

**3-фазные асинхронные двигатели
с короткозамкнутым ротором
Многоскоростные для привода вентиляторов
380 В 50 Гц IP54 или 55 IC411**

Установочно-присоединительные размеры:
серии А; АИР по стандартам ГОСТ Р 51689
серии RA по нормам DIN EN

**3-phase induction squirrel-cage motors
Pole-changing totally enclosed fan-cooled
380 V 50 Hz IP54 or 55 IC411**

| Высота оси вращения Frame size mm | Мощность Rated output kW | Тип Type | Частота вращения Rated speed rpm | КПД Efficiency % | Коэф. мощност и Power factor cosφ | Ток при 380 В Current at 380 V A | I _{пуск} IN IA/IN | M _{пуск} MN MA/MN | M _{макс} MN MK/MN | Момент инерции Moment of inertia J кгм ² kgm ² | Масса IM1001 Mass IM B3 кг kg Al Iron | Схема соединения |
|--|-----------------------------------|-------------|--|------------------------|--|--|----------------------------------|----------------------------------|----------------------------------|--|---|---------------------|
|--|-----------------------------------|-------------|--|------------------------|--|--|----------------------------------|----------------------------------|----------------------------------|--|---|---------------------|

Многоскоростные двигатели с моментом вращения, квадратично изменяющимся

1500/3000 об/мин

с полюснопереключаемой обмоткой - схема Даландера (Y/Y)

| | | | | | | | | | | | | |
|-----|------|-----------|------|------|------|--|------|-----|-----|-------|-----|-------|
| 250 | 14.0 | A250M4/2 | 1480 | 91.8 | 0.88 | | 10.5 | 3.7 | 4.0 | 0,800 | 550 | S1302 |
| 280 | 80.0 | RA280M4/2 | 2955 | 91.9 | 0.93 | | 9.5 | 2.8 | 3.4 | | | |

1000/1500 об/мин

с двумя отдельными обмотками

| | | | | | | | | | | | | |
|-----|------|------------|------|------|------|------|-----|-----|-----|--------|------|-------|
| 80 | 0.12 | A71A6/4 | 950 | 43 | 0.73 | 0.58 | 2.6 | 1.3 | 1.9 | 0,0016 | 10 | S1401 |
| | 0.4 | RA80A6/4 | 1435 | 58 | 0.78 | 1.35 | 3.3 | 1.2 | 1.8 | | | |
| 80 | 0.18 | A71B6/4 | 950 | 50 | 0.72 | 0.76 | 2.9 | 1.3 | 2.1 | 0,002 | 11.3 | S1401 |
| | 0.55 | RA80B6/4 | 1440 | 64 | 0.77 | 1.69 | 3.8 | 1.2 | 2.1 | | | |
| 90 | 0.28 | A80A6/4 | 950 | 51 | 0.72 | 1.16 | 2.6 | 1.3 | 1.9 | 0.0034 | 14.0 | S1401 |
| | 0.9 | RA90S6/4 | 1415 | 71 | 0.83 | 2.1 | 3.6 | 1.5 | 2.0 | | | |
| 90 | 0.37 | A80B6/4 | 930 | 53 | 0.75 | 1.41 | 2.5 | 1.1 | 1.5 | 0.0042 | 16.0 | S1401 |
| | 1.2 | RA90L6/4 | 1420 | 73 | 0.79 | 3.16 | 4.2 | 1.7 | 2.2 | | | |
| 100 | 0.55 | A100S6/4 | 930 | 56 | 0.76 | 1.96 | 2.7 | 1.1 | 2.2 | 0.0059 | 21.0 | S1401 |
| | 1.7 | RA100LA6/4 | 1415 | 74 | 0.80 | 4.36 | 4.5 | 1.7 | 2.7 | | | |
| 100 | 0.75 | A90A6/4 | 960 | 63 | 0.71 | 2.55 | 3.3 | 1.1 | 2.2 | 0.0088 | 26.0 | S1401 |
| | 2.2 | RA100LB6/4 | 1450 | 81 | 0.80 | 5.16 | 5.9 | 2.0 | 2.9 | | | |
| 112 | 0.9 | A100L6/4 | 960 | 68 | 0.67 | 3.0 | 3.7 | 1.5 | 2.4 | 0.0101 | 30.0 | S1401 |
| | 3.0 | RA112M6/4 | 1440 | 81 | 0.80 | 7.1 | 5.9 | 2.0 | 2.3 | | | |
| 132 | 1.3 | A132A6/4 | 975 | 71 | 0.68 | 4.1 | 4.2 | 1.4 | 2.4 | 0.0214 | 45.0 | S1401 |
| | 3.8 | RA132S6/4 | 1460 | 85 | 0.83 | 8.2 | 7.3 | 2.3 | 3.1 | | | |
| 132 | 2.0 | A132M6/4 | 975 | 75 | 0.66 | 6.1 | 4.9 | 1.6 | 2.7 | 0.0321 | 62.0 | S1401 |
| | 6.0 | RA132M6/4 | 1460 | 87 | 0.81 | 12.9 | 8.2 | 2.8 | 3.7 | | | |
| 160 | 2.7 | A160A6/4 | 985 | 74 | 0.80 | 7 | 4.5 | 1.0 | 2.2 | 0.080 | 83.0 | S1401 |
| | 7.5 | RA160MA6/4 | 1465 | 87 | 0.83 | 16 | 7.0 | 1.9 | 3.0 | | | |
| 160 | 3.0 | A160A6/4 | 980 | 78 | 0.80 | 7 | 5.0 | 1.2 | 2.3 | 0.111 | 102 | S1401 |
| | 9.0 | RA160MB6/4 | 1470 | 87 | 0.86 | 18 | 8.0 | 1.9 | 3.1 | | 133 | |
| 160 | 4.0 | A160S6/4 | 980 | 79 | 0.85 | 9 | 5.0 | 1.0 | 2.0 | 0.111 | 102 | S1401 |
| | 12.0 | RA160L6/4 | 1470 | 87 | 0.82 | 25.5 | 7.5 | 2.1 | 3.2 | | 133 | |
| 200 | 5.0 | A200A6/4 | 987 | 80.4 | 0.85 | 11 | 6.6 | 1.3 | 3.8 | 0.204 | 195 | S1401 |
| | 17.0 | RA200LA6/4 | 1466 | 86.4 | 0.89 | 33.5 | 6.0 | 1.3 | 2.9 | | | |
| 200 | 7.0 | A200M6/4 | 988 | 82.2 | 0.84 | 15.5 | 7.2 | 1.5 | 3.9 | 0.210 | 210 | S1401 |
| | 23.0 | RA200LB6/4 | 1470 | 87.7 | 0.87 | 46 | 6.9 | 1.6 | 3.3 | | | |
| 200 | 8.0 | A200L6/4 | 988 | 83.4 | 0.86 | 17 | 7.2 | 1.5 | 3.9 | 0.350 | 250 | S1401 |
| | 27.0 | RA225M6/4 | 1472 | 88.4 | 0.87 | 53 | 7.4 | 1.8 | 3.4 | | | |
| 225 | 11.0 | A225MA6/4 | 989 | 85.5 | 0.87 | 22.5 | 6.7 | 1.4 | 4.0 | 0.516 | 308 | S1401 |
| 250 | 35.0 | RA250MA6/4 | 1475 | 90 | 0.92 | 64 | 6.5 | 1.3 | 2.9 | | | S1401 |
| 225 | 12.5 | A225MB6/4 | 990 | 86 | 0.86 | 26 | 7.2 | 1.5 | 4.1 | 0.553 | 316 | S1401 |
| 250 | 40.0 | RA250MB6/4 | 1480 | 90.6 | 0.86 | 78.0 | 8.2 | 1.8 | 3.5 | | | S1401 |
| | 18.0 | A250S6/4 | 977 | 87.3 | 0.86 | 36 | 5.6 | 2.1 | 2.9 | 0.619 | 450 | |
| 250 | 49.0 | RA280S6/4 | 1472 | 92.7 | 0.89 | 90 | 6.2 | 1.7 | 2.8 | | | S1401 |

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Установочно-присоединительные размеры:
серии А; АИР по стандартам ГОСТ Р 51689
серии RA по нормам DIN EN

**3-phase induction squirrel-cage motors
Pole-changing totally enclosed fan-cooled
380 V 50 Hz IP54 or 55 IC411**

| Высота оси вращения Frame size mm | Мощность Rated output kW | Тип Type | Частота вращения Rated speed rpm | КПД Efficiency % | Коэф. мощност и Power factor cosφ | Ток при 380 В Current at 380 V A | I _{пуск} IN IA/IN | M _{пуск} MN MA/MN | M _{макс} MN MK/MN | Момент инерции Moment of inertia J кгм ² kgm ² | Масса IM1001 Mass IM B3 кг kg Al Iron | Схема соединения |
|--|-----------------------------------|-------------|--|------------------------|--|--|----------------------------------|----------------------------------|----------------------------------|--|---|---------------------|
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Многоскоростные двигатели с моментом вращения, квадратично изменяющимся

750/1500 об/мин

с полюснопереключаемой обмоткой - схема Даландера (Y/Y)

| | | | | | | | | | | | | | |
|-----|------|------------|------|------|------|------|-----|-----|-----|--------|------|-------|-------|
| 80 | 0.12 | A71A8/4 | 695 | 41.0 | 0.65 | 0.68 | 2.2 | 1.7 | 2.0 | 0,0016 | 10 | | |
| | 0.55 | RA80A8/4 | 1415 | 67.0 | 0.78 | 1.6 | 3.8 | 1.5 | 2.0 | | | | |
| 80 | 0.15 | A71B8/4 | 700 | 42.0 | 0.63 | 0.86 | 2.4 | 1.6 | 2.0 | 0,002 | 11.3 | | |
| | 0.7 | RA80B8/4 | 1420 | 68.0 | 0.77 | 2.03 | 3.7 | 1.4 | 2.0 | | | | |
| 90 | 0.25 | A80A8/4 | 690 | 49.0 | 0.65 | 1.19 | 2.4 | 1.5 | 1.8 | 0.0034 | 14.0 | | |
| | 1.0 | RA90S8/4 | 1420 | 72.0 | 0.79 | 2.67 | 4.2 | 1.7 | 2.2 | | | | |
| 90 | 0.35 | A80B8/4 | 690 | 53.0 | 0.65 | 1.55 | 2.6 | 1.5 | 1.8 | 0.0042 | 16.0 | | |
| | 1.4 | RA90L8/4 | 1415 | 72.0 | 0.81 | 3.68 | 4.3 | 1.5 | 2.1 | | | | |
| 100 | 0.55 | | 705 | 60.0 | 0.60 | 2.3 | 3.0 | 1.6 | 2.4 | 0.0088 | 26.0 | | |
| | 2.2 | RA100LA8/4 | 1450 | 81.0 | 0.78 | 5.3 | 5.7 | 1.9 | 2.8 | | | | |
| 100 | 0.65 | A100L8/4 | 705 | 64.0 | 0.60 | 2.57 | 3.0 | 1.7 | 2.4 | 0.0101 | 30 | | |
| | 2.6 | RA100LB8/4 | 1440 | 81.0 | 0.80 | 6.1 | 5.8 | 2.0 | 2.7 | | | | |
| 112 | 0.9 | A112M8/4 | 710 | 67.0 | 0.61 | 3.35 | 3.4 | 1.6 | 2.2 | 0.0130 | 38.0 | | |
| | 3.6 | RA112M8/4 | 1440 | 82.0 | 0.82 | 8.1 | 5.9 | 1.9 | 2.6 | | | | |
| 132 | 1.3 | | 720 | 73.0 | 0.62 | 4.3 | 3.9 | 1.6 | 2.4 | 0.0214 | 45.0 | 65.0 | |
| | 5.0 | RA132S8/4 | 1455 | 84.0 | 0.81 | 11.2 | 6.9 | 1.9 | 2.9 | | | | |
| 132 | 1.7 | A132M8/4 | 720 | 75.0 | 0.57 | 6.0 | 4.6 | 1.9 | 3.0 | 0.0321 | 62.0 | 87.0 | |
| | 7.0 | RA132M8/4 | 1460 | 86.0 | 0.81 | 15.2 | 7.9 | 2.3 | 3.3 | | | | |
| 160 | 3.0 | AИР160S8/4 | 720 | 82.0 | 0.73 | 8 | 3.4 | 1.0 | 1.8 | 0.076 | 98 | 120 | S1302 |
| | 11.0 | RA160MA8/4 | 1465 | 88.0 | 0.90 | 21 | 6.4 | 1.5 | 2.6 | | | | |
| 160 | 4.0 | AИР160M8/4 | 730 | 84.4 | 0.70 | 10 | 4.0 | 1.4 | 2.1 | 0.094 | 112 | 142 | S1302 |
| | 14.0 | RA160L8/4 | 1475 | 89.0 | 0.88 | 27 | 7.5 | 1.9 | 2.9 | | | | |
| 180 | 5.0 | A180M8/4 | 725 | 84.5 | 0.72 | 12.5 | 4.2 | 1.3 | 2.0 | 0.139 | 162 | 190 | S1302 |
| | 20.0 | RA180L8/4 | 1465 | 89.0 | 0.90 | 38 | 7.5 | 1.9 | 3.0 | | | | |
| 200 | 5.5 | | 735 | 87.4 | 0.67 | 14 | 5.3 | 1.7 | 2.5 | 0.164 | 210 | S1302 | |
| | 22.0 | RA200L8/4 | 1470 | 90.0 | 0.87 | 43 | 7.5 | 1.7 | 3.0 | | | | |
| 200 | 6.7 | A200M8/4 | 735 | 88.0 | 0.68 | 17 | 5.3 | 1.7 | 2.5 | 0.194 | 230 | S1302 | |
| 225 | 27.0 | RA225S8/4 | 1470 | 90.5 | 0.88 | 51.5 | 7.8 | 1.7 | 3.0 | | | | |
| 200 | 8.0 | A200L8/4 | 735 | 88.5 | 0.66 | 21 | 5.7 | 2.0 | 2.7 | 0.225 | 260 | S1302 | |
| 225 | 32.0 | RA225M8/4 | 1475 | 91.3 | 0.86 | 62 | 9.0 | 2.0 | 3.5 | | | | |
| 225 | 11.0 | A225M8/4 | 735 | 88.0 | 0.68 | 28 | 4.9 | 1.7 | 2.6 | 0.408 | 340 | S1302 | |
| 250 | 40.0 | RA250M8/4 | 1480 | 91.5 | 0.87 | 76 | 8.6 | 2.2 | 3.8 | | | | |
| 280 | 17.0 | A280S8/4 | 740 | 92.0 | 0.80 | 35 | 7.2 | 1.8 | 3.1 | 1.5 | 570 | S1302 | |
| | 68.0 | RA315S8/4 | 1485 | 92.5 | 0.92 | 121 | 8.5 | 1.9 | 3.5 | | | | |

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серии А; АИР по стандартам ГОСТ Р 51689
серии RA по нормам DIN EN

3-phase induction squirrel-cage motors

**Pole-changing totally enclosed fan-cooled
380 V 50 Hz IP54 or 55 IC411**

| Высота оси вращения Frame size mm | Мощность Rated output kW | Тип Type | Частота вращения Rated speed rpm | КПД Efficiency % | Коэф. мощности Power factor cosφ | Ток при 380 В Current at 380 V A | I _{пуск} IN IA/IN | M _{пуск} MN MA/MN | M _{макс} MN MK/MN | Момент инерции Moment of inertia J кгм ² kgm ² | Масса IM1001 Mass IM B3 кг kg Al Iron | Схема соединения |
|--|-----------------------------------|-------------|--|------------------------|--|--|----------------------------------|----------------------------------|----------------------------------|--|---|---------------------|
|--|-----------------------------------|-------------|--|------------------------|--|--|----------------------------------|----------------------------------|----------------------------------|--|---|---------------------|

Многоскоростные двигатели с моментом вращения, квадратично изменяющимся

750/1000 об/мин

с двумя отдельными обмотками

| | | | | | | | | | | | | |
|-----|------|------------|-----|------|------|------|-----|-----|-----|-------|-----|-------|
| 200 | 6.4 | | 734 | 81.1 | 0.80 | 15 | 5.7 | 1.4 | 2.8 | 0.231 | 195 | S1401 |
| | 15.0 | RA200L8/6 | 976 | 87.4 | 0.83 | 31.5 | 5.8 | 1.6 | 2.7 | | | |
| 200 | 7.6 | A200M8/6 | 734 | 82.1 | 0.81 | 17.5 | 5.7 | 1.4 | 2.8 | 0.280 | 210 | S1401 |
| | 18.0 | RA225S8/4 | 982 | 88.2 | 0.79 | 39 | 6.0 | 1.6 | 2.8 | | | |
| 200 | 8.5 | A200LA8/6 | 734 | 83.1 | 0.81 | 19 | 5.8 | 1.4 | 2.8 | 0.307 | 235 | S1401 |
| 225 | 20.0 | RA225MA8/6 | 974 | 88.5 | 0.86 | 40 | 5.6 | 1.5 | 2.6 | | | |
| 200 | 9.5 | A200LB8/6 | 734 | 84.1 | 0.80 | 21.5 | 6.0 | 1.5 | 3.0 | 0.350 | 250 | S1401 |
| 225 | 22.0 | RA225MB8/6 | 978 | 89.1 | 0.83 | 45 | 6.4 | 1.9 | 3.0 | | | |
| 225 | 12.0 | A225M8/6 | 737 | 86.3 | 0.80 | 26.5 | 5.9 | 1.5 | 3.0 | 0.516 | 308 | S1401 |
| 250 | 28.0 | RA250M8/6 | 982 | 91.0 | 0.85 | 55 | 5.9 | 1.5 | 2.7 | | | |
| 250 | 17.0 | A250S8/6 | 740 | 87.7 | 0.80 | 37 | 6.9 | 1.9 | 2.7 | 1.010 | 440 | S1401 |
| | 42.0 | RA280S8/6 | 985 | 91.6 | 0.89 | 78 | 5.3 | 1.0 | 1.8 | | | |

500/1000 об/мин

с полюснопереключаемой обмоткой - схема Даландера (Y/Y)

| | | | | | | | | | | | | |
|-----|------|-------------|-----|------|------|------|-----|-----|-----|-------|-----|-------|
| 200 | 3.4 | | 489 | 81.1 | 0.57 | 11 | 4.9 | 2.1 | 3.0 | 0.231 | 195 | S1302 |
| | 16.0 | RA200L12/6 | 978 | 85.4 | 0.78 | 36.5 | 6.8 | 2.1 | 3.2 | | | |
| 200 | 4.3 | A200M12/6 | 489 | 82.6 | 0.59 | 13.5 | 4.9 | 2.1 | 3.1 | 0.280 | 210 | S1302 |
| 225 | 20.0 | RA225S12/6 | 978 | 86.4 | 0.80 | 44 | 7.0 | 2.1 | 3.3 | | | |
| 200 | 5.0 | A200L12/6 | 488 | 83.7 | 0.60 | 15 | 4.8 | 2.0 | 3.0 | 0.350 | 245 | S1302 |
| 225 | 23.0 | RA225M12/6 | 977 | 87.2 | 0.82 | 49 | 7.0 | 2.1 | 3.3 | | | |
| 225 | 7.2 | A225MA12/6 | 488 | 86 | 0.64 | 20 | 3.7 | 1.3 | 2.1 | 0.516 | 308 | S1302 |
| 250 | 29.0 | RA250MA12/6 | 984 | 90.5 | 0.84 | 58 | 7.1 | 1.9 | 2.5 | | | |
| 225 | 7.8 | A225MA12/6 | 490 | 86.5 | 0.62 | 22 | 4.1 | 1.5 | 2.3 | 0.553 | 316 | S1302 |
| 250 | 31.0 | RA250MA12/6 | 986 | 90.8 | 0.81 | 64 | 7.9 | 2.3 | 2.8 | | | |