | 0.7   | 2.1  | 1.9 | 4.7 | 12.3    |
| 5AI71B8       | 0.25               | 1.27                 | 750                                 | 50     | 0.6   | 1.9  | 1.8 | 3.3 | 11.7    |
| 5AI80A2       | 1.5                | 3.4                  | 3000                                | 79     | 0.84  | 2.3  | 2.2 | 7   | 15.5    |
| 5AI80A4       | 1.1                | 2.9                  | 1500                                | 75     | 0.77  | 2.3  | 2.3 | 6   | 15.7    |
| 5AI80A6       | 0.75               | 2.3                  | 1000                                | 69     | 0.72  | 2.1  | 2   | 5.5 | 15.7    |
| 5AI80A8       | 0.37               | 1.5                  | 750                                 | 62     | 0.61  | 1.9  | 1.8 | 4   | 17      |
| 5AI80B2       | 2.2                | 4.8                  | 3000                                | 81     | 0.85  | 2.3  | 2.2 | 7   | 19.5    |
| 5AI80B4       | 1.5                | 3.7                  | 1500                                | 78     | 0.79  | 2.3  | 2.3 | 6   | 18      |
| 5AI80B6       | 1.1                | 3.2                  | 1000                                | 72     | 0.73  | 2.1  | 2   | 5.5 | 19.5    |
| 5AI80B8       | 0.55               | 2.17                 | 750                                 | 63     | 0.61  | 2    | 1.8 | 4   | 22      |
| 5AI90L2       | 3                  | 6.2                  | 3000                                | 83     | 0.89  | 2.3  | 2.2 | 7.5 | 23.5    |
| 5AI90L4       | 2.2                | 5.3                  | 1500                                | 78     | 0.82  | 2.3  | 2.3 | 7   | 33      |
| 5AI90L6       | 1.5                | 4.1                  | 1000                                | 75     | 0.75  | 2.1  | 2   | 5.5 | 24.5    |
| 5AI90LA8      | 0.75               | 2.1                  | 750                                 | 75     | 0.73  | 2    | 1.8 | 4   | 25.5    |
| 5AI90LB8      | 1.1                | 3                    | 750                                 | 77     | 0.72  | 2    | 1.8 | 4   | 25.5    |
| 5AI100S2      | 4                  | 8.1                  | 3000                                | 84     | 0.89  | 2.3  | 2.2 | 7.5 | 32.5    |
| 5AI100S4      | 3                  | 6.8                  | 1500                                | 82     | 0.82  | 2.3  | 2.3 | 7   | 34      |
| 5AI100L2      | 5.5                | 11                   | 3000                                | 85     | 0.89  | 2.3  | 2.2 | 7.5 | 36.5    |
| 5AI100L4      | 4                  | 8.8                  | 1500                                | 82     | 0.84  | 2.3  | 2.3 | 7   | 36.5    |
| 5AI100L6      | 2.2                | 5.6                  | 1000                                | 76     | 0.76  | 2.1  | 2.1 | 6.5 | 32.5    |
| 5AI100L8      | 1.5                | 4.6                  | 750                                 | 74     | 0.67  | 2    | 1.8 | 5   | 36.5    |



## ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ ОБЩЕПРОМЫШЛЕННЫХ ЭЛЕКТРОДВИГАТЕЛЕЙ

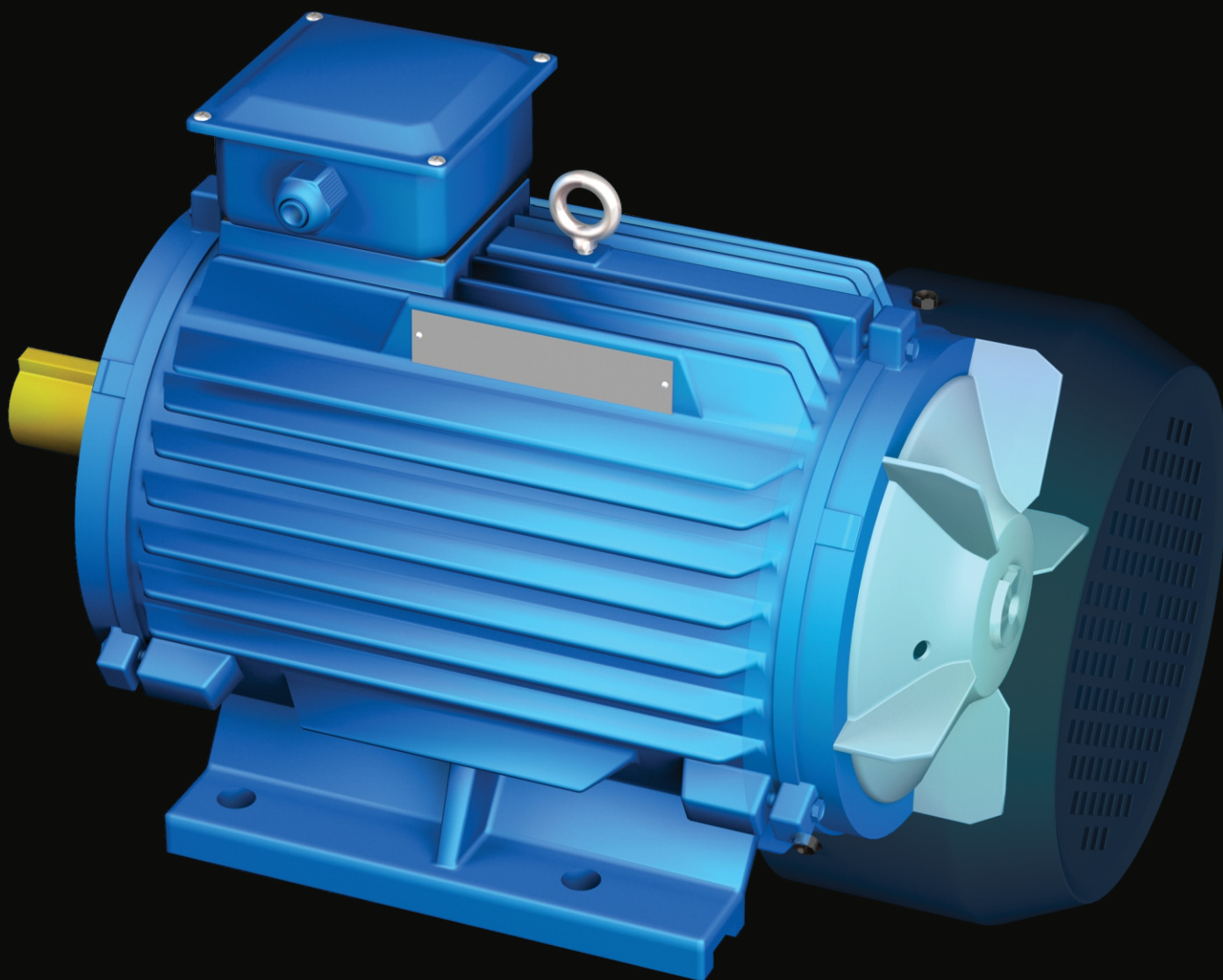
| Тип двигателя | Ном. мощность, кВт | Ном. ток, А при 380В | Синхронная частота вращения, об/мин | КПД, % | Cos φ | Mmax | Mn  | In  | Вес, кг |
|---------------|--------------------|----------------------|-------------------------------------|--------|-------|------|-----|-----|---------|
|               |                    |                      |                                     |        |       | Mн   | Mн  | In  |         |
| 5AI112M2      | 7.6                | 15.07                | 3000                                | 86     | 0.88  | 2.3  | 2.2 | 7.5 | 45      |
| 5AI112M4      | 5.5                | 11.7                 | 1500                                | 86     | 0.83  | 2.3  | 2.3 | 7   | 67      |
| 5AI112MA6     | 3                  | 7.3                  | 1000                                | 81     | 0.77  | 2.1  | 2.1 | 6.5 | 47.5    |
| 5AI112MA8     | 2.2                | 6.3                  | 750                                 | 76     | 0.69  | 2    | 1.8 | 6   | 42.5    |
| 5AI112MB6     | 4                  | 9.6                  | 1000                                | 81     | 0.78  | 2.1  | 2.1 | 6.5 | 52      |
| 5AI112MB8     | 3                  | 8                    | 750                                 | 80     | 0.7   | 2    | 1.8 | 6   | 50.5    |
| 5AI132S4      | 7.6                | 15.6                 | 1500                                | 87.2   | 0.84  | 2.3  | 2.3 | 7   | 75      |
| 5AI132S6      | 5.5                | 12.9                 | 1000                                | 84     | 0.77  | 2.1  | 2.1 | 6.5 | 71      |
| 5AI132S8      | 4                  | 10.5                 | 750                                 | 83     | 0.7   | 2    | 1.9 | 6   | 63      |
| 5AI132M2      | 11                 | 21.1                 | 3000                                | 88     | 0.9   | 2.3  | 2.2 | 7.5 | 118     |
| 5AI132M4      | 11                 | 21.5                 | 1500                                | 88.5   | 0.88  | 2.3  | 2.2 | 7   | 85      |
| 5AI132M6      | 7.5                | 16.5                 | 1000                                | 85.5   | 0.81  | 2.1  | 2   | 6.5 | 88      |
| 5AI132M8      | 5.5                | 13.6                 | 750                                 | 85.5   | 0.81  | 2    | 2   | 6   | 88      |
| 5AI160S2      | 15                 | 28.8                 | 3000                                | 89     | 0.89  | 2.3  | 2.2 | 7.5 | 118     |
| 5AI160S4      | 15                 | 30.1                 | 1500                                | 89     | 0.85  | 2.3  | 2.2 | 7.5 | 135     |
| 5AI160S6      | 11                 | 24.2                 | 1000                                | 87.5   | 0.79  | 2.1  | 2   | 6.5 | 134     |
| 5AI160S8      | 7.6                | 17.8                 | 750                                 | 85.5   | 0.75  | 2    | 2   | 6   | 132     |
| 5AI160M2      | 18.5               | 34.7                 | 3000                                | 90     | 0.9   | 2.3  | 2.2 | 7.5 | 141     |
| 5AI160M4      | 18.5               | 36                   | 1500                                | 90.5   | 0.86  | 2.3  | 2.2 | 7.5 | 150     |
| 5AI160M6      | 15                 | 33                   | 1000                                | 89     | 0.78  | 2.1  | 2.1 | 7   | 154     |
| 5AI160M8      | 11                 | 24.9                 | 750                                 | 87     | 0.77  | 2    | 2   | 6.6 | 152     |
| 5AI180S2      | 22                 | 41                   | 3000                                | 90.5   | 0.9   | 2.3  | 2   | 7.5 | 170     |
| 5AI180S4      | 22                 | 43.2                 | 1500                                | 91     | 0.85  | 2.3  | 2.2 | 7.5 | 175     |
| 5AI180M2      | 30                 | 55                   | 3000                                | 91.4   | 0.9   | 2.3  | 2   | 7.5 | 203     |
| 5AI180M4      | 30                 | 56.3                 | 1500                                | 91.4   | 0.86  | 2.3  | 2.2 | 7.2 | 201     |
| 5AI180M6      | 18.5               | 31.2                 | 1000                                | 89     | 0.82  | 2.1  | 2.1 | 7   | 120     |
| 5AI180M8      | 15                 | 33.2                 | 750                                 | 88     | 0.78  | 2    | 2   | 6.6 | 175     |
| 5AI200M2      | 37                 | 67.9                 | 3000                                | 92     | 0.9   | 2.3  | 2   | 7.5 | 246     |
| 5AI200M4      | 37                 | 70.9                 | 1500                                | 91     | 0.92  | 2.3  | 2.2 | 7.2 | 248     |
| 5AI200M6      | 22                 | 44.7                 | 1000                                | 90     | 0.83  | 2.1  | 2.1 | 7   | 233     |
| 5AI200M8      | 18.5               | 39                   | 750                                 | 89     | 0.81  | 2    | 1.9 | 6.6 | 235     |
| 5AI200L2      | 45                 | 82.3                 | 3000                                | 92.3   | 0.9   | 2.3  | 2   | 7.5 | 282     |
| 5AI200L4      | 45                 | 85                   | 1500                                | 92.6   | 0.87  | 2.3  | 2.2 | 7.2 | 280     |
| 5AI200L6      | 30                 | 59.6                 | 1000                                | 90     | 0.85  | 2.1  | 2   | 7   | 228     |
| 5AI200L8      | 22                 | 45.8                 | 750                                 | 90     | 0.81  | 2    | 1.9 | 6.6 | 250     |



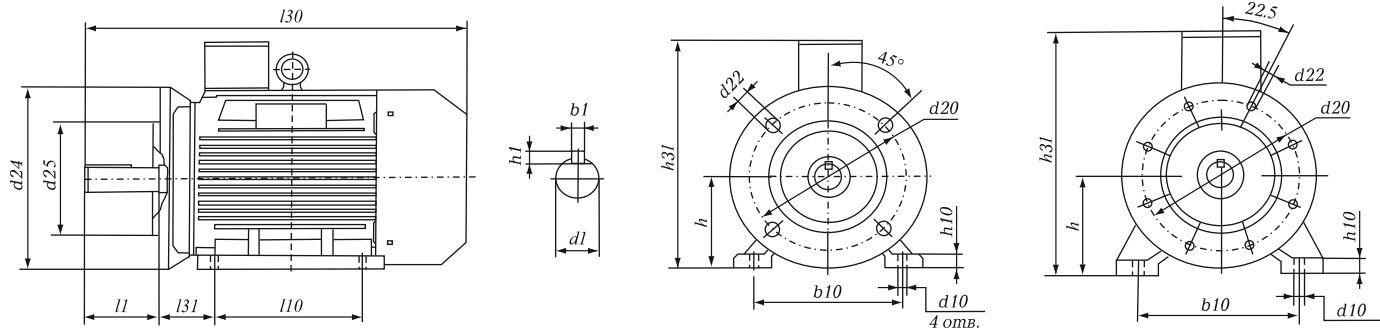


## ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ ОБЩЕПРОМЫШЛЕННЫХ ЭЛЕКТРОДВИГАТЕЛЕЙ

| Тип двигателя | Ном. мощность, кВт | Ном. ток, А при 380В | Синхронная частота вращения, об/мин | КПД, % | Cos φ | Mmax | Mn  | In  | Вес, кг |
|---------------|--------------------|----------------------|-------------------------------------|--------|-------|------|-----|-----|---------|
|               |                    |                      |                                     |        |       | Mн   | Mн  | In  |         |
| 5AI225M2      | 55                 | 100                  | 3000                                | 92.5   | 0.91  | 2.3  | 2   | 7.5 | 318     |
| 5AI225M4      | 55                 | 101.8                | 1500                                | 92     | 0.89  | 2.3  | 2.2 | 7.2 | 331     |
| 5AI225M6      | 37                 | 72.7                 | 1000                                | 91     | 0.85  | 2.1  | 2.1 | 7   | 290     |
| 5AI225M8      | 30                 | 62.2                 | 750                                 | 90.5   | 0.81  | 2    | 1.9 | 6.6 | 307     |
| 5AI250S2      | 75                 | 135                  | 3000                                | 92.5   | 0.91  | 2.3  | 2   | 7.5 | 395     |
| 5AI250S4      | 75                 | 141                  | 1500                                | 94     | 0.86  | 2.3  | 2.2 | 7.2 | 400     |
| 5AI250S6      | 45                 | 85                   | 1000                                | 92.5   | 0.86  | 2    | 2.1 | 7   | 365     |
| 5AI250S8      | 37                 | 78.3                 | 750                                 | 92     | 0.78  | 2    | 1.9 | 6.6 | 390     |
| 5AI250M2      | 90                 | 161.1                | 3000                                | 93     | 0.91  | 2.3  | 2   | 7.5 | 410     |
| 5AI250M4      | 90                 | 167.2                | 1500                                | 94     | 0.87  | 2.3  | 2.2 | 7.2 | 430     |
| 5AI250M6      | 55                 | 105                  | 1000                                | 92.5   | 0.86  | 2    | 2.1 | 7   | 400     |
| 5AI250M8      | 45                 | 93.7                 | 750                                 | 92.5   | 0.79  | 2    | 1.8 | 6.6 | 410     |
| 5AI280S2      | 110                | 194.3                | 3000                                | 93.5   | 0.9   | 2.2  | 1.8 | 7.1 | 520     |
| 5AI280S4      | 110                | 202                  | 1500                                | 95.1   | 0.87  | 2.2  | 2.1 | 6.9 | 590     |
| 5AI280S6      | 75                 | 140                  | 1000                                | 94.5   | 0.86  | 2    | 2   | 7   | 594     |
| 5AI280S8      | 55                 | 108.9                | 750                                 | 93.6   | 0.82  | 2    | 1.8 | 6.6 | 574     |
| 5AI280M2      | 132                | 230.7                | 3000                                | 94.5   | 0.92  | 2.2  | 1.8 | 7.1 | 590     |
| 5AI280M4      | 132                | 235.2                | 1500                                | 95.8   | 0.89  | 2.2  | 2.1 | 6.9 | 664     |
| 5AI280M6      | 90                 | 170.2                | 1000                                | 94.5   | 0.85  | 2    | 2   | 7   | 584     |
| 5AI280M8      | 75                 | 147.8                | 750                                 | 94     | 0.82  | 2    | 1.8 | 6.6 | 654     |
| 5AI315S2      | 160                | 279                  | 3000                                | 94.6   | 0.92  | 2.2  | 1.8 | 7.1 | 1024    |
| 5AI315S4      | 160                | 287.8                | 1500                                | 94.9   | 0.89  | 2.2  | 2.1 | 6.9 | 1000    |
| 5AI315S6      | 110                | 206                  | 1000                                | 94     | 0.86  | 2    | 2   | 6.7 | 1045    |
| 5AI315S8      | 90                 | 178                  | 750                                 | 93.8   | 0.83  | 2    | 1.8 | 6.6 | 1050    |
| 5AI315M2      | 200                | 348                  | 3000                                | 94.8   | 0.92  | 2.2  | 1.8 | 7.1 | 1082    |
| 5AI315M4      | 200                | 359.4                | 1500                                | 95     | 0.89  | 2.2  | 2.1 | 6.9 | 1128    |
| 5AI315M6      | 132                | 244                  | 1000                                | 94.2   | 0.87  | 2    | 2   | 6.7 | 1094    |
| 5AI315M8      | 110                | 217                  | 750                                 | 94     | 0.82  | 2    | 1.8 | 6.4 | 1132    |
| 5AI355S4      | 250                | 440                  | 1500                                | 95.3   | 0.9   | 2.2  | 2.1 | 6.9 | 1546    |
| 5AI355S6      | 160                | 287                  | 1000                                | 94.5   | 0.88  | 2    | 1.9 | 6.7 | 1620    |
| 5AI355S8      | 132                | 255                  | 750                                 | 93.7   | 0.82  | 2    | 1.8 | 6.4 | 1564    |
| 5AI355M4      | 315                | 556                  | 1500                                | 95.6   | 0.9   | 2.2  | 2.1 | 6.9 | 1862    |
| 5AI355M6      | 200                | 356                  | 1000                                | 94.7   | 0.88  | 2    | 1.9 | 6.7 | 1748    |
| 5AI355M8      | 160                | 307                  | 750                                 | 94.2   | 0.82  | 2    | 1.8 | 6.4 | 1634    |
| 5AI355M10     | 110                | 230                  | 600                                 | 93.2   | 0.78  | 2    | 1.3 | 6   | 1548    |

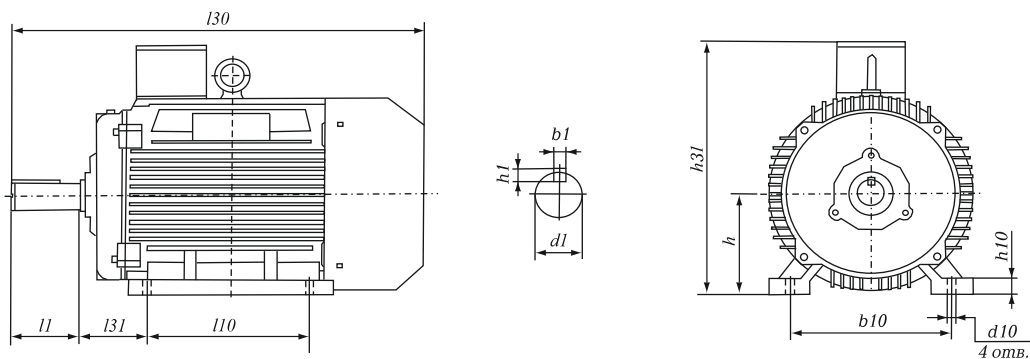


# ГАБАРИТНЫЕ ЧЕРТЕЖИ ОБЩЕПРОМЫШЛЕННЫХ ЭЛЕКТРОДВИГАТЕЛЕЙ

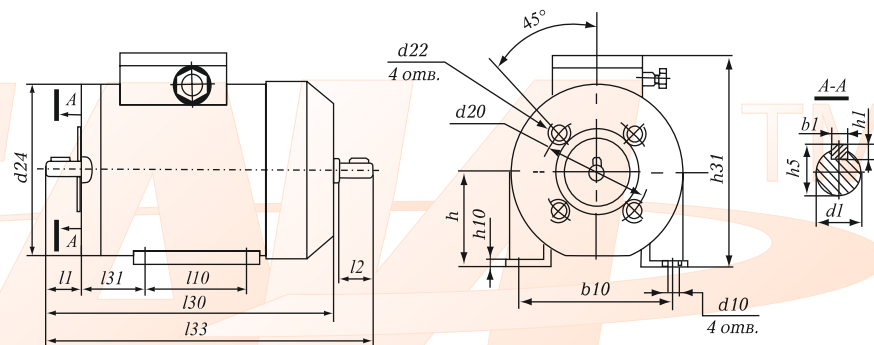


Для исполнений IM 2001, IM 2081...

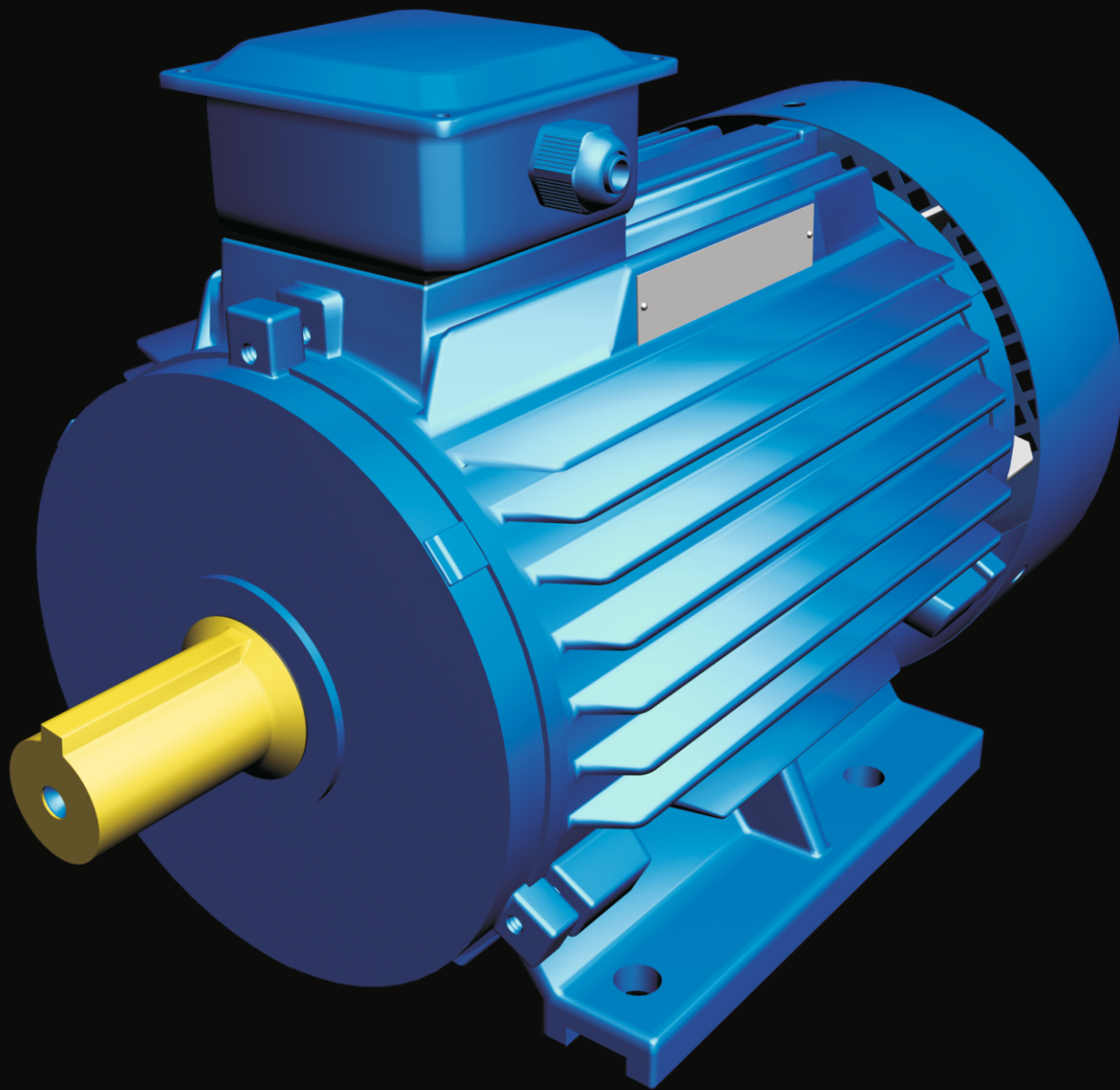
4 отв.



Для исполнений IM 1001, IM 1081...



Для исполнений IM 2181, IM 3681





## ГАБАРИТНО - ПРИСОЕДИНИТЕЛЬНЫЕ РАЗМЕРЫ ОБЩЕПРОМЫШЛЕННЫХ ЭЛЕКТРОДВИГАТЕЛЕЙ

Для исполнений IM 1001, IM 1081, IM 2001, IM 2081...

| Тип<br>двигателя | Число<br>полюсов | Габаритные<br>размеры |     |     | Установочные и присоединительные размеры, мм |     |     |    |     |     |          |     |    |     |    |     |     |
|------------------|------------------|-----------------------|-----|-----|----------------------------------------------|-----|-----|----|-----|-----|----------|-----|----|-----|----|-----|-----|
|                  |                  | l30                   | h31 | d24 | l1                                           | l10 | l31 | d1 | d10 | d20 | d22      | d25 | b1 | b10 | h1 | h10 | h   |
| 5AI56            | 2;4;6            | 218                   | 148 | 140 | 23                                           | 71  | 36  | 11 | 6   | 115 | 10       | 95  | 4  | 90  | 4  | 7   | 56  |
| 5AI63            | 2;4;6            | 240                   | 180 | 160 | 30                                           | 80  | 40  | 14 | 6   | 130 | 10       | 110 | 5  | 100 | 5  | 8   | 63  |
| 5AI71            | 2;4;6;8          | 280                   | 190 | 200 | 40                                           | 90  | 45  | 19 | 8   | 165 | 12       | 130 | 6  | 112 | 6  | 8   | 71  |
| 5AI80A           | 2;4;6;8          | 296                   | 204 | 200 | 50                                           | 100 | 50  | 22 | 8   | 165 | 12       | 130 | 6  | 125 | 6  | 9   | 80  |
| 5AI80B           | 2;4;6;8          | 320                   | 204 | 200 | 50                                           | 100 | 50  | 22 | 8   | 165 | 12       | 130 | 6  | 125 | 6  | 9   | 80  |
| 5AI90L           | 2;4;6;8          | 350                   | 250 | 250 | 50                                           | 125 | 56  | 24 | 12  | 215 | 14       | 180 | 8  | 140 | 7  | 10  | 90  |
| 5AI100L          | 2;4;6;8          | 385                   | 265 | 250 | 60                                           | 140 | 63  | 28 | 12  | 215 | 14       | 180 | 8  | 160 | 7  | 13  | 100 |
| 5AI100S          | 2;4              | 365                   | 270 | 250 | 60                                           | 112 | 63  | 28 | 12  | 215 | 14       | 180 | 8  | 160 | 7  | 14  | 100 |
| 5AI112M          | 2;4              | 433                   | 270 | 300 | 80                                           | 140 | 70  | 32 | 12  | 265 | 15       | 230 | 10 | 190 | 8  | 14  | 112 |
| 5AI112MA         | 6;8              | 470                   | 290 | 300 | 80                                           | 140 | 70  | 32 | 12  | 265 | 14       | 230 | 10 | 190 | 8  | 14  | 112 |
| 5AI112MB         | 6;8              | 470                   | 290 | 300 | 80                                           | 140 | 70  | 32 | 12  | 265 | 14       | 230 | 10 | 190 | 8  | 14  | 112 |
| 5AI132S          | 4;6;8            | 500                   | 345 | 350 | 80                                           | 140 | 89  | 38 | 12  | 300 | 19       | 250 | 10 | 216 | 8  | 15  | 132 |
| 5AI132M          | 2;4;6;8          | 500                   | 330 | 350 | 80                                           | 178 | 89  | 38 | 12  | 300 | 19       | 250 | 10 | 216 | 8  | 18  | 132 |
| 5AI160S          | 2                | 615                   | 420 | 350 | 110                                          | 178 | 108 | 42 | 15  | 300 | 19       | 250 | 12 | 254 | 8  | 20  | 160 |
|                  | 4;6;8            | 615                   | 420 | 350 | 110                                          | 178 | 108 | 48 | 15  | 300 | 19       | 250 | 14 | 254 | 9  | 20  | 160 |
| 5AI160M          | 2                | 670                   | 420 | 350 | 110                                          | 210 | 108 | 42 | 15  | 300 | 19       | 250 | 12 | 254 | 8  | 20  | 160 |
|                  | 4;6;8            | 670                   | 420 | 350 | 110                                          | 210 | 108 | 48 | 15  | 300 | 19       | 250 | 14 | 254 | 9  | 20  | 160 |
| 5AI180S          | 2                | 670                   | 455 | 400 | 110                                          | 203 | 121 | 48 | 15  | 350 | 19       | 300 | 14 | 279 | 9  | 22  | 180 |
|                  | 4;6;8            | 700                   | 455 | 400 | 110                                          | 203 | 121 | 55 | 15  | 350 | 19       | 300 | 16 | 279 | 10 | 22  | 180 |
| 5AI180M          | 2                | 720                   | 445 | 400 | 110                                          | 241 | 121 | 48 | 15  | 350 | 19       | 300 | 14 | 279 | 9  | 22  | 180 |
|                  | 4; 6; 8          | 720                   | 455 | 400 | 110                                          | 241 | 121 | 55 | 15  | 350 | 19       | 300 | 16 | 279 | 10 | 22  | 180 |
| 5AI200L          | 2                | 770                   | 510 | 450 | 100                                          | 305 | 133 | 55 | 19  | 400 | 19       | 350 | 16 | 318 | 10 | 25  | 200 |
|                  | 4;6;8            | 800                   | 510 | 450 | 140                                          | 305 | 133 | 60 | 19  | 400 | 19       | 350 | 18 | 318 | 11 | 25  | 200 |
| 5AI200M          | 2                | 760                   | 505 | 450 | 110                                          | 267 | 133 | 55 | 19  | 400 | 19       | 350 | 16 | 318 | 10 | 25  | 200 |
|                  | 4;6;8            | 800                   | 500 | 450 | 140                                          | 267 | 133 | 60 | 19  | 400 | 8 отв 19 | 350 | 18 | 318 | 11 | 25  | 200 |
| 5AI225M          | 2                | 840                   | 550 | 550 | 110                                          | 311 | 149 | 55 | 19  | 500 | 8 отв 19 | 450 | 16 | 356 | 10 | 25  | 225 |
|                  | 4                | 840                   | 550 | 550 | 140                                          | 311 | 149 | 65 | 19  | 500 | 8 отв 19 | 450 | 18 | 356 | 11 | 25  | 225 |
|                  | 6;8              | 840                   | 550 | 550 | 140                                          | 311 | 149 | 65 | 19  | 500 | 8 отв 19 | 450 | 18 | 356 | 11 | 25  | 225 |
| 5AI250S          | 2                | 910                   | 610 | 550 | 140                                          | 311 | 168 | 65 | 24  | 500 | 8 отв 19 | 450 | 18 | 406 | 11 | 32  | 250 |
|                  | 4;6              | 910                   | 610 | 550 | 140                                          | 311 | 168 | 75 | 24  | 500 | 8 отв 19 | 450 | 20 | 406 | 12 | 32  | 250 |
| 5AI250M          | 2                | 910                   | 610 | 550 | 140                                          | 349 | 168 | 65 | 24  | 500 | 8 отв 19 | 450 | 18 | 406 | 11 | 32  | 250 |
|                  | 4;6;8            | 910                   | 610 | 550 | 140                                          | 349 | 168 | 75 | 24  | 500 | 8 отв 19 | 450 | 20 | 406 | 12 | 32  | 250 |
| 5AI280S          | 2                | 1000                  | 660 | 660 | 140                                          | 368 | 190 | 70 | 24  | 600 | 8 отв 24 | 550 | 20 | 457 | 11 | 32  | 280 |
|                  | 4,6,8            | 1000                  | 660 | 660 | 170                                          | 368 | 190 | 80 | 24  | 600 | 8 отв 24 | 550 | 22 | 457 | 12 | 32  | 280 |
| 5AI280M          | 2                | 1080                  | 660 | 660 | 140                                          | 419 | 190 | 70 | 24  | 600 | 8 отв 24 | 550 | 20 | 457 | 12 | 30  | 280 |
|                  | 4,6,8            | 1100                  | 660 | 660 | 170                                          | 419 | 190 | 80 | 24  | 600 | 8 отв 24 | 550 | 22 | 457 | 14 | 30  | 280 |



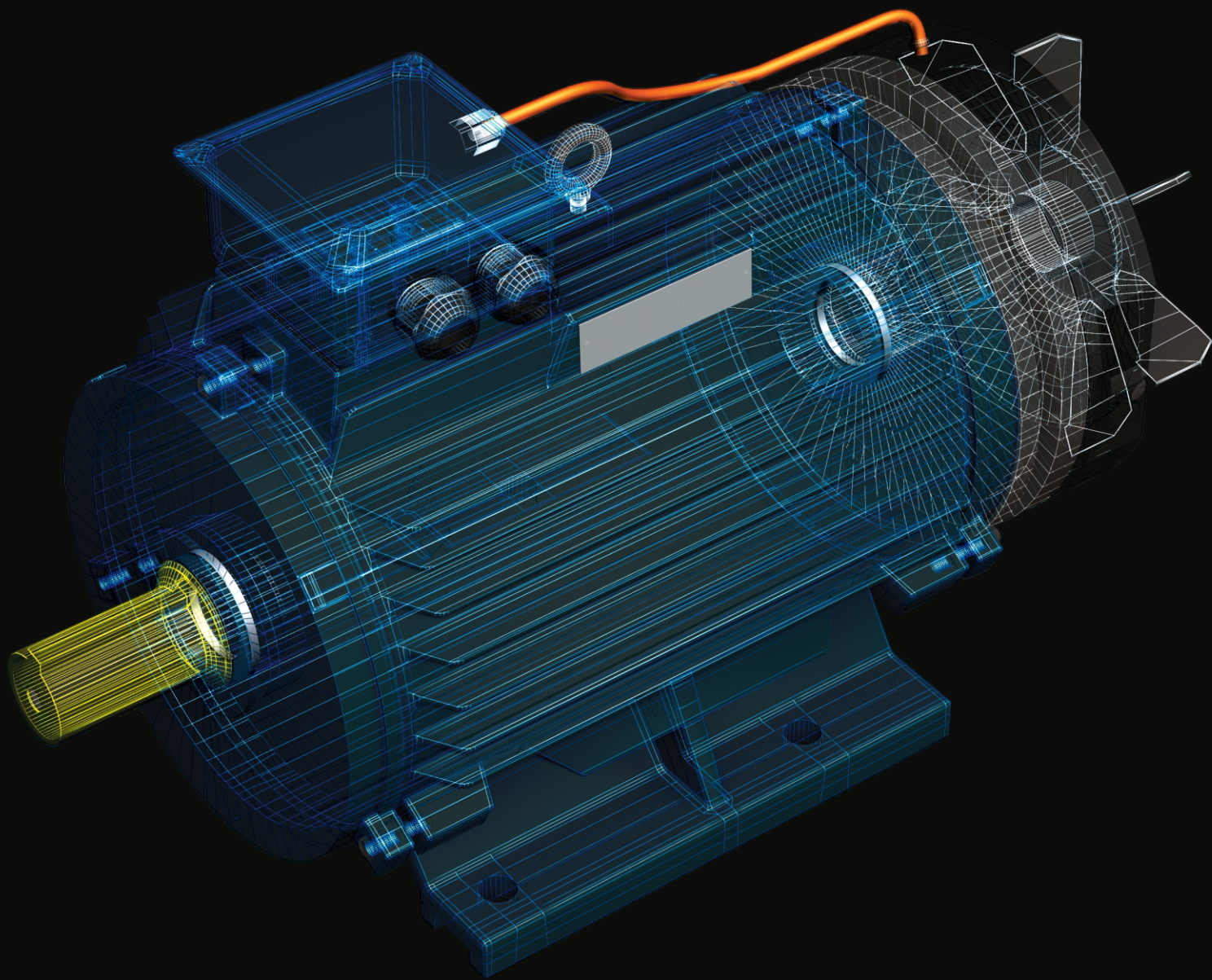
## ГАБАРИТНО - ПРИСОЕДИНИТЕЛЬНЫЕ РАЗМЕРЫ ОБЩЕПРОМЫШЛЕННЫХ ЭЛЕКТРОДВИГАТЕЛЕЙ

| Тип двигателя | Число полюсов | Габаритные размеры |      |     | Установочные и присоединительные размеры, мм |     |     |     |     |     |          |     |    |     |    |     |     |
|---------------|---------------|--------------------|------|-----|----------------------------------------------|-----|-----|-----|-----|-----|----------|-----|----|-----|----|-----|-----|
|               |               | I30                | h31  | d24 | I1                                           | I10 | I31 | d1  | d10 | d20 | d22      | d25 | b1 | b10 | h1 | h10 | h   |
| 5AI315S       | 2             | 1330               | 865  | 660 | 140                                          | 406 | 216 | 75  | 28  | 600 | 8 отв 24 | 550 | 20 | 508 | 12 | 44  | 315 |
|               | 4;6;8         | 1330               | 865  | 660 | 170                                          | 406 | 216 | 90  | 28  | 600 | 8 отв 24 | 550 | 25 | 508 | 14 | 46  | 315 |
| 5AI315M       | 2             | 1330               | 865  | 660 | 140                                          | 457 | 216 | 75  | 28  | 600 | 8 отв 24 | 550 | 20 | 508 | 12 | 46  | 315 |
|               | 4;6;8         | 1330               | 865  | 660 | 170                                          | 457 | 216 | 90  | 28  | 600 | 8 отв 24 | 550 | 25 | 508 | 14 | 46  | 315 |
| 5AI355M       | 4;6;8         | 1565               | 1010 | 800 | 210                                          | 560 | 254 | 100 | 28  | 740 | 8 отв 24 | 680 | 28 | 610 | 16 | 52  | 355 |
|               | 10;12         | 1565               | 1010 | 800 | 210                                          | 560 | 254 | 100 | 28  | 740 | 8 отв 24 | 680 | 28 | 610 | 16 | 52  | 355 |
| 5AI355S       | 4;6;8         | 1565               | 1010 | 800 | 210                                          | 500 | 254 | 100 | 28  | 740 | 8 отв 24 | 680 | 28 | 610 | 16 | 52  | 355 |
|               | 10;12         | 1565               | 1010 | 800 | 210                                          | 500 | 254 | 100 | 28  | 740 | 8 отв 24 | 680 | 28 | 610 | 16 | 52  | 355 |

Для исполнений IM 2181 и IM 3681

| Тип<br>двигателя | Число<br>полюсов | Габаритные<br>размеры |       |         |       | Установочные и присоединительные размеры, мм |    |     |         |     |    |     |         |       |         |    |        |     |    |       |     |
|------------------|------------------|-----------------------|-------|---------|-------|----------------------------------------------|----|-----|---------|-----|----|-----|---------|-------|---------|----|--------|-----|----|-------|-----|
|                  |                  | I30                   | I33   | d24     | h31   | I1                                           | I2 | I10 | I20     | I31 | d1 | d10 | d20     | d22   | d25     | b1 | b10    | h   | h1 | h5    | h10 |
| 5AI50            | 2;4              | 178                   | 200   | 107     | 130   | 20                                           | 20 | 63  | 2,5     | 32  | 9  | 5,8 | 75      | M5    | 60      | 3  | 80     | 50  | 3  | 10,02 | 6   |
| 5AI56            | 2;4              | 203                   | 230   | 80/90   | 141   | 23                                           | 23 | 71  |         | 36  | 11 |     | 65/85   | M5/M6 | 50/70   | 4  | 90     | 56  | 4  | 12,5  | 7   |
| 5AI63            | 2; 4; 6          | 227                   | 261   | 90/110  | 154   | 30                                           | 30 | 80  | 2,5/3,0 | 36  | 14 | 7   | 75/100  |       | 60/80   | 5  | 100    | 63  | 5  | 16    |     |
| 5AI71            | 8                | 272,2                 | 316,5 | 105/140 | 188   | 40                                           | 40 | 90  | 2,5     | 45  | 19 | 7   | 85/115  | M6/M8 | 70/95   | 6  | 112    | 71  | 6  | 21,5  | 8   |
| 5AI80A           | 2; 4; 6; 8       | 296,5                 | 350   | 120/160 | 204,5 | 50                                           | 50 | 100 |         | 50  | 22 | 10  | 100/130 |       | 80/110  |    | 125    | 80  |    | 24,5  | 9   |
| 5AI80B           | 8                | 320,5                 | 374   |         |       |                                              |    | 125 |         | 3   | 56 |     | 24      |       | 115/130 | M8 | 110/95 | 140 | 90 | 27    | 10  |
| 5AI90L           | 2; 4; 6; 8       | 337                   | 390   | 160/140 | 224,5 |                                              |    | 125 | 3       | 56  | 24 |     | 115/130 | M8    | 110/95  | 8  | 140    | 90  | 7  | 27    | 10  |
| 5AI100S          | 2;4              | 360                   | 424   | 160     | 246,5 | 60                                           | 60 | 112 | 3,5     | 63  | 28 | 12  | 130     | M8    | 110     |    | 160    | 100 |    | 31    | 12  |
| 5AI100L          | 2; 4; 6; 8       | 391                   | 455   |         |       |                                              |    | 140 |         |     |    |     |         |       |         |    |        |     |    |       |     |

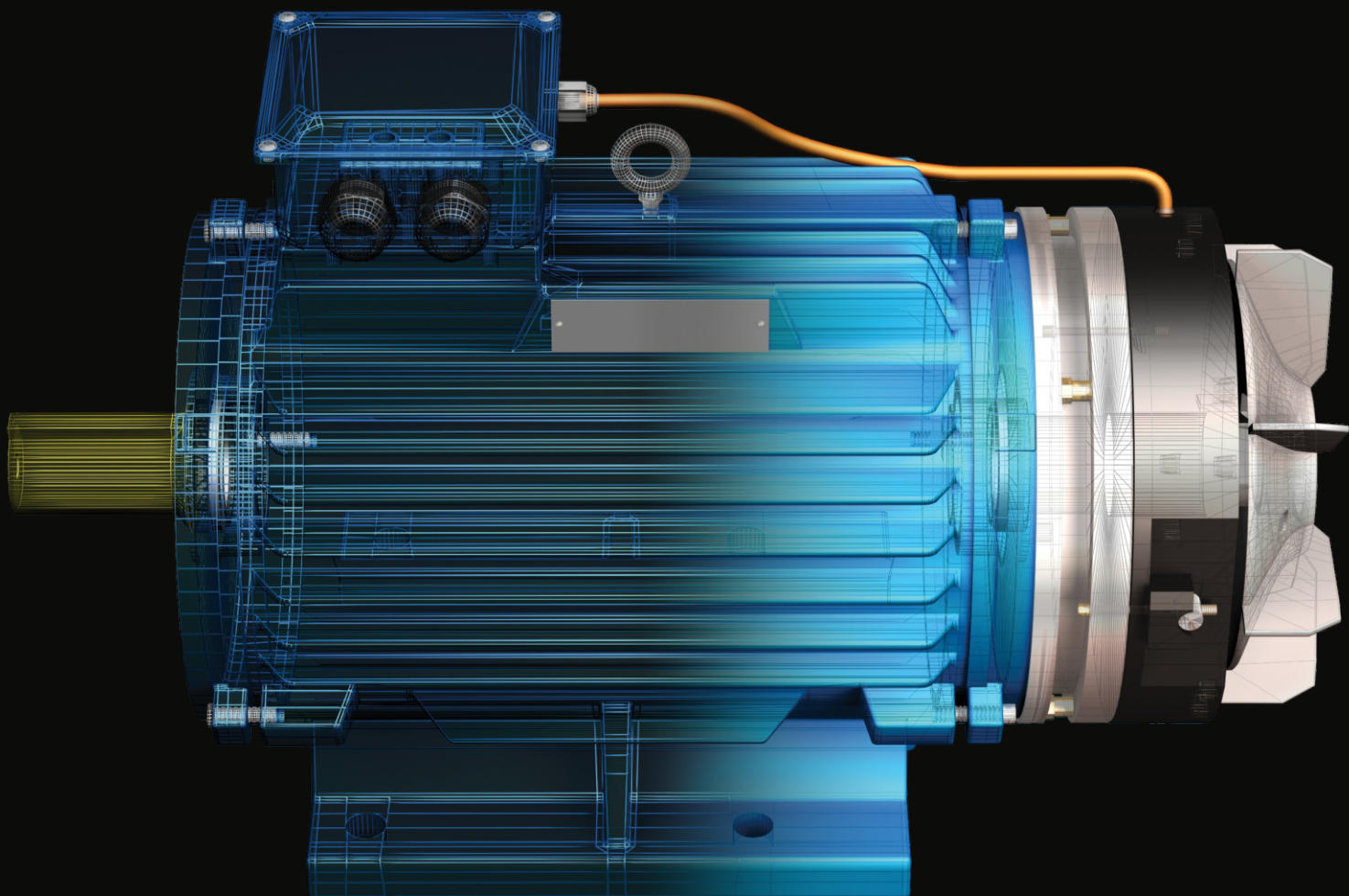




## ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ ЭЛЕКТРОДВИГАТЕЛЕЙ С ЭЛЕКТРОМАГНИТНЫМ ТОРМОЗОМ

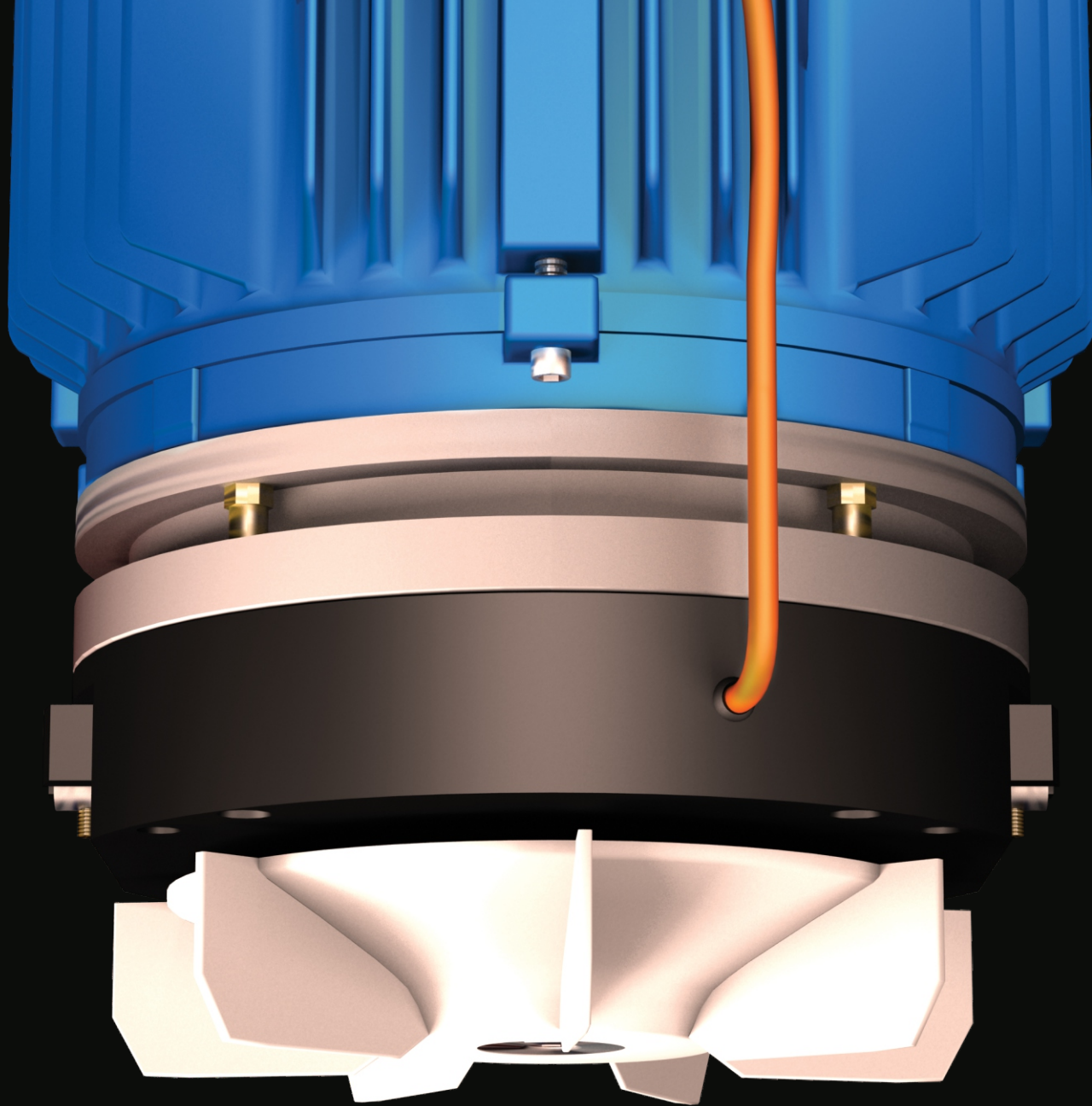
| Тип двигателя                | Ном. мощность, кВт | Ном. ток, А при 380В | Синхронная частота вращения, об/мин | КПД, % | Cos φ | Mmax | Mn  | In  | Тормоз. момент, N*m | Вес, кг |
|------------------------------|--------------------|----------------------|-------------------------------------|--------|-------|------|-----|-----|---------------------|---------|
|                              |                    |                      |                                     |        |       | Мн   | Мн  | Ип  |                     |         |
| 5AI56A2ED,ET,ED1,ET1,ED2,ET2 | 0.18               | 0.55                 | 3000                                | 62.0   | 0.80  | 2.2  | 2.2 | 5.5 | 2/4                 | 6.2     |
| 5AI56B2ED,ET,ED1,ET1,ED2,ET2 | 0.25               | 0.72                 | 3000                                | 65.0   | 0.81  | 2.2  | 2.2 | 5.5 | 2/4                 | 5.0     |
| 5AI56A4ED,ET,ED1,ET1,ED2,ET2 | 0.12               | 0.54                 | 1500                                | 53.0   | 0.63  | 2.2  | 2.1 | 4.4 | 2/4                 | 6.4     |
| 5AI56B4ED,ET,ED1,ET1,ED2,ET2 | 0.18               | 0.73                 | 1500                                | 56.0   | 0.67  | 2.2  | 2.1 | 4.4 | 2/4                 | 6.2     |
| 5AI63A2ED,ET,ED1,ET1,ED2,ET2 | 0.37               | 0.99                 | 3000                                | 70.0   | 0.81  | 2.2  | 2.2 | 6.1 | 2/4                 | 10.6    |
| 5AI63B2ED,ET,ED1,ET1,ED2,ET2 | 0.55               | 1.4                  | 3000                                | 73.0   | 0.82  | 2.3  | 2.2 | 6.1 | 2/4                 | 11.1    |
| 5AI63A4ED,ET,ED1,ET1,ED2,ET2 | 0.25               | 0.79                 | 1500                                | 65.0   | 0.74  | 2.2  | 2.1 | 5.2 | 2/4                 | 10.6    |
| 5AI63B4ED,ET,ED1,ET1,ED2,ET2 | 0.37               | 1.12                 | 1500                                | 67.0   | 0.75  | 2.2  | 2.1 | 5.2 | 2/4                 | 11.1    |
| 5AI63A6ED,ET,ED1,ET1,ED2,ET2 | 0.18               | 0.74                 | 1000                                | 56.0   | 0.66  | 2    | 1.9 | 4.0 | 2/4                 | 11.1    |
| 5AI63B6ED,ET,ED1,ET1,ED2,ET2 | 0.25               | 0.94                 | 1000                                | 59.0   | 0.68  | 2    | 1.9 | 4.0 | 2/4                 | 11.6    |
| 5AI71A2ED,ET,ED1,ET1,ED2,ET2 | 0.75               | 1.77                 | 3000                                | 71.0   | 0.90  | 2.3  | 2.2 | 5.1 | 4/6                 | 11.9    |
| 5AI71B2ED,ET,ED1,ET1,ED2,ET2 | 1.1                | 2.5                  | 3000                                | 73.0   | 0.91  | 2.3  | 2.2 | 6.1 | 4/6                 | 14.1    |
| 5AI71A4ED,ET,ED1,ET1,ED2,ET2 | 0.55               | 1.67                 | 1500                                | 70.5   | 0.71  | 2.3  | 2.4 | 5.2 | 4/6                 | 12      |
| 5AI71B4ED,ET,ED1,ET1,ED2,ET2 | 0.75               | 2.18                 | 1500                                | 72.5   | 0.72  | 2.3  | 2.4 | 6.0 | 4/6                 | 14      |
| 5AI71A6ED,ET,ED1,ET1,ED2,ET2 | 0.37               | 1.2                  | 1000                                | 67.0   | 0.69  | 2    | 1.9 | 4.7 | 4/6                 | 13.7    |
| 5AI71B6ED,ET,ED1,ET1,ED2,ET2 | 0.55               | 1.73                 | 1000                                | 69.0   | 0.70  | 2.1  | 1.9 | 4.7 | 4/6                 | 14.7    |
| 5AI71B8ED,ET,ED1,ET1,ED2,ET2 | 0.25               | 1.27                 | 750                                 | 50.0   | 0.60  | 1.9  | 1.8 | 3.3 | 4/6                 | 14.1    |
| 5AI80A2ED,ET,ED1,ET1,ED2,ET2 | 1.5                | 3.4                  | 3000                                | 79.0   | 0.84  | 2.3  | 2.2 | 7.0 | 7.5/9               | 19.1    |
| 5AI80B2ED,ET,ED1,ET1,ED2,ET2 | 2.2                | 4.8                  | 3000                                | 81.0   | 0.85  | 2.3  | 2.2 | 7.0 | 7.5/9               | 23.1    |
| 5AI80A4ED,ET,ED1,ET1,ED2,ET2 | 1.1                | 2.9                  | 1500                                | 75.0   | 0.77  | 2.3  | 2.3 | 6.0 | 7.5/9               | 19.3    |
| 5AI80B4ED,ET,ED1,ET1,ED2,ET2 | 1.5                | 3.7                  | 1500                                | 78.0   | 0.79  | 2.3  | 2.3 | 6.0 | 7.5/9               | 21.6    |
| 5AI80A6ED,ET,ED1,ET1,ED2,ET2 | 0.75               | 2.3                  | 1000                                | 69.0   | 0.72  | 2.1  | 2   | 5.5 | 7.5/9               | 19.3    |
| 5AI80B6ED,ET,ED1,ET1,ED2,ET2 | 1.1                | 3.2                  | 1000                                | 72.0   | 0.73  | 2.1  | 2   | 5.5 | 7.5/9               | 23.1    |
| 5AI80A8ED,ET,ED1,ET1,ED2,ET2 | 0.37               | 1.5                  | 750                                 | 62.0   | 0.61  | 1.9  | 1.8 | 4.0 | 7.5/9               | 20.6    |
| 5AI80B8ED,ET,ED1,ET1,ED2,ET2 | 0.55               | 2.17                 | 750                                 | 63.0   | 0.61  | 2    | 1.8 | 4.0 | 7.5/9               | 25.6    |





## ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ ЭЛЕКТРОДВИГАТЕЛЕЙ С ЭЛЕКТРОМАГНИТНЫМ ТОРМОЗОМ

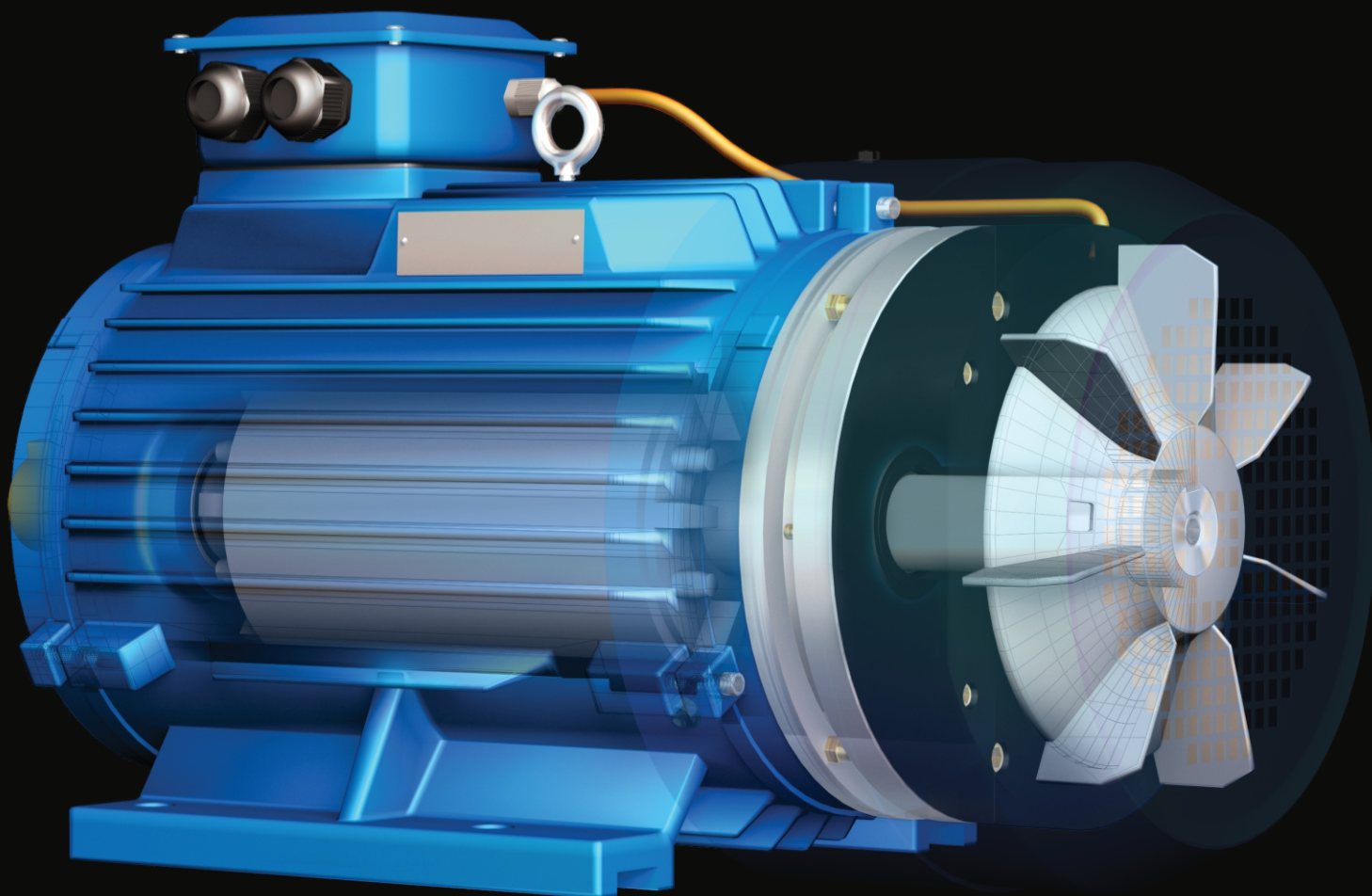
| Тип двигателя                 | Ном. мощность, кВт | Ном. ток, А при 380В | Синхронная частота вращения, об/мин | КПД, % | Cos φ | Mmax | Mn  | In  | Тормоз. момент, Н*м | Вес, кг |
|-------------------------------|--------------------|----------------------|-------------------------------------|--------|-------|------|-----|-----|---------------------|---------|
|                               |                    |                      |                                     |        |       | Мн   | Мн  | Ин  |                     |         |
| 5AI90L2ED,ET,ED1,ET1,ED2,ET2  | 3                  | 6.2                  | 3000                                | 83.0   | 0.89  | 2.3  | 2.2 | 7.5 | 15/17               | 27.8    |
| 5AI90L4ED,ET,ED1,ET1,ED2,ET2  | 2.2                | 5.3                  | 1500                                | 78.0   | 0.82  | 2.3  | 2.3 | 7.0 | 15/17               | 37.3    |
| 5AI90L6ED,ET,ED1,ET1,ED2,ET2  | 1.5                | 4.1                  | 1000                                | 75.0   | 0.75  | 2.1  | 2   | 5.5 | 15/17               | 28.8    |
| 5AI90LA8ED,ET,ED1,ET1,ED2,ET2 | 0.75               | 2.1                  | 750                                 | 75.0   | 0.73  | 2    | 1.8 | 4.0 | 15/17               | 29.8    |
| 5AI90LB8ED,ET,ED1,ET1,ED2,ET2 | 1.1                | 3                    | 750                                 | 77.0   | 0.72  | 2    | 1.8 | 4.0 | 15/17               | 29.8    |
| 5AI100S2ED,ET,ED1,ET1,ED2,ET2 | 4                  | 8.1                  | 3000                                | 84.0   | 0.89  | 2.3  | 2.2 | 7.5 | 30/35               | 38.3    |
| 5AI100L2ED,ET,ED1,ET1,ED2,ET2 | 5.5                | 11                   | 3000                                | 85.0   | 0.89  | 2.3  | 2.2 | 7.5 | 30/35               | 42.3    |
| 5AI100S4ED,ET,ED1,ET1,ED2,ET2 | 3                  | 6.8                  | 1500                                | 82.0   | 0.82  | 2.3  | 2.3 | 7.0 | 30/35               | 39.8    |
| 5AI100L4ED,ET,ED1,ET1,ED2,ET2 | 4                  | 8.8                  | 1500                                | 82.0   | 0.84  | 2.3  | 2.3 | 7.0 | 30/35               | 42.3    |
| 5AI100L6ED,ET,ED1,ET1,ED2,ET2 | 2.2                | 5.6                  | 1000                                | 76.0   | 0.76  | 2.1  | 2.1 | 6.5 | 30/35               | 38.3    |
| 5AI100L8ED,ET,ED1,ET1,ED2,ET2 | 1.5                | 4.6                  | 750                                 | 74.0   | 0.67  | 2    | 1.8 | 5.0 | 30/35               | 42.3    |
| 5AI112M2ET,ET1,ET2            | 7.5                | 15.07                | 3000                                | 86.0   | 0.88  | 2.3  | 2.2 | 7.5 | 40/50               | 52.9    |
| 5AI112M4ET,ET1,ET2            | 5.5                | 11.7                 | 1500                                | 86.0   | 0.83  | 2.3  | 2.3 | 7.0 | 40/50               | 74.9    |
| 5AI112MA6ET,ET1,ET2           | 3                  | 7.3                  | 1000                                | 81.0   | 0.77  | 2.1  | 2.1 | 6.5 | 40/50               | 55.4    |
| 5AI112MB6ET,ET1,ET2           | 4                  | 9.6                  | 1000                                | 81.0   | 0.78  | 2.1  | 2.1 | 6.5 | 40/50               | 59.9    |
| 5AI112MA8ET,ET1,ET2           | 2.2                | 6.3                  | 750                                 | 76.0   | 0.69  | 2    | 1.8 | 6.0 | 40/50               | 50.4    |
| 5AI112MB8ET,ET1,ET2           | 3                  | 8                    | 750                                 | 80.0   | 0.71  | 2    | 1.8 | 6.0 | 40/50               | 58.4    |
| 5AI132S4ET,ET1,ET2            | 7.5                | 15.6                 | 1500                                | 87.2   | 0.84  | 2.3  | 2.3 | 7.0 | 75/85               | 86.6    |
| 5AI132S6ET,ET1,ET2            | 5.5                | 12.9                 | 1000                                | 84.0   | 0.77  | 2.1  | 2.1 | 6.5 | 75/85               | 82.6    |
| 5AI160S2ET,ET1,ET2            | 15                 | 28.8                 | 3000                                | 89.0   | 0.89  | 2.3  | 2.2 | 7.5 | 150/160             | 137.0   |
| 5AI160M2ET,ET1,ET2            | 18.5               | 34.7                 | 3000                                | 90.0   | 0.90  | 2.3  | 2.2 | 7.5 | 150/160             | 160.0   |
| 5AI160S4ET,ET1,ET2            | 15                 | 30.1                 | 1500                                | 89.0   | 0.85  | 2.3  | 2.2 | 7.5 | 150/160             | 154.0   |
| 5AI160M4ET,ET1,ET2            | 18.5               | 36                   | 1500                                | 90.5   | 0.86  | 2.3  | 2.2 | 7.5 | 150/160             | 169.0   |
| 5AI160S6ET,ET1,ET2            | 11                 | 24.2                 | 1000                                | 87.5   | 0.79  | 2.1  | 2   | 6.5 | 150/160             | 153.0   |
| 5AI160M6ET,ET1,ET2            | 15                 | 33                   | 1000                                | 89.0   | 0.78  | 2.1  | 2.1 | 7.0 | 150/160             | 173.0   |



## ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ ЭЛЕКТРОДВИГАТЕЛЕЙ С ЭЛЕКТРОМАГНИТНЫМ ТОРМОЗОМ

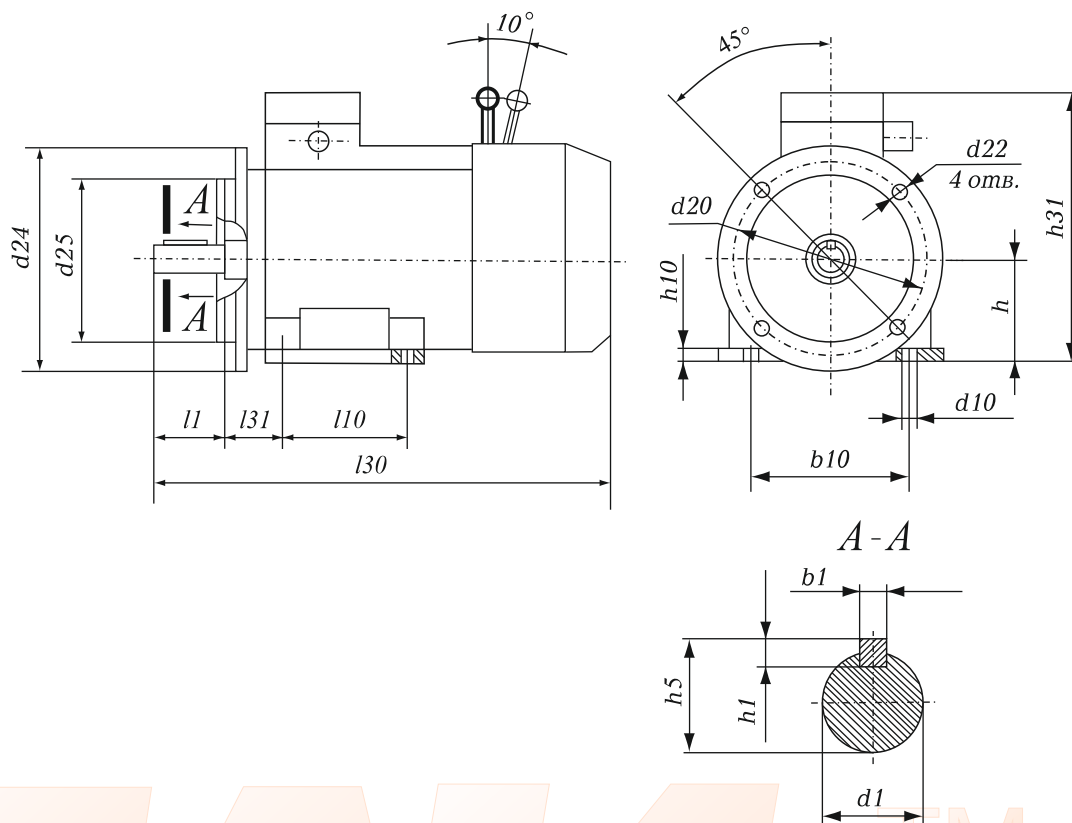
| Тип двигателя      | Ном. мощность, кВт | Ном. ток, А при 380В | Синхронная частота вращения, об/мин | КПД, % | Cos φ | Mmax | Mn  | In  | Тормоз. момент (N*m) | Вес, кг |
|--------------------|--------------------|----------------------|-------------------------------------|--------|-------|------|-----|-----|----------------------|---------|
|                    |                    |                      |                                     |        |       | Mн   | Mн  | In  |                      |         |
| 5AI160S8ET,ET1,ET2 | 7.5                | 17.8                 | 750                                 | 85.5   | 0.75  | 2    | 2   | 6.0 | 150/160              | 151.0   |
| 5AI160M8ET,ET1,ET2 | 11                 | 24.9                 | 750                                 | 87.0   | 0.77  | 2    | 2   | 6.6 | 150/160              | 171.0   |
| 5AI180S2ET,ET1     | 22                 | 41                   | 3000                                | 90.5   | 0.90  | 2.3  | 2   | 7.5 | 200/220              | 205.0   |
| 5AI180M2ET,ET1     | 30                 | 55                   | 3000                                | 91.4   | 0.90  | 2.3  | 2   | 7.5 | 200/220              | 238.0   |
| 5AI180S4ET,ET1     | 22                 | 43.2                 | 1500                                | 91.0   | 0.85  | 2.3  | 2.2 | 7.5 | 200/220              | 210.0   |
| 5AI180M4ET,ET1     | 30                 | 56.3                 | 1500                                | 91.4   | 0.86  | 2.3  | 2.2 | 7.2 | 200/220              | 236.0   |
| 5AI200M2ET,ET1     | 37                 | 67.9                 | 3000                                | 92.0   | 0.90  | 2.3  | 2   | 7.5 | 300/330              | 302.1   |
| 5AI200L2ET,ET1     | 45                 | 82.3                 | 3000                                | 92.3   | 0.90  | 2.3  | 2   | 7.5 | 300/330              | 338.1   |
| 5AI200M4ET,ET1     | 37                 | 70.9                 | 1500                                | 91.0   | 0.92  | 2.3  | 2.2 | 7.2 | 300/330              | 304.1   |
| 5AI200L4ET,ET1     | 45                 | 85                   | 1500                                | 92.6   | 0.87  | 2.3  | 2.2 | 7.2 | 300/330              | 336.1   |
| 5AI200M6ET,ET1     | 22                 | 44.7                 | 1000                                | 90.0   | 0.83  | 2.1  | 2.1 | 7.0 | 300/330              | 289.1   |
| 5AI200L6ET,ET1     | 30                 | 59.6                 | 1000                                | 90.0   | 0.85  | 2.1  | 2   | 7.0 | 300/330              | 284.1   |
| 5AI200M8ET,ET1     | 18.5               | 39                   | 750                                 | 89.0   | 0.81  | 2    | 1.9 | 6.6 | 300/330              | 291.1   |
| 5AI200L8ET,ET1     | 22                 | 45.8                 | 750                                 | 90.0   | 0.81  | 2    | 1.9 | 6.6 | 300/330              | 306.1   |
| 5AI225M2ET,ET1     | 55                 | 100                  | 3000                                | 92.5   | 0.91  | 2.3  | 2   | 7.5 | 450/500              | 368.0   |
| 5AI225M4ET,ET1     | 55                 | 101.8                | 1500                                | 92.0   | 0.89  | 2.3  | 2.2 | 7.2 | 450/500              | 381.0   |
| 5AI225M6ET,ET1     | 37                 | 72.7                 | 1000                                | 91.0   | 0.85  | 2.1  | 2.1 | 7.0 | 450/500              | 340.0   |
| 5AI225M8ET,ET1     | 30                 | 62.2                 | 750                                 | 92.6   | 0.87  | 2    | 1.9 | 7.2 | 450/500              | 357.0   |
| 5AI250S2ET,ET1     | 75                 | 135                  | 3000                                | 92.5   | 0.91  | 2.3  | 2   | 7.5 | 600/660              | 485.0   |
| 5AI250S4ET,ET1     | 75                 | 145                  | 1500                                | 92.2   | 0.95  | 2.3  | 2.2 | 7.2 | 600/660              | 505.0   |
| 5AI250S6ET,ET1     | 45                 | 85                   | 1000                                | 91.4   | 0.87  | 2    | 2.1 | 7.0 | 600/660              | 472.0   |
| 5AI280S2ET,ET1     | 110                | 199                  | 3000                                | 93.5   | 0.90  | 2.2  | 1.8 | 7.1 | 850/940              | 713.0   |
| 5AI280S6ET,ET1     | 75                 | 140                  | 1000                                | 93.5   | 0.86  | 2    | 2   | 7.0 | 850/940              | 687.0   |
| 5AI280S8ET,ET1     | 55                 | 113                  | 750                                 | 92.0   | 0.80  | 2    | 1.8 | 6.6 | 850/940              | 717.0   |

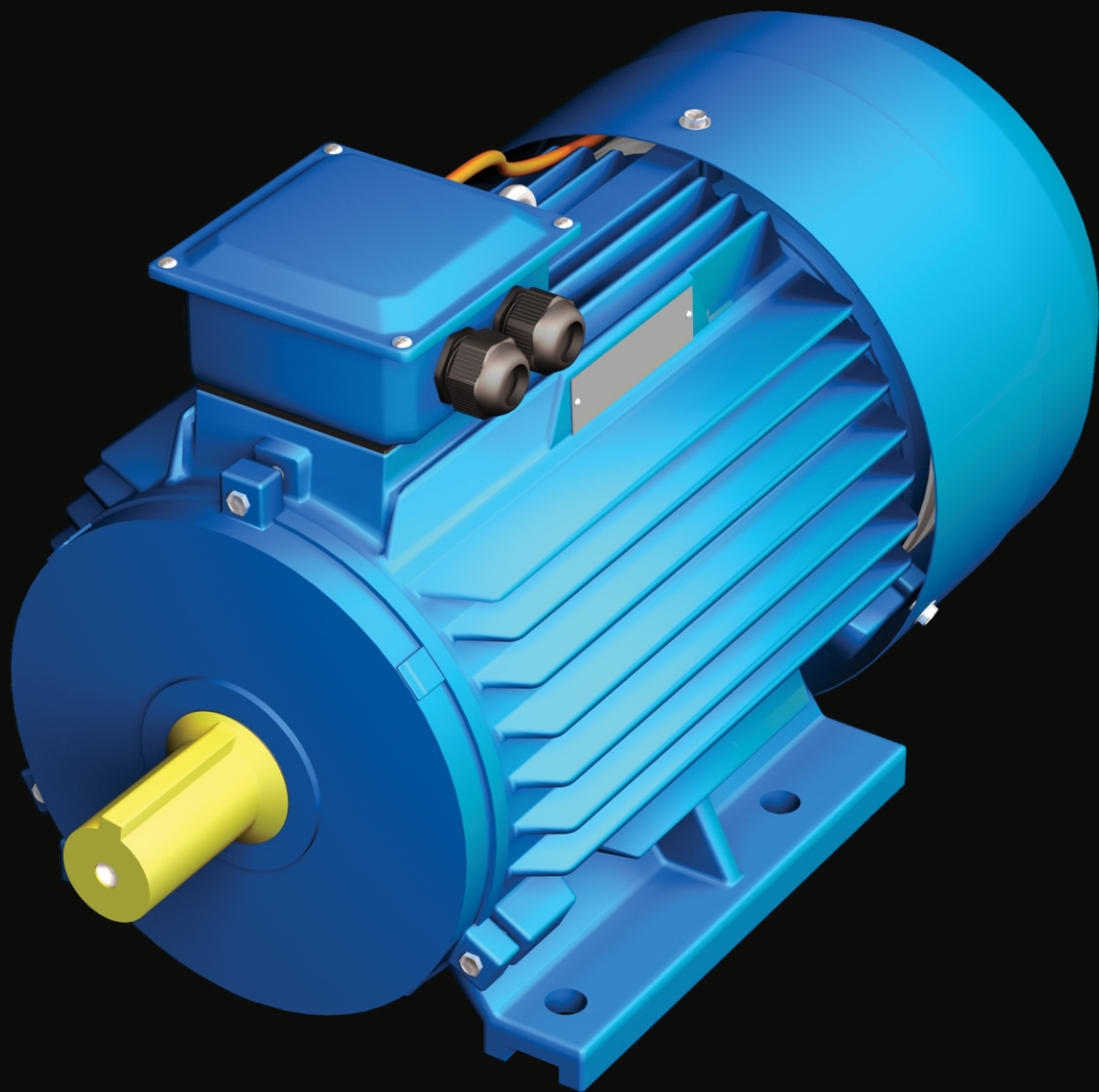






# ГАБАРИТНЫЙ ЧЕРТЕЖ ЭЛЕКТРОДВИГАТЕЛЕЙ С ЭЛЕКТРОМАГНИТНЫМ ТОРМОЗОМ





## ГАБАРИТНО-ПРИСОЕДИНИТЕЛЬНЫЕ РАЗМЕРЫ ЭЛЕКТРОДВИГАТЕЛЕЙ С ЭЛЕКТРОМАГНИТНЫМ ТОРМОЗОМ

| Тип<br>двигателя                   | Число<br>полюсов | Габаритные<br>размеры |     |     | Установочные и присоединительные размеры, мм |     |     |    |     |     |     |     |    |     |    |      |     |     |
|------------------------------------|------------------|-----------------------|-----|-----|----------------------------------------------|-----|-----|----|-----|-----|-----|-----|----|-----|----|------|-----|-----|
|                                    |                  | I30                   | h31 | d24 | I1                                           | I10 | I31 | d1 | d10 | d20 | d22 | d25 | b1 | b10 | h1 | h5   | h10 | h   |
| 5AI56ED(ET, ED1, ET1, ED2, ET2)    | 2;4              | 260                   | 143 | 140 | 21                                           | 71  | 36  | 11 | 6   | 115 | 10  | 95  | 4  | 90  | 4  | 12,5 | 7   | 56  |
| 5AI63ED(ET,ED1,ET1,ED2,ET2)        | 2;4              | 288                   | 180 | 160 | 30                                           | 80  | 40  | 14 | 6   | 130 | 10  | 110 | 5  | 100 | 5  | 16   | 8   | 63  |
| 5AI71ED(ET,ED1,ET1,ED2,ET2)        | 2;4;6;8          | 355                   | 190 | 200 | 40                                           | 90  | 45  | 19 | 8   | 165 | 12  | 130 | 6  | 112 | 6  | 21,5 | 8   | 71  |
| 5AI80AED(ET,ED1,ET1,ED2,ET2)       | 2;4;6;8          | 356                   | 204 | 200 | 50                                           | 100 | 50  | 22 | 8   | 165 | 12  | 130 | 6  | 125 | 6  | 24,5 | 9   | 80  |
| 5AI80BED(ET,ED1,ET1,ED2,ET2)       | 2;4;6;8          | 356                   | 204 | 200 | 50                                           | 100 | 50  | 22 | 8   | 165 | 12  | 130 | 6  | 125 | 6  | 24,5 | 9   | 80  |
| 5AI90LED(ET,ED1,ET1,ED2,ET2)       | 4                | 420                   | 250 | 250 | 50                                           | 125 | 56  | 24 | 12  | 215 | 14  | 180 | 8  | 140 | 7  | 27   | 10  | 90  |
| 5AI100SED(ET,ED1,ET1,ED2,ET2)      | 2;4              | 457                   | 270 | 250 | 60                                           | 112 | 63  | 28 | 12  | 215 | 14  | 180 | 8  | 160 | 7  | 31   | 14  | 100 |
| 5AI100LED(ET,ED1,ET1,ED2,ET2)      | 2;4;6;8          | 457                   | 265 | 250 | 60                                           | 140 | 63  | 28 | 12  | 215 | 14  | 180 | 8  | 160 | 7  | 31   | 13  | 100 |
| 5AI112MED(ET, ED1, ET1, ED2, ET2)  | 2;4              | 508                   | 270 | 300 | 80                                           | 140 | 70  | 32 | 12  | 265 | 15  | 230 | 10 | 190 | 8  | 35   | 14  | 112 |
| 5AI112MAED(ET, ED1, ET1, ED2, ET2) | 6;8              | 545                   | 290 | 300 | 80                                           | 140 | 70  | 32 | 12  | 265 | 14  | 230 | 10 | 190 | 8  | 35   | 14  | 112 |
| 5AI112MBED(ET, ED1, ET1, ED2, ET2) | 6;8              | 545                   | 290 | 300 | 80                                           | 140 | 70  | 32 | 12  | 265 | 14  | 230 | 10 | 190 | 8  | 35   | 14  | 112 |
| 5AI132SED(ET, ED1, ET1, ED2, ET2)  | 4;6              | 588                   | 345 | 350 | 80                                           | 140 | 89  | 38 | 12  | 300 | 19  | 250 | 10 | 216 | 8  | 41   | 15  | 132 |
| 5AI160SED(ET, ED1, ET1, ED2, ET2)  | 2                | 703                   | 420 | 350 | 110                                          | 178 | 108 | 42 | 15  | 300 | 19  | 250 | 12 | 254 | 8  | 45   | 20  | 100 |
|                                    | 4;6;8            | 718                   | 420 | 350 | 110                                          | 178 | 108 | 48 | 15  | 300 | 19  | 250 | 14 | 254 | 9  | 51,5 | 20  | 100 |
| 5AI160MED(ET, ED1, ET1, ED2, ET2)  | 2                | 588                   | 345 | 350 | 110                                          | 210 | 108 | 42 | 15  | 300 | 19  | 250 | 12 | 254 | 8  | 45   | 15  | 132 |
|                                    | 4;6;8            | 773                   | 420 | 350 | 110                                          | 210 | 108 | 48 | 15  | 300 | 19  | 250 | 14 | 254 | 9  | 51,5 | 20  | 160 |
| 5AI180SET(ET1)                     | 2                | 820                   | 455 | 400 | 110                                          | 203 | 121 | 48 | 15  | 350 | 19  | 300 | 14 | 279 | 9  | 51,5 | 22  | 180 |
|                                    | 4;6;8            | 850                   | 455 | 400 | 110                                          | 203 | 121 | 55 | 15  | 350 | 19  | 300 | 16 | 279 | 10 | 59   | 22  | 180 |
| 5AI180MET(ET1)                     | 2                | 870                   | 445 | 400 | 110                                          | 241 | 121 | 48 | 15  | 350 | 19  | 300 | 14 | 279 | 9  | 51,5 | 22  | 180 |
|                                    | 4                | 870                   | 455 | 400 | 110                                          | 241 | 121 | 55 | 15  | 350 | 19  | 300 | 16 | 279 | 10 | 59   | 22  | 180 |
| 5AI200MET(ET1)                     | 2                | 930                   | 505 | 450 | 110                                          | 267 | 133 | 55 | 19  | 400 | 19  | 350 | 16 | 318 | 10 | 59   | 25  | 200 |
|                                    | 4;6;8            | 970                   | 500 | 450 | 140                                          | 267 | 133 | 60 | 19  | 400 | 19  | 350 | 18 | 318 | 11 | 64   | 25  | 200 |
| 5AI200LET(ET1)                     | 2                | 940                   | 510 | 450 | 110                                          | 305 | 133 | 55 | 19  | 400 | 19  | 350 | 16 | 318 | 10 | 59   | 25  | 200 |
|                                    | 4;6;8            | 970                   | 510 | 450 | 140                                          | 305 | 133 | 60 | 19  | 400 | 19  | 350 | 18 | 318 | 11 | 64   | 25  | 200 |
| 5AI225MET(ET1)                     | 2                | 995                   | 550 | 550 | 110                                          | 311 | 149 | 55 | 19  | 500 | 19  | 450 | 16 | 356 | 10 | 59   | 25  | 225 |
|                                    | 4;6;8            | 995                   | 550 | 550 | 140                                          | 311 | 149 | 65 | 19  | 500 | 19  | 450 | 18 | 356 | 11 | 69   | 25  | 225 |
| 5AI250SET(ET1)                     | 2                | 1100                  | 610 | 550 | 140                                          | 311 | 168 | 65 | 24  | 500 | 19  | 450 | 18 | 406 | 11 | 69   | 32  | 250 |
|                                    | 4;6;8            | 1100                  | 610 | 550 | 140                                          | 311 | 168 | 75 | 24  | 500 | 19  | 450 | 20 | 406 | 12 | 79,5 | 32  | 250 |
| 5AI250MET(ET1)                     | 2                | 1100                  | 610 | 550 | 140                                          | 349 | 168 | 65 | 24  | 500 | 19  | 450 | 18 | 406 | 11 | 69   | 32  | 250 |
|                                    | 4;6;8            | 1100                  | 610 | 550 | 140                                          | 349 | 168 | 75 | 24  | 500 | 19  | 450 | 20 | 406 | 12 | 79,5 | 32  | 250 |
| 5AI280SET(ET1)                     | 2                | 1200                  | 660 | 660 | 140                                          | 368 | 190 | 70 | 24  | 600 | 24  | 550 | 20 | 475 | 11 | 74,5 | 32  | 280 |
|                                    | 4;6;8            | 1200                  | 660 | 660 | 170                                          | 368 | 190 | 80 | 24  | 600 | 24  | 550 | 22 | 475 | 12 | 85   | 32  | 280 |
| 5AI280MET(ET1)                     | 2                | 1270                  | 660 | 660 | 140                                          | 419 | 190 | 70 | 24  | 600 | 24  | 550 | 20 | 475 | 11 | 74,5 | 30  | 280 |
|                                    | 4;6;8            | 1300                  | 660 | 660 | 170                                          | 419 | 190 | 80 | 24  | 600 | 24  | 550 | 22 | 475 | 12 | 85   | 30  | 280 |

ED - электромагнитный тормоз (питание 220В), ET - электромагнитный тормоз (питание 380В), ED1 - электромагнитный тормоз с независимым питанием 220В, ET1 - электромагнитный тормоз с независимым питанием 380В, ED2 - электромагнитный тормоз (питание 220В) с ручным растормаживающим устройством, ET2 - электромагнитный тормоз (питание 380В) с ручным растормаживающим устройством.







