



MOTEURS TRIPHASES 3000 T/MN

MA - A4C - Moteur triphasé
CONSTRUCTION

Moteur asynchrone triphasé.
Pattes démontables.
Fermé IP55
Classe F
Tropicalisé
Fréquence 50 Hz.

Bobinage cuivre émaillé grade 2, classe F ou H, imprégnation pour climats tropicaux.
- Rotor cage aluminium, équilibrage dynamique selon norme IEC 34.14 (réalisé avec demi clavette).
- Étanchéité assurée au passage de l'arbre par joint labyrinthe, roulements graissés à vie jusqu'à H.A. 250, (possibilité graisseur sur 160 à 250 de H.A.), avec graisseur en standard de 280 à 400 de H.A.
- Fonctionnement toutes positions jusqu'à 250 de H.A.

OPTIONS

(liste non limitative)
- Isolement classe H, traitement bobinage pour ambiance humide et corrosive, peinture pour ambiance corrosive.
- Résistances anti-condensation, protection thermique, sonde PT 100, tension et fréquences spéciales.
- Deuxième bout d'arbre, paliers lisses, pré-disposition tachy, vibration réduite

**PATTES
DÉMONTABLES**



**Carcasse orientable
de 100 à 200
de hauteur d'axe**

Caractéristiques et
dimensions pages 18,19

3000 t/mn - 2 pôles - 63 à 315 h.a.

| TYPE | KW | B3 | | | B5 | | | B14 | | | |
|---------|-------|---------|---------|-----------|------------------|---------|-----------|------------------|---------|-----------|---|
| | | 230/400 | 400/690 | P.u. HT € | 230/400 | 400/690 | P.u. HT € | 230/400 | 400/690 | P.u. HT € | |
| MA 63 | A 2 | 0,18 | 130 006 | | 145.30 | 132 955 | | 160.80 | 135 938 | | 160.80 |
| | B 2 | 0,25 | 130 014 | | 157.80 | 132 963 | | 173.40 | 135 946 | | 173.40 |
| | C 2* | 0,37 | 130 022 | | 167.20 | 132 971 | | 179.70 | 135 954 | | 179.70 |
| MA 71 | A 2 | 0,37 | 130 030 | | 173.40 | 132 998 | | 189.40 | 135 962 | | 189.40 |
| | B 2 | 0,55 | 130 049 | | 189.40 | 133 005 | | 211.40 | 135 970 | | 211.40 |
| | C 2* | 0,75 | 130 057 | | 192.30 | 133 013 | | 214.50 | 135 989 | | 214.50 |
| MA 80 | A 2 | 0,75 | 130 065 | | 208.10 | 133 021 | | 227.10 | 135 997 | | 227.10 |
| | B 2 | 1,1 | 130 073 | | 236.60 | 133 048 | | 258.60 | 136 004 | | 258.60 |
| | C 2* | 1,5 | 130 081 | | 249.10 | 133 056 | | 268.10 | 136 012 | | 268.10 |
| MA 90 | S 2 | 1,5 | 130 103 | | 258.60 | 133 064 | | 287.00 | 136 020 | | 287.00 |
| | L 2 | 2,2 | 130 111 | | 334.20 | 133 072 | | 365.80 | 136 039 | | 365.80 |
| | LB 2* | 3 | 130 138 | | 368.90 | 133 080 | | 403.60 | 136 047 | | 403.60 |
| MA 100 | LA 2 | 3 | 130 146 | 130 588 | 410.10 | 133 099 | | 454.10 | 136 055 | | 454.10 |
| | LB 2* | 4 | 130 154 | 130 596 | 450.90 | 133 102 | | 501.50 | 136 063 | | 501.50 |
| MA 112 | M 2 | 4 | 130 162 | 130 604 | 495.10 | 133 110 | | 536.20 | 136 071 | | 536.20 |
| | MB 2* | 5,5 | 130 170 | 130 618 | 580.30 | 133 129 | | 624.40 | 136 098 | | 624.40 |
| MA 132 | SA 2 | 5,5 | 130 189 | 130 626 | 652.70 | 133 137 | | 709.40 | | | 709.40 |
| | SB 2 | 7,5 | 130 197 | 130 634 | 829.30 | 133 145 | | 892.50 | | | 892.50 |
| | MB 2 | 9,2 | 130 200 | 130 642 | 1 006.00 | 133 153 | | 1 075.00 | | | 1 075.00 |
| | MC 2* | 11 | 130 219 | 130 650 | 1 076.00 | 133 161 | | 1 152.00 | | | 1 152.00 |
| A4C 160 | MA 2 | 11 | 130 227 | 130 669 | 1 119.00 | | | 1 215.00 | | | * Puissances spéciales en supplément de la norme. |
| | MB 2 | 15 | 130 235 | 130 677 | 1 416.00 | | | 1 537.00 | | | |
| | L 2 | 18,5 | 130 243 | 130 685 | 1 814.00 | | | 1 967.00 | | | |
| A4C 180 | M 2 | 22 | 130 251 | 130 693 | 2 247.00 | | | 2 438.00 | | | |
| A4C 200 | LA 2 | 30 | 130 278 | 130 707 | 2 949.00 | | | 3 199.00 | | | |
| | LB 2 | 37 | | 130 715 | 3 683.00 | | | 3 995.00 | | | |
| A4C 225 | M 2 | 45 | | 130 723 | 4 136.00 | | | 4 487.00 | | | |
| A4C 250 | M 2 | 55 | | 130 731 | 5 550.00 | | | 6 022.00 | | | |
| A4C 280 | S 2 | 75 | | 130 744 | 7 409.00 | | | 8 039.00 | | | |
| | M 2 | 90 | | 130 758 | 9 272.00 | | | 10 060.00 | | | |
| A4C 315 | S 2 | 110 | | 130 766 | 13 937.00 | | | 15 122.00 | | | |

Puissances supérieures jusqu'à 630 KW nous consulter.

MOTEURS TRIPHASES 1500 t/mn



**PATTES
DÉMONTABLES**



**Carcasse orientable
de 100 à 200
de hauteur d'axe**

Caractéristiques et
dimensions pages 18,19

| 1500 t/mn - 4 pôles - 63 à 315 | | | | | | | | | | | |
|--------------------------------|-------|---------|---------|-----------|------------------|---------|-----------|------------------|---------|-----------|-----------------|
| TYPE | KW | B3 | | | B5 | | | B14 | | | |
| | | 230/400 | 400/690 | P.u. HT € | 230/400 | 400/690 | P.u. HT € | 230/400 | 400/690 | P.u. HT € | |
| MA 63 | A 4 | 0,12 | 130 901 | | 132.70 | 133 870 | | 145.00 | 136 128 | | 145.00 |
| | B 4 | 0,18 | 130 928 | | 144.70 | 133 889 | | 157.20 | 136 136 | | 157.20 |
| | C 4* | 0,25 | 130 936 | | 151.40 | 133 897 | | 163.50 | 136 144 | | 163.50 |
| MA 71 | A 4 | 0,25 | 130 944 | | 158.20 | 133 900 | | 169.50 | 136 152 | | 169.50 |
| | B 4 | 0,37 | 130 952 | | 173.40 | 133 919 | | 185.00 | 136 160 | | 185.00 |
| | C 4* | 0,55 | 130 960 | | 179.70 | 133 927 | | 191.40 | 136 179 | | 191.40 |
| MA 80 | A 4 | 0,55 | 130 979 | | 189.40 | 133 935 | | 206.60 | 136 187 | | 206.60 |
| | B 4 | 0,75 | 130 987 | | 208.10 | 133 943 | | 221.90 | 136 195 | | 221.90 |
| | C 4* | 0,92 | 130 995 | | 211.40 | 133 951 | | 225.10 | 136 209 | | 225.10 |
| MA 90 | S 4 | 1,1 | 131 002 | | 236.60 | 133 978 | | 255.90 | 136 217 | | 255.90 |
| | L 4 | 1,5 | 131 010 | | 280.70 | 133 986 | | 299.00 | 136 225 | | 299.00 |
| | LB 4* | 1,84 | 131 029 | | 285.40 | 133 994 | | 320.60 | 136 233 | | 320.60 |
| MA 100 | LA 4 | 2,2 | 131 037 | 131 479 | 356.30 | 134 001 | | 385.40 | 136 241 | | 385.40 |
| | LB 4 | 3 | 131 045 | 131 487 | 419.30 | 134 028 | | 453.10 | 136 268 | | 453.10 |
| MA 112 | M 4 | 4 | 131 053 | 131 495 | 520.10 | 134 036 | | 548.70 | 136 276 | | 548.70 |
| | MS 4* | 4,8 | 131 061 | 131 509 | 592.80 | 134 044 | | 613.50 | 136 284 | | 613.50 |
| MA 132 | SA 4 | 5,5 | 131 088 | 131 517 | 678.10 | 134 052 | | 712.20 | | | 712.20 |
| | MA 4 | 7,5 | 131 096 | 131 525 | 873.50 | 134 060 | | 918.80 | | | 918.80 |
| | MB 4* | 9,2 | 131 118 | 131 533 | 1 025.00 | 134 079 | | 1 091.00 | | | 1 091.00 |
| A4C 160 | M 4 | 11 | 131 126 | 131 541 | 1 136.00 | | | 1 232.00 | | | |
| | L 4 | 15 | 131 134 | 131 554 | 1 483.00 | | | 1 609.00 | | | |
| A4C 180 | M 4 | 18,5 | 131 142 | 131 568 | 1 875.00 | | | 2 034.00 | | | |
| | L 4 | 22 | 131 150 | 131 576 | 2 208.00 | | | 2 395.00 | | | |
| A4C 200 | L 4 | 30 | 131 169 | 131 584 | 2 859.00 | | | 3 102.00 | | | |
| A4C 225 | S 4 | 37 | 131 177 | 131 592 | 3 545.00 | | | 3 846.00 | | | |
| | M 4 | 45 | 131 185 | 131 606 | 4 008.00 | | | 4 566.00 | | | |
| A4C 250 | M 4 | 55 | | 131 614 | 5 256.00 | | | 5 703.00 | | | |
| A4C 280 | S 4 | 75 | | 131 622 | 6 963.00 | | | 7 555.00 | | | |
| | M 4 | 90 | | 131 630 | 8 671.00 | | | 9 407.00 | | | |
| A4C 315 | S4 | 110 | | 131 649 | 11 522.00 | | | 12 502.00 | | | |

Puissances supérieures jusqu'à 630 KW nous consulter.



MOTEURS TRIPHASES 1000 t/mn

MA - A4C - Moteur triphasé

CONSTRUCTION

Moteur asynchrone triphasé.
Pattes démontables.
Fermé IP55
Classe F
Tropicalisé
Fréquence 50 Hz.

Bobinage cuivre émaillé grade 2, classe F ou H, imprégnation pour climats tropicaux.
- Rotor cage aluminium, équilibrage dynamique selon norme IEC 34.14 (réalisé avec demi clavette).
- Étanchéité assurée au passage de l'arbre par joint labyrinthe, roulements graissés à vie jusqu'à H.A. 250, (possibilité graisseur sur 160 à 250 de H.A.), avec graisseur en standard de 280 à 400 de H.A.
- Fonctionnement toutes positions jusqu'à 250 de H.A.

OPTIONS

(liste non limitative)
- Isolement classe H, traitement bobinage pour ambiance humide et corrosive, peinture pour ambiance corrosive.
- Résistances anti-condensation, protection thermique, sonde PT 100, tension et fréquences spéciales.
- Deuxième bout d'arbre, paliers lisses, pré-disposition tachy, vibration réduite

**PATTES
DÉMONTABLES**



**Carcasse orientable
de 100 à 200
de hauteur d'axe**

1000 t/mn - 6 pôles - 63 à 132 h.a.

| TYPE | KW | B3 | | | B5 | | | B14 | | |
|--------------|------|---------|---------|------------------|-----------------|---------|------------------|-----------------|---------|-----------------|
| | | 230/400 | 400/690 | P.u. HT € | 230/400 | 400/690 | P.u. HT € | 230/400 | 400/690 | P.u. HT € |
| MA 63 A 6 | 0,09 | 131 797 | | 180.10 | 134 745 | | 195.40 | 136 306 | | 195.40 |
| MA 63 B 6 | 0,12 | 131 800 | | 183.20 | 134 753 | | 198.80 | 136 314 | | 198.80 |
| MA 71 A 6 | 0,18 | 131 819 | | 186.60 | 134 761 | | 202.50 | 136 322 | | 202.50 |
| MA 71 B 6 | 0,25 | 131 827 | | 202.50 | 134 788 | | 219.80 | 136 330 | | 219.80 |
| MA 80 A 6 | 0,37 | 131 835 | | 250.70 | 134 796 | | 272.00 | 136 349 | | 272.00 |
| MA 80 B 6 | 0,55 | 131 843 | | 261.80 | 134 818 | | 284.00 | 136 357 | | 284.00 |
| MA 90 S 6 | 0,75 | 131 851 | | 293.20 | 134 826 | | 318.10 | 136 365 | | 318.10 |
| MA 90 L 6 | 1,1 | 131 878 | | 360.10 | 134 834 | | 390.70 | 136 373 | | 390.70 |
| MA 100 LA 6 | 1,5 | 131 886 | | 437.40 | 134 842 | | 474.50 | 136 381 | | 474.50 |
| MA 112 M 6 | 2,2 | 131 894 | | 553.10 | 134 850 | | 600.00 | 136 403 | | 600.00 |
| | SA 6 | 3 | 131 908 | 132 254 | 687.90 | 134 869 | | 746.40 | | 746.40 |
| MA 132 MA 6 | 4 | 131 916 | 132 262 | 864.80 | 134 877 | | 938.30 | | | 938.30 |
| | MB 6 | 5,5 | 131 924 | 132 270 | 1 125.00 | 134 885 | | 1 221.00 | | 1 221.00 |
| A4C 160 M 6 | 7,5 | 131 932 | 132 289 | 1 300.00 | | | 1 411.00 | | | |
| | L 6 | 11 | 131 940 | 132 297 | 1 875.00 | | 2 034.00 | | | |
| A4C 180 L 6 | 15 | | 132 300 | 3 062.00 | | | 2 759.00 | | | |
| A4C 200 LA 6 | 18,5 | 131 967 | 132 319 | 3 084.00 | | | 3 322.00 | | | |
| | LB6 | 22 | | 3 596.00 | | | 3 902.00 | | | |
| A4C 225 M 6 | 30 | | 132 335 | 4 761.00 | | | 5 165.00 | | | |
| A4C 250 M 6 | 37 | | | 5 870.00 | | | 6 369.00 | | | |
| | S 6 | 45 | | 7 033.00 | | | 7 630.00 | | | |
| A4C 280 M 6 | 55 | | | 8 740.00 | | | 9 482.00 | | | |
| A4C 315 S 6 | 75 | | | 13 242.00 | | | 14 367.00 | | | |

Caractéristiques et
dimensions pages 18,19

Puissances supérieures jusqu'à 630 KW nous consulter.

MOTEURS TRIPHASES 750 t/mn



**PATTES
DÉMONTABLES**



**Carcasse orientable
de 100 à 200
de hauteur d'axe**

| 750 t/mn - 8 pôles - 63 à 132 h.a. | | | | | | | | | | |
|------------------------------------|------|---------|---------|-----------|-----------|---------|-----------|---------|---------|-----------|
| TYPE | KW | B3 | | | B5 | | | B14 | | |
| | | 230/400 | 400/690 | P.u. HT € | 230/400 | 400/690 | P.u. HT € | 230/400 | 400/690 | P.u. HT € |
| MA 71 B 8 | 0,12 | 132 394 | | 260.30 | 135 350 | | 282.50 | 136 411 | | 282.50 |
| MA 80 A 8 | 0,18 | 132 408 | | 295.70 | 135 369 | | 320.90 | 136 438 | | 320.90 |
| MA 80 B 8 | 0,25 | 132 416 | | 311.90 | 135 377 | | 338.40 | 136 446 | | 338.40 |
| MA 90 S 8 | 0,37 | 132 424 | | 350.60 | 135 385 | | 380.30 | 136 454 | | 380.30 |
| MA 90 L 8 | 0,55 | 132 432 | | 408.30 | 135 393 | | 443.00 | 136 462 | | 443.00 |
| MA 100 LA 8 | 0,75 | 132 440 | | 475.90 | 135 407 | | 516.30 | 136 470 | | 516.30 |
| MA 100 LB 8 | 1,1 | 132 459 | | 569.00 | 135 415 | | 617.40 | 136 489 | | 617.40 |
| MA 112 M 8 | 1,5 | 132 467 | | 652.60 | 135 423 | | 708.10 | 136 497 | | 708.10 |
| MA 132 | SA 8 | 2,2 | 132 475 | | 861.60 | 135 431 | 934.90 | | | 934.90 |
| | MA 8 | 3 | 132 483 | 132 823 | 1 029.00 | 135 458 | 1 116.00 | | | 1 116.00 |
| A4C 160 | MA 8 | 4 | 132 491 | 132 831 | 1 236.00 | | 1 341.00 | | | |
| | MB 8 | 5,5 | 132 505 | 132 844 | 1 527.00 | | 1 656.00 | | | |
| | L 8 | 7,5 | 132 513 | 132 858 | 1 897.00 | | 2 058.00 | | | |
| A4C 180 | L 8 | 11 | | | 2 649.00 | | 2 873.00 | | | |
| A4C 200 | L 8 | 15 | | | 3 343.00 | | 3 627.00 | | | |
| A4C 225 | S8 | 18,5 | | | 4 153.00 | | 4 505.00 | | | |
| | M8 | 22 | | | 5 122.00 | | 5 558.00 | | | |
| A4C 250 | M8 | 30 | | | 6 593.00 | | 7 154.00 | | | |
| A4C 280 | S 8 | 37 | | | 8 016.00 | | 8 697.00 | | | |
| | M 8 | 45 | | | 9 413.00 | | 10 212.00 | | | |
| A4C 315 | S 8 | 55 | | | 12 600.00 | | 13 671.00 | | | |

Voir aussi

P254...Disjoncteurs

P270...Variateurs de fréquence

P76....Glissières moteur

P74.....Poulies, accouplements



Caractéristiques et
dimensions pages 18,19

Puissances supérieures jusqu'à 630 KW nous consulter.

Caractéristiques techniques moteurs MA, A4C

| 3000 t/mn | | | | | | | | | | | | |
|-----------|----|------------------------------------|----------|------------|---------------|----------|-------------------|----------|------------|------------|-------------|------|
| | | Caractéristiques à charge Nominale | | | | | Démarrage direct. | | | | | |
| Taille | KW | t/mn | $\eta\%$ | $\cos\phi$ | In-A 380 V | Cn Nm | Cs Cn | Is In | Cmax Cn | J kg m2 | Kg IM B3 | |
| 63 | a | 0.18 | 2750 | 66 | 0.80 | 0.55 | 0.59 | 2.4 | 3.7 | 2.6 | 0.00020 | 3.5 |
| | b | 0.25 | 2780 | 50 | 0.79 | 0.7 | 0.8 | 2.5 | 3.85 | 3.1 | 0.00023 | 4 |
| | c | 0.37 | 2780 | 67 | 0.78 | 1.08 | 1.18 | 3 | 4.5 | 3.1 | 0.00030 | 4.8 |
| 71 | a | 0.37 | 2710 | 68 | 0.78 | 1.05 | 1.18 | 2.7 | 4 | 2.8 | 0.00040 | 5.5 |
| | b | 0.55 | 2750 | 71 | 0.79 | 1.5 | 1.76 | 3 | 4.2 | 3.1 | 0.00045 | 6.3 |
| | c | 0.75 | 2750 | 71 | 0.79 | 2 | 2.4 | 3 | 4.2 | 3.1 | 0.00057 | 7.2 |
| 80 | a | 0.75 | 2850 | 73 | 0.84 | 1.85 | 2.4 | 2 | 4.6 | 2.5 | 0.00083 | 8 |
| | b | 1.1 | 2840 | 77 | 0.84 | 2.6 | 3.5 | 2.3 | 5.5 | 2.7 | 0.00097 | 9.6 |
| | c | 1.5 | 2830 | 77 | 0.76 | 3.9 | 4.76 | 3 | 6 | 3.1 | 0.00120 | 10.8 |
| 90 | S | 1.5 | 2840 | 80 | 0.84 | 3.4 | 4.76 | 2.4 | 5.3 | 2.9 | 0.00160 | 12.9 |
| | L | 2.2 | 2850 | 82 | 0.83 | 5 | 7 | 3 | 5.7 | 3.2 | 0.00220 | 15.5 |
| | Lb | 3 | 2850 | 83 | 0.84 | 6.6 | 9.5 | 3 | 5.8 | 3.2 | 0.00275 | 17.3 |
| 100 | La | 3 | 2900 | 83 | 0.85 | 6.4 | 9.5 | 2.1 | 6.5 | 2.9 | 0.00500 | 22 |
| | Lb | 4 | 2910 | 84 | 0.86 | 8.5 | 12.75 | 2 | 6.5 | 2.8 | 0.00630 | 27 |
| 112 | M | 4 | 2910 | 84 | 0.86 | 8.5 | 12.75 | 2 | 6.5 | 2.8 | 0.00630 | 27 |
| | Mb | 5.5 | 2910 | 85 | 0.86 | 11.5 | 17.56 | 2 | 6.5 | 2.8 | 0.00780 | 32 |
| 132 | Sa | 5.5 | 2890 | 84 | 0.85 | 11.7 | 17.56 | 3.4 | 6.5 | 3.2 | 0.01600 | 39 |
| | Sb | 7.5 | 2890 | 85 | 0.86 | 15.6 | 23.95 | 3.8 | 7 | 3.5 | 0.01900 | 45 |
| | Mb | 9.2 | 2900 | 86 | 0.87 | 18.7 | 29.15 | 4.1 | 7 | 3.9 | 0.02300 | 52 |
| | Mc | 11 | 2910 | 87 | 0.87 | 22.2 | 36 | 3.4 | 7.5 | 3.9 | 0.02750 | 60 |
| 160 | MA | 11 | 2920 | 86 | 0.83 | 23.5 | 36 | 2.1 | 6.2 | 2.8 | 0.030 | 64 |
| | MB | 15 | 2925 | 88 | 0.83 | 31.2 | 49 | 2.2 | 6.4 | 3 | 0.035 | 72 |
| | L | 18.5 | 2925 | 89 | 0.83 | 38 | 60 | 2.3 | 6.8 | 3 | 0.040 | 84 |
| 180 | M | 22 | 2930 | 89 | 0.84 | 44.5 | 71 | 2.4 | 6.8 | 3 | 0.048 | 103 |
| | LA | 30 | 2945 | 90 | 0.87 | 58 | 97 | 2.3 | 6.7 | 2.9 | 0.1650 | 130 |
| 200 | LB | 37 | 2945 | 91 | 0.87 | 71 | 120 | 2.4 | 6.5 | 3 | 0.1800 | 148 |
| | M | 45 | 2960 | 92 | 0.88 | 84.5 | 145 | 2.4 | 6.6 | 3 | 0.2250 | 210 |
| 250 | M | 55 | 2960 | 92 | 0.88 | 103 | 177 | 2.4 | 6.7 | 3 | 0.2500 | 238 |
| 280 | S | 75 | 2960 | 91 | 0.88 | 142 | 242 | 2.3 | 6.8 | 2.7 | 0.3500 | 335 |
| | M | 90 | 2960 | 92 | 0.88 | 169 | 290 | 2.3 | 7.2 | 2.7 | 0.4160 | 378 |
| 315 | S | 110 | 2965 | 92 | 0.90 | 202 | 354 | 2.3 | 7.2 | 2.5 | 0.5500 | 390 |

| 1500 t/mn | | | | | | | | | | | | |
|-----------|----|------------------------------------|----------|------------|---------------|----------|-------------------|----------|------------|------------|-------------|------|
| | | Caractéristiques à charge Nominale | | | | | Démarrage direct. | | | | | |
| Taille | KW | t/mn | $\eta\%$ | $\cos\phi$ | In-A 380 V | Cn Nm | Cs Cn | Is In | Cmax Cn | J kg m2 | Kg IM B3 | |
| 63 | a | 0.12 | 1360 | 58 | 0.66 | 0.50 | 0.80 | 2.6 | 3 | 2.8 | 0.00025 | 3.5 |
| | b | 0.18 | 1360 | 61 | 0.68 | 0.67 | 1.18 | 2.6 | 3 | 2.8 | 0.0003 | 3.9 |
| | c | 0.25 | 1360 | 62 | 0.68 | 0.90 | 1.59 | 2.5 | 3.1 | 2.7 | 0.0004 | 4.3 |
| 71 | a | 0.25 | 1380 | 64 | 0.68 | 0.87 | 1.59 | 2.9 | 3.7 | 3 | 0.0005 | 5.3 |
| | b | 0.37 | 1380 | 67 | 0.67 | 1.27 | 2.35 | 2.9 | 3.9 | 3 | 0.0006 | 6 |
| | c | 0.55 | 1380 | 67 | 0.69 | 1.80 | 3.50 | 2.9 | 3.9 | 3 | 0.00076 | 6.7 |
| 80 | a | 0.55 | 1380 | 70 | 0.74 | 1.65 | 3.50 | 2.5 | 3.7 | 2.6 | 0.0013 | 8.4 |
| | b | 0.75 | 1385 | 72 | 0.74 | 2.10 | 4.78 | 2.8 | 4 | 2.8 | 0.0016 | 9.5 |
| | c | 0.92 | 1385 | 72 | 0.75 | 2.60 | 5.90 | 2.8 | 4 | 2.8 | 0.0019 | 10.4 |
| 90 | S | 1.1 | 1390 | 75 | 0.80 | 2.80 | 7.00 | 2.5 | 3.9 | 2.6 | 0.0033 | 12.8 |
| | L | 1.5 | 1400 | 78 | 0.78 | 3.70 | 9.56 | 2.6 | 4.6 | 2.6 | 0.0040 | 15 |
| | Lb | 1.84 | 1400 | 79 | 0.78 | 4.60 | 11.80 | 2.6 | 4.7 | 2.8 | 0.0048 | 17.2 |
| 100 | La | 2.2 | 1420 | 80 | 0.80 | 5.30 | 14.00 | 2.4 | 5.3 | 2.6 | 0.0073 | 21 |
| | Lb | 3 | 1430 | 81 | 0.81 | 6.90 | 19.15 | 2.5 | 5.2 | 2.7 | 0.0090 | 24.8 |
| 112 | M | 4 | 1425 | 83 | 0.81 | 9.20 | 25.50 | 2.6 | 5.6 | 3 | 0.0115 | 31 |
| | Mb | 4.8 | 1410 | 82 | 0.82 | 11.00 | 32.00 | 2.6 | 5.6 | 3 | 0.0115 | 32 |
| 132 | Sa | 5.5 | 1440 | 84 | 0.83 | 12.00 | 35.00 | 2.1 | 5.9 | 2.8 | 0.0238 | 42 |
| | Sb | 7.5 | 1450 | 86 | 0.84 | 15.50 | 47.90 | 2.5 | 6.8 | 3.1 | 0.0300 | 52 |
| | Mb | 9.2 | 1460 | 88 | 0.84 | 19.00 | 58.60 | 2.7 | 7.4 | 2.9 | 0.0338 | 58 |
| 160 | M | 11 | 1455 | 87 | 0.81 | 23.7 | 72 | 2 | 5.2 | 2.1 | 0.0625 | 72 |
| | L | 15 | 1460 | 88 | 0.81 | 32 | 98 | 2.2 | 5.8 | 2.4 | 0.0750 | 85 |
| 180 | M | 18.5 | 1460 | 88 | 0.82 | 39 | 121 | 2.3 | 6.2 | 2.5 | 0.090 | 108 |
| | L | 22 | 1465 | 89.5 | 0.85 | 44 | 143 | 2.4 | 6.3 | 2.5 | 0.110 | 144 |
| 200 | L | 30 | 1470 | 90 | 0.86 | 59 | 195 | 2.4 | 6.3 | 2.8 | 0.180 | 168 |
| | S | 37 | 1475 | 92 | 0.86 | 71 | 239 | 2.3 | 6.5 | 2.8 | 0.320 | 207 |
| 225 | M | 45 | 1475 | 92.5 | 0.86 | 86 | 291 | 2.4 | 6.5 | 2.8 | 0.410 | 225 |
| | M | 55 | 1475 | 92.5 | 0.87 | 104 | 356 | 2.3 | 6.4 | 2.6 | 0.520 | 264 |
| 280 | S | 75 | 1480 | 93 | 0.85 | 145 | 484 | 2.3 | 6.2 | 2.5 | 0.885 | 362 |
| | M | 90 | 1480 | 93.5 | 0.85 | 173 | 581 | 2.5 | 6.2 | 2.5 | 1.060 | 427 |
| 315 | S | 110 | 1480 | 93.5 | 0.85 | 211 | 710 | 2.5 | 6.2 | 2.4 | 1.151 | 455 |

| 1000 t/mn | | | | | | | | | | | | |
|-----------|----|------|----------|------------|---------------|----------|----------|----------|------------|------------|-------------|------|
| Taille | KW | t/mn | $\eta\%$ | $\cos\phi$ | In-A 380 V | Cn Nm | Cs Cn | Is In | Cmax Cn | J kg m2 | Kg IM B3 | |
| 63 | a | 0.09 | 840 | 42 | 0.62 | 0.5 | 0.86 | 2.3 | 2.1 | 2.1 | 0.00025 | 3.6 |
| | b | 0.12 | 835 | 42 | 0.62 | 0.7 | 1.18 | 2.5 | 2.1 | 2.2 | 0.00030 | 3.9 |
| 71 | a | 0.18 | 840 | 51 | 0.60 | 0.9 | 1.72 | 2 | 2.4 | 2 | 0.00050 | 5.8 |
| | b | 0.25 | 835 | 53 | 0.60 | 1.2 | 2.39 | 2 | 2.4 | 2 | 0.00060 | 6.3 |
| 80 | a | 0.37 | 930 | 65 | 0.72 | 1.2 | 3.53 | 2.3 | 3.4 | 2.6 | 0.00240 | 8.8 |
| | b | 0.55 | 930 | 68 | 0.73 | 1.7 | 5.27 | 2.8 | 3.8 | 2.9 | 0.00275 | 10.3 |
| 90 | S | 0.75 | 930 | 71 | 0.74 | 2.2 | 7.18 | 2.4 | 3.6 | 2.45 | 0.00375 | 13.4 |
| | L | 1.1 | 930 | 74 | 0.74 | 3.1 | 10.55 | 2.8 | 4.6 | 2.9 | 0.00500 | 17.5 |
| 100 | La | 1.5 | 950 | 76 | 0.76 | 3.9 | 14.32 | 2.6 | 5 | 2.8 | 0.01000 | 21.2 |
| 112 | M | 2.2 | 950 | 78 | 0.77 | 5.6 | 21.10 | 2.6 | 5.2 | 2.75 | 0.01500 | 28.8 |
| 132 | Sa | 3 | 950 | 81 | 0.78 | 7.1 | 28.65 | 2.2 | 6.3 | 2.6 | 0.03000 | 39 |
| | Ma | 4 | 960 | 83 | 0.78 | 9.5 | 38.26 | 2.6 | 6.3 | 2.8 | 0.03800 | 48 |
| 160 | Mb | 5.5 | 960 | 84 | 0.78 | 13 | 52.68 | 2.6 | 6.3 | 2.8 | 0.04600 | 58 |
| | M | 7.5 | 965 | 86 | 0.82 | 16 | 74 | 2 | 5 | 2.3 | 0.087 | 67 |
| 180 | L | 11 | 965 | 86.5 | 0.82 | 23.5 | 108 | 2.3 | 5.5 | 2.5 | 0.11 | 86 |
| | L | 15 | 970 | 88 | 0.82 | 31.5 | 147 | 2.3 | 5.2 | 2.2 | 0.13 | 110 |
| 200 | LA | 18.5 | 970 | 88 | 0.83 | 38.5 | 182 | 2.1 | 5.2 | 2.3 | 0.17 | 125 |
| | LB | 22 | 970 | 89 | 0.83 | 45 | 216 | 2.4 | 5.5 | 2.4 | 0.22 | 145 |
| 225 | M | 30 | 975 | 90.5 | 0.84 | 60 | 294 | 2.4 | 6.2 | 2.4 | 0.47 | 216 |
| 250 | M | 37 | 975 | 91 | 0.84 | 73.5 | 362 | 2.6 | 6.5 | 2.6 | 0.57 | 258 |
| 280 | S | 45 | 980 | 92.5 | 0.83 | 89 | 438 | 2.5 | 6 | 2.5 | 0.85 | 314 |
| | M | 55 | 980 | 93 | 0.84 | 108 | 536 | 2.5 | 6 | 2.5 | 1.075 | 353 |
| 315 | S | 75 | 980 | 93.5 | 0.85 | 144 | 731 | 2.3 | 6 | 2.3 | 1.447 | 426 |

| 750 t/mn | | | | | | | | | | | | |
|----------|----|------|----------|------------|---------------|----------|----------|----------|------------|------------|-------------|------|
| Taille | KW | t/mn | $\eta\%$ | $\cos\phi$ | In-A 380 V | Cn Nm | Cs Cn | Is In | Cmax Cn | J kg m2 | Kg IM B3 | |
| 71 | b | 0.12 | 590 | 41 | 0.57 | 0.8 | 1.59 | 2.3 | 2 | 2.2 | 0.00060 | 6.3 |
| | a | 0.18 | 650 | 50 | 0.60 | 0.9 | 2.35 | 2.2 | 2.5 | 2.5 | 0.00240 | 8.8 |
| 80 | b | 0.25 | 650 | 55 | 0.60 | 1.1 | 3.19 | 2.3 | 2.8 | 2.5 | 0.00275 | 10.3 |
| | S | 0.37 | 680 | 60 | 0.63 | 1.5 | 4.71 | 2.1 | 3 | 2.4 | 0.00375 | 13.4 |
| 90 | L | 0.55 | 680 | 62 | 0.62 | 2.2 | 7 | 2.4 | 3.1 | 2.3 | 0.00500 | 17.5 |
| | La | 0.75 | 690 | 67 | 0.69 | 2.5 | 9.58 | 1.9 | 3.5 | 2.2 | 0.00930 | 19 |
| 100 | Lb | 1.1 | 690 | 71 | 0.70 | 3.4 | 14.03 | 2.3 | 4.2 | 2.6 | 0.01230 | 24 |
| | M | 1.5 | 700 | 73 | 0.73 | 4.2 | 19.13 | 2.3 | 4.5 | 2.8 | 0.01680 | 30.8 |
| 132 | Sa | 2.2 | 710 | 77 | 0.74 | 5.9 | 28.15 | 2.2 | 5 | 2.5 | 0.03800 | 48 |
| | Ma | 3 | 710 | 79 | 0.75 | 7.5 | 38.26 | 2.1 | 4.3 | 2.3 | 0.04600 | 58 |
| 160 | MA | 4 | 710 | 81 | 0.73 | 10.3 | 54 | 1.9 | 4.2 | 2.1 | 0.08 | 62 |
| | MB | 5.5 | 720 | 82 | 0.74 | 13.7 | 73 | 1.9 | 4.2 | 2.1 | 0.092 | 70 |
| 180 | L | 7.5 | 720 | 83.5 | 0.74 | 18.4 | 100 | 2 | 4.2 | 2.1 | 0.11 | 85 |
| | L | 11 | 725 | 86 | 0.75 | 26 | 145 | 2 | 4.5 | 2.2 | 0.16 | 121 |
| 200 | L | 15 | 725 | 88 | 0.75 | 34.5 | 197 | 2.1 | 5 | 2.3 | 0.22 | 143 |
| | S | 18.5 | 730 | 89 | 0.76 | 41.5 | 242 | 2.2 | 5.2 | 2.4 | 0.42 | 195 |
| 225 | M | 22 | 730 | 90 | 0.76 | 49 | 288 | 2.2 | 5.3 | 2.4 | 0.52 | 220 |
| | M | 30 | 730 | 91 | 0.76 | 66 | 392 | 2.3 | 5.5 | 2.5 | 0.62 | 263 |
| 280 | S | 37 | 735 | 92.5 | 0.8 | 77 | 481 | 2.5 | 6 | 2.5 | 1.05 | 356 |
| | M | 45 | 735 | 93 | 0.8 | 93 | 585 | 2.5 | 6 | 2.5 | 1.25 | 388 |
| 315 | S | 55 | 735 | 93 | 0.81 | 111 | 715 | 2 | 5.8 | 2.2 | 1.583 | 459 |

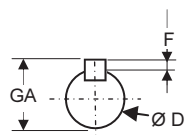
Normes

Moteurs conformes à la norme IEC 34.1 IEC 72 ainsi que :

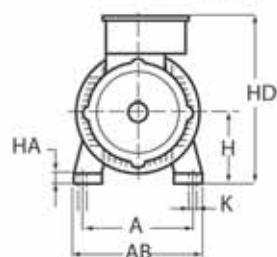
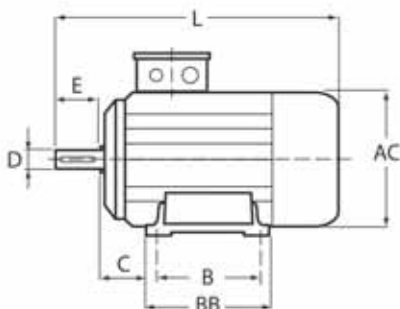
- (

Dimensions - Constructions

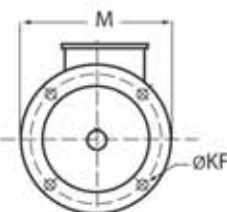
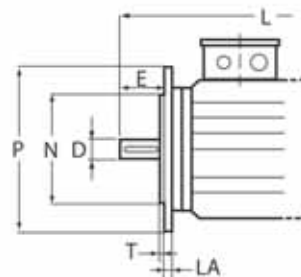
Bout d'arbre



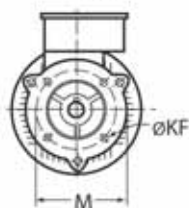
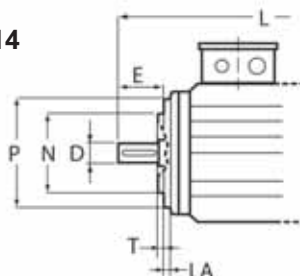
B3



B5



B14



Dimensions

Moteurs MA

| Taille | Pôles | A | AB | AC | B | BB | C | H | HA | HD | K | L | LD |
|--------|-------|-----|-----|-----|-----|-----|----|-----|----|-----|----|-----|-----|
| 63 | 2-8 | 100 | 120 | 122 | 80 | 100 | 40 | 63 | 7 | 164 | 7 | 208 | 229 |
| 71 | 2-8 | 112 | 136 | 137 | 90 | 110 | 45 | 71 | 7 | 178 | 7 | 240 | 262 |
| 80 | 2-8 | 125 | 155 | 158 | 100 | 125 | 50 | 80 | 8 | 198 | 9 | 270 | 293 |
| 90 S | 2-8 | 140 | 174 | 177 | 100 | 155 | 56 | 90 | 10 | 239 | 9 | 320 | 345 |
| 90 L | 2-8 | 140 | 174 | 177 | 125 | 155 | 56 | 90 | 10 | 239 | 9 | 320 | 345 |
| 100 | 2-8 | 160 | 194 | 197 | 140 | 180 | 63 | 100 | 12 | 259 | 12 | 400 | 428 |
| 112 | 2-8 | 190 | 224 | 197 | 140 | 180 | 70 | 112 | 12 | 271 | 12 | 400 | 428 |
| 132 S | 2-8 | 216 | 252 | 253 | 140 | 226 | 89 | 132 | 16 | 316 | 12 | 482 | 528 |
| 132 M | 2-8 | 216 | 252 | 253 | 178 | 226 | 89 | 132 | 16 | 316 | 12 | 482 | 528 |

Brides MA

| Taille | Arbre | | | | Bride B5 - V1 | | | | | | Bride B14 | | | | | |
|-----------|-------|----|----|------|---------------|-----|-----|----|----|-----|-----------|-----|-----|----|-----|-----|
| | Ø D | E | F | GA | M | N | P | LA | KF | T | M | N | P | LA | KF | T |
| 63 | 11 | 23 | 4 | 12.5 | 115 | 95 | 140 | 10 | 9 | 3 | 75 | 60 | 90 | 10 | M5 | 2.5 |
| 71 | 14 | 30 | 5 | 16 | 130 | 110 | 160 | 10 | 9 | 3.5 | 85 | 70 | 105 | 10 | M6 | 2.5 |
| 80 | 19 | 40 | 6 | 21.5 | 165 | 130 | 200 | 12 | 11 | 3.5 | 100 | 80 | 120 | 10 | M6 | 2.5 |
| 90 S / L | 24 | 50 | 8 | 27 | 165 | 130 | 200 | 12 | 11 | 3.5 | 115 | 95 | 140 | 10 | M8 | 3 |
| 100 / 112 | 28 | 60 | 8 | 31 | 215 | 180 | 250 | 14 | 14 | 4 | 130 | 110 | 160 | 11 | M8 | 3.5 |
| 132 S / M | 38 | 80 | 10 | 41 | 265 | 230 | 300 | 14 | 14 | 4 | 165 | 130 | 200 | 11 | M10 | 3.5 |

Dimensions

Moteurs A4C - B4C - B2C

| Taille | Pôles | A | AB | AC | B | BB | C | H | HA | HD | K | L | LD |
|--------|-------|-----|-----|-----|-----|-----|-----|-----|----|-----|----|-----|------|
| 160 M | 2-8 | 254 | 297 | 314 | 210 | 296 | 108 | 160 | 20 | 390 | 14 | 648 | 710 |
| 160 L | 2-8 | 254 | 297 | 314 | 254 | 296 | 108 | 160 | 20 | 390 | 14 | 648 | 710 |
| 180 M | 2-4 | 279 | 321 | 314 | 241 | 298 | 121 | 180 | 22 | 410 | 14 | 648 | 710 |
| 180 L | 4-8 | 279 | 320 | 354 | 279 | 320 | 121 | 180 | 22 | 437 | 14 | 723 | 790 |
| 200 L | 2-8 | 318 | 360 | 354 | 305 | 345 | 133 | 200 | 24 | 457 | 18 | 723 | 790 |
| 225 S | 4-8 | 356 | 405 | 411 | 286 | 360 | 149 | 225 | 28 | 505 | 18 | 830 | 895 |
| 225 M | 2 | 356 | 405 | 411 | 311 | 360 | 149 | 225 | 28 | 505 | 18 | 800 | 865 |
| 225 M | 4-8 | 356 | 405 | 411 | 311 | 360 | 149 | 225 | 28 | 505 | 18 | 830 | 895 |
| 250 M | 2 | 406 | 465 | 411 | 349 | 406 | 168 | 250 | 28 | 530 | 22 | 830 | 895 |
| 250 M | 4-8 | 406 | 465 | 411 | 349 | 406 | 168 | 250 | 28 | 530 | 22 | 830 | 895 |
| 280 S | 2 | 457 | 540 | 490 | 368 | 480 | 190 | 280 | 40 | 635 | 24 | 960 | 1045 |
| 280 S | 4-8 | 457 | 540 | 490 | 368 | 480 | 190 | 280 | 40 | 635 | 24 | 960 | 1045 |
| 280 M | 2 | 457 | 540 | 490 | 419 | 480 | 190 | 280 | 40 | 635 | 24 | 960 | 1045 |
| 280 M | 4-8 | 457 | 540 | 490 | 419 | 480 | 190 | 280 | 40 | 635 | 24 | 960 | 1045 |
| 315 S | 2 | 508 | 590 | 490 | 406 | 470 | 216 | 315 | 45 | 670 | 28 | 960 | 1045 |
| 315 S | 4-8 | 508 | 590 | 490 | 406 | 470 | 216 | 315 | 45 | 670 | 28 | 990 | 1075 |

Brides A4C - B4C - B2C

| Taille | Pôles | Arbre | | | | Bride B5 - V1 | | | | | |
|--------|-------|-------|-----|----|------|---------------|-----|-----|----|----|---|
| | | D | E | F | GA | M | N | P | LA | KF | T |
| 160 M | 2-8 | 42 | 110 | 12 | 45 | 300 | 250 | 350 | 15 | 18 | 5 |
| 180 M | 2-8 | 48 | 110 | 14 | 51.5 | 300 | 250 | 350 | 18 | 18 | 5 |
| 200 L | 2-8 | 55 | 110 | 16 | 59 | 350 | 300 | 400 | 16 | 18 | 5 |
| 225 | 2 | 55 | 110 | 16 | 59 | 400 | 350 | 450 | 18 | 18 | 5 |
| 225 | 4-8 | 60 | 140 | 18 | 64 | 400 | 350 | 450 | 18 | 18 | 5 |
| 250 | 2 | 60 | 140 | 18 | 64 | 500 | 450 | 550 | 18 | 18 | 5 |
| 250 | 4-8 | 65 | 140 | 18 | 69 | 500 | 450 | 550 | 18 | 18 | 5 |
| 280 S | 2 | 65 | 140 | 18 | 69 | 500 | 450 | 550 | 18 | 18 | 5 |
| 280 M | 4-8 | 75 | 140 | 20 | 79.5 | 500 | 450 | 550 | 18 | 18 | 5 |
| 315 S | 2 | 65 | 140 | 18 | 69 | 600 | 550 | 660 | 22 | 22 | 6 |
| 315 S | 4-8 | 80 | 170 | 22 | 85 | 600 | 550 | 660 | 22 | 22 | 6 |