

# Asynchron-Standard Typen 6-polig

09.12.2025

## Leistung

Dauerbetriebsleistung bei normalem Spindelbetrieb und intensiver Wasserkühlung

Die Spitzenleistung ist erheblich höher.

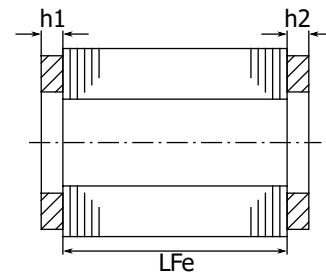
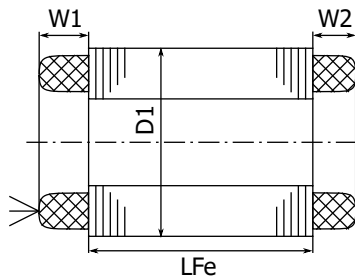
## Rotor

Käfigwerkstoff: normal Aluminium oder Kupfer für ein grösseres Achsloch (bis ca. 100 m/s). Für höhere Umfangsgeschwindigkeiten ist eine spezielle Kupfer-Ausführung oder bei reduzierter Leistung eine Ausführung mit Aluminiumlegierung möglich.

| Drehzahl in 1000 min <sup>-1</sup> | 1              | 2    | 4    | 6    | 8    | 10   | 12   | 14   | 16   | 18   | 20   | 22   | 24   | 26   | 28   |
|------------------------------------|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Frequenz in Hz                     | 50             | 100  | 200  | 300  | 400  | 500  | 600  | 700  | 800  | 900  | 1000 | 1100 | 1200 | 1300 | 1400 |
| Typen (D1/LFe in cm)               | Leistung in kW |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| mW 8.5/11-6-s1r..                  | 0.54           | 1.1  | 2.1  | 3.2  | 4.3  | 5.3  | 6.4  | 7.5  | 8.6  | 9.6  | 10.7 | 10.1 | 9.4  | 8.8  | 8.2  |
| mW 8.5/12-6-s1r..                  | 0.59           | 1.2  | 2.3  | 3.5  | 4.7  | 5.9  | 7    | 8.2  | 9.4  | 10.5 | 11.7 | 11   | 10.3 | 9.6  | 8.9  |
| mW 10.6/5-6-s1r..                  | 0.5            | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 9.2  | 8.5  | 7.8  | 7    |
| mW 10.6/5-6-s1r..                  | 0.55           | 1.1  | 2.2  | 3.3  | 4.4  | 5.5  | 6.6  | 7.7  | 8.8  | 9.9  | 11   | 10.2 | 9.4  | 8.5  | 7.7  |
| mW 10.6/8-6-s1r..                  | 0.92           | 1.8  | 3.7  | 5.5  | 7.4  | 9.2  | 11   | 12.9 | 14.7 | 16.6 | 18.4 | 17   | 15.7 | 14.4 | 13   |
| mW 10.6/8-6-s1r..                  | 1              | 2    | 4    | 6.1  | 8.1  | 10.1 | 12.1 | 14.1 | 16.2 | 18.2 | 20   | 18.7 | 17.2 | 15.8 | 14.3 |
| mW 10.6/10-6-s1r..                 | 1.2            | 2.4  | 4.8  | 7.2  | 9.6  | 12   | 14.4 | 16.8 | 19.2 | 22   | 24   | 22   | 20   | 18.8 | 17   |
| mW 10.6/10-6-s1r..                 | 1.3            | 2.6  | 5.3  | 7.9  | 10.6 | 13.2 | 15.8 | 18.5 | 21   | 24   | 26   | 24   | 23   | 21   | 18.7 |
| mW 10.6/14-6-s1r..                 | 1.9            | 3.9  | 7.7  | 11.6 | 15.4 | 19.2 | 23   | 27   | 31   | 35   | 38   | 36   | 33   | 30   | 27   |
| mW 10.6/14-6-s1r..                 | 1.8            | 3.5  | 7    | 10.5 | 14   | 17.5 | 21   | 25   | 28   | 32   | 35   | 32   | 30   | 27   | 24   |
| mW 12/6-6-s1r..                    | 0.86           | 1.7  | 3.4  | 5.1  | 6.9  | 8.6  | 10.3 | 12   |      |      |      |      |      |      |      |
| mW 12/10-6-s1r..                   | 1.4            | 2.9  | 5.7  | 8.6  | 11.4 | 14.3 | 17.1 | 20   |      |      |      |      |      |      |      |
| mW 13.5/9-6-s1r..                  | 1.8            | 3.7  | 7.3  | 11   | 14.7 | 18.3 | 22   | 19.2 | 16.5 | 14.7 | 12.8 | 11   |      |      |      |
| mW 13.5/12.5-6-s1r..               | 2.5            | 5    | 10   | 15   | 20   | 25   | 30   | 26   | 22   | 20   | 18.2 | 16   |      |      |      |
| mW 13.5/15.5-6-s1r..               | 3              | 6    | 12   | 18   | 24   | 30   | 36   | 32   | 28   | 25   | 23   | 20   |      |      |      |
| mW 15/5-6-s1r..                    | 1.3            | 2.5  | 5    | 7.5  | 10   | 12.5 | 15   | 13.3 | 11.6 | 9.8  | 8.1  | 6.4  |      |      |      |
| mW 15/10-6-s1r..                   | 2.8            | 5.5  | 11   | 16.5 | 22   | 27   | 33   | 29   | 26   | 22   | 18.6 | 15   |      |      |      |
| mW 15/12-6-s1r..                   | 3.3            | 6.5  | 13   | 19.5 | 26   | 32   | 39   | 35   | 30   | 26   | 21   | 17   |      |      |      |
| mW 15/15-6-s1r..                   | 4              | 8    | 16   | 24   | 32   | 40   | 48   | 43   | 37   | 32   | 26   | 21   |      |      |      |
| mW 15/18-6-s1r..                   | 5              | 10   | 20   | 30   | 40   | 50   | 60   | 53   | 46   | 39   | 32   | 25   |      |      |      |
| mW 15/20-6-s1r..                   | 5.4            | 10.8 | 22   | 32   | 43   | 54   | 65   | 58   | 50   | 43   | 35   | 28   |      |      |      |
| mW 15/18-6-s1r..                   | 5              | 10   | 20   | 30   | 40   | 50   | 60   | 53   | 46   | 39   |      |      |      |      |      |
| mW 17/12-6-s1r..                   | 4.4            | 8.8  | 17.6 | 26   | 35   | 44   | 37   | 31   | 24   |      |      |      |      |      |      |
| mW 17/15-6-s1r..                   | 5.8            | 11.6 | 23   | 35   | 46   | 58   | 49   | 39   | 30   |      |      |      |      |      |      |
| mW 17/17-6-s1r..                   | 6.5            | 13   | 26   | 39   | 52   | 65   | 55   | 44   | 34   |      |      |      |      |      |      |
| mW 17/20-6-s1r..                   | 7.5            | 15   | 30   | 45   | 60   | 75   | 63   | 52   | 40   |      |      |      |      |      |      |
| mW 17/27-6-s1r..                   | 10             | 20   | 40   | 60   | 80   | 100  | 84   | 68   | 52   |      |      |      |      |      |      |
| mW 24/10-6-s1r..                   | 8.4            | 16.8 | 34   | 42   | 34   | 25   |      |      |      |      |      |      |      |      |      |
| mW 24/17-6-s1r..                   | 15             | 30   | 60   | 75   | 60   | 45   |      |      |      |      |      |      |      |      |      |
| mW 24/21-6-s1r..                   | 19             | 38   | 76   | 95   | 76   | 57   |      |      |      |      |      |      |      |      |      |
| mW 24/24-6-s1r..                   | 21             | 42   | 84   | 105  | 84   | 63   |      |      |      |      |      |      |      |      |      |
| mW 24/28-6-s1r..                   | 25             | 50   | 100  | 125  | 100  | 75   |      |      |      |      |      |      |      |      |      |
| mW 24/33-6-s1r..                   | 29             | 59   | 118  | 147  | 117  | 88   |      |      |      |      |      |      |      |      |      |
| mW 24/42-6-s1r..                   | 35             | 70   | 140  | 175  | 140  | 105  |      |      |      |      |      |      |      |      |      |

# Massblatt

Skizze



| Hauptabmessungen<br>alle Masse in mm | Stator                  |                 |    | Rotor   |      |        |     |           |      |    |
|--------------------------------------|-------------------------|-----------------|----|---------|------|--------|-----|-----------|------|----|
|                                      | Aussendurchmesser<br>D1 | Wickelkopflänge |    | Bohrung |      |        |     | Ringlänge |      |    |
|                                      |                         | W1              | W2 | d3 min  |      | d3 max |     | h         |      |    |
| Typ<br>(D1/LFe in cm)                | mit PTC                 |                 | Al | Cu      | Al   | Cu     | Al  | Cu        | CuSt |    |
| mW 8.5/ .. -6-s1r..                  | 85.4                    | 25              | 21 | 25      | 31   | 33     | 39  | 10        | 4    | 12 |
| mW 10.6/ .. -6-s1r..                 | 106.5                   | 33              | 28 | -       | 42.5 | -      | 46  | -         | 4    | -  |
| mW 12/ .. -6-s1r..                   | 120                     | 23              | 17 | 42.5    | -    | 54     | -   | 18.5      | -    | -  |
| mW 13.5/ .. -6-s1r..                 | 135                     | 31              | 29 | -       | 64   | -      | 65  | -         | 6    | 14 |
| mW 15/ .. -6-s1r..                   | 150                     | 36              | 29 | 59      | 72.5 | 70     | 77  | 15        | 6    | 14 |
| mW 17/ .. -6-s1r..                   | 170                     | 40              | 31 | 63.5    | -    | 78     | -   | 12        | -    | -  |
| mW 24/ .. -6-s1r..                   | 240                     | 45              | 35 | 89.5    | 98.5 | 110    | 120 | 15        | 4    | 12 |