

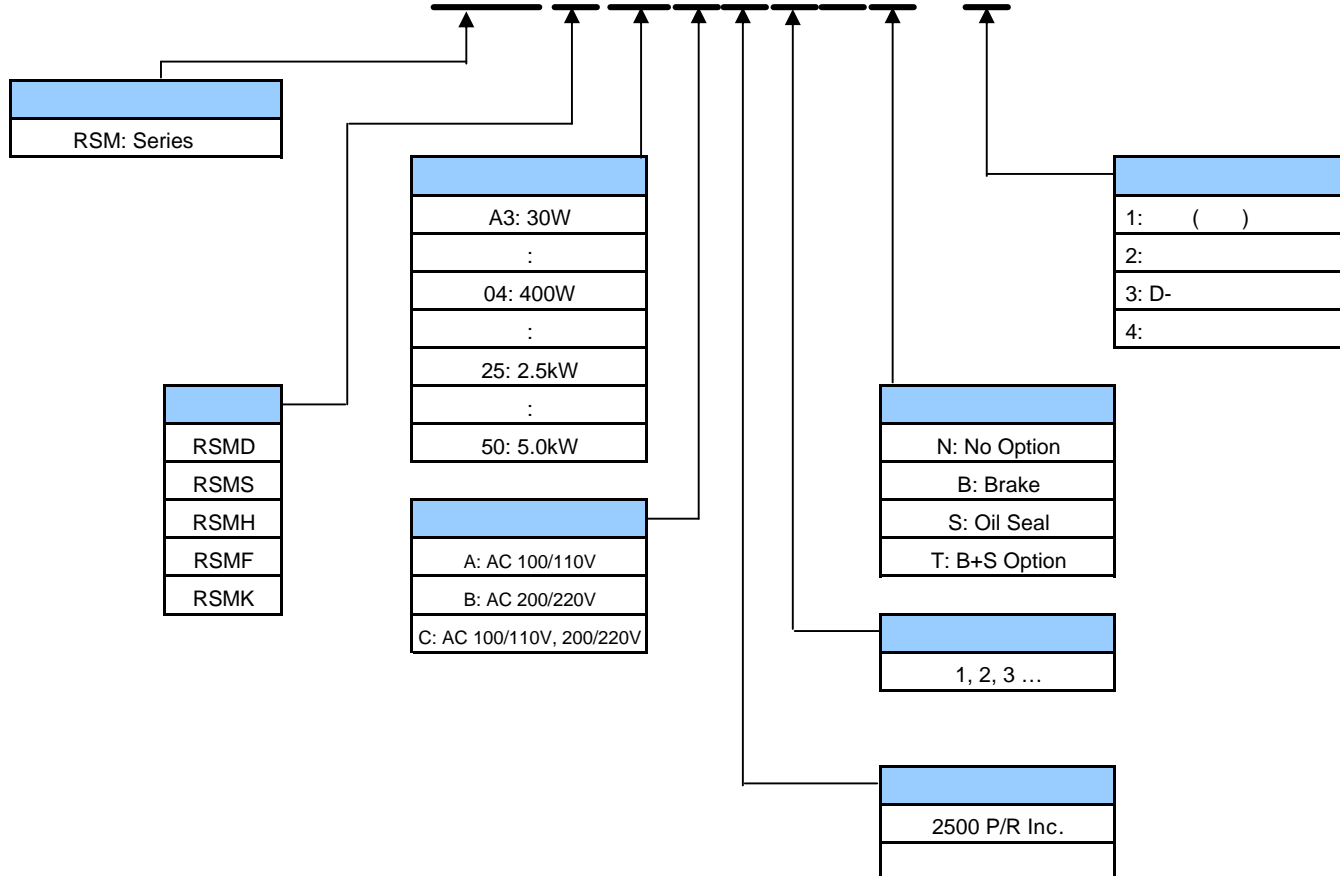
# RSM -Series Motor

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**Rockwell**  
**Automation**

# RSM D-25 B A 1 A N K 3



|   |                      | RSMD | RSMS | RSMH | RSMF | RSMK |
|---|----------------------|------|------|------|------|------|
| A | 2500 P/R Inc. (9 )   |      |      |      |      |      |
| B | 2048 P/R Inc. (9 )   |      |      |      |      |      |
| H | 2048 P/R Abs.        |      |      |      |      |      |
| K | 5000 P/R Inc. (15 )  |      |      |      |      |      |
| L | 6000 P/R Inc. (15 )  |      |      |      |      |      |
| M | 10000 P/R Inc. (15 ) |      |      |      |      |      |
| Q | 17bit Abs.           |      |      |      |      |      |
| R | 17bit Inc.           |      |      |      |      |      |

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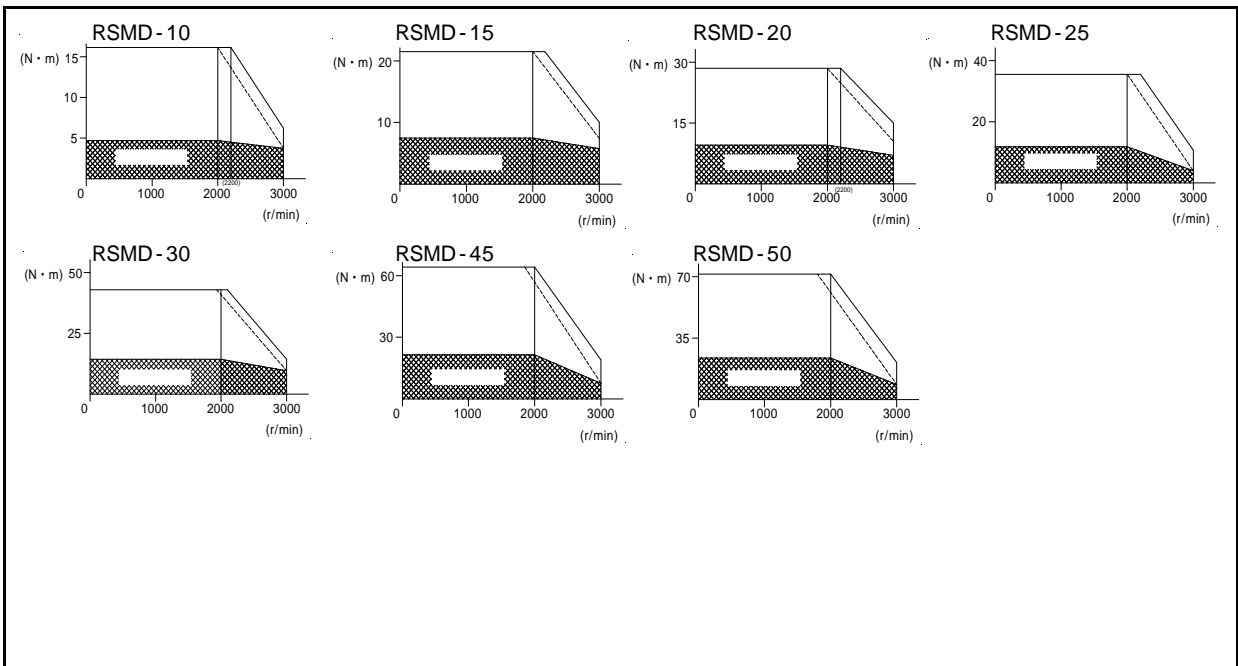
|       |                                                                                     |                | /                  |  |      |  |    |
|-------|-------------------------------------------------------------------------------------|----------------|--------------------|--|------|--|----|
| RSM D |    | 1kW<br>~5kW    | 2000/3000<br>r/min |  | IP55 |  | XY |
| RSM S |    | 4kW<br>~5kW    | 3000/4500<br>r/min |  | IP55 |  |    |
| RSM H |  | 500W<br>~5kW   | 2000/3000<br>r/min |  | IP55 |  |    |
| RSM F |  | 400W<br>~4.5kW | 2000/3000<br>r/min |  | IP55 |  | 가  |
| RSM K |  | 300W<br>~6.0kW | 1000/2000<br>rpm   |  | IP65 |  |    |

# RSMD

|                                 |       | RSMD                                              |      |       |       |       |       |       |
|---------------------------------|-------|---------------------------------------------------|------|-------|-------|-------|-------|-------|
| (mm)                            |       | 130                                               |      |       |       | 180   |       |       |
|                                 |       | 10                                                | 15   | 20    | 25    | 30    | 45    | 50    |
| $(V_{AC})$                      |       | 200/220V                                          |      |       |       |       |       |       |
|                                 | (kW)  | 1.0                                               | 1.5  | 2.0   | 2.5   | 3.0   | 4.5   | 5.0   |
|                                 | (N·m) | 4.80                                              | 7.16 | 9.55  | 11.9  | 14.3  | 21.5  | 23.9  |
| (N·m)                           |       | 14.4                                              | 21.5 | 28.5  | 35.5  | 42.9  | 64.3  | 71.4  |
| (r/min)                         |       | 2000                                              |      |       |       |       |       |       |
| (r/min)                         |       | 3000                                              |      |       |       |       |       |       |
| (kW/s)                          |       | 48.8                                              | 74.7 | 100.0 | 124.9 | 151.5 | 124.8 | 128.3 |
| (Arms)                          |       | 5.6                                               | 9.4  | 12.3  | 14.0  | 17.8  | 26.2  | 28.0  |
| (Arms)                          |       | 16.8                                              | 28.2 | 36.9  | 42.0  | 53.4  | 78.6  | 84.0  |
| $(kg \cdot m^2 \times 10^{-4})$ |       | 4.82                                              | 7.0  | 9.3   | 11.5  | 13.8  | 37.7  | 45.5  |
|                                 |       | 6.1                                               | 8.3  | 10.5  | 12.8  | 15.0  | 42.9  | 50.7  |
|                                 |       | 2500 P/R / 17bit                                  |      |       |       |       |       |       |
|                                 |       | 10 ( )                                            |      |       |       |       |       |       |
|                                 |       | ( :IP65)                                          |      |       |       |       |       |       |
|                                 |       | 0 ~ 40 (32 ~ 104 ) ( ), : -15 ~ 70 (5 ~ 158 ) ( ) |      |       |       |       |       |       |
|                                 |       | 85% RH ( ), : 90% RH ( )                          |      |       |       |       |       |       |
|                                 |       | ( ); 가 , , ,                                      |      |       |       |       |       |       |
|                                 |       | 1000m , 49 m/s <sup>2</sup>                       |      |       |       |       |       |       |
| (kg)                            |       | 6.8                                               | 8.5  | 10.6  | 12.8  | 14.6  | 21.5  | 25.0  |
|                                 |       | 8.7                                               | 10.1 | 12.5  | 14.7  | 16.5  | 25.0  | 28.5  |

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# RSMD



1. 10%

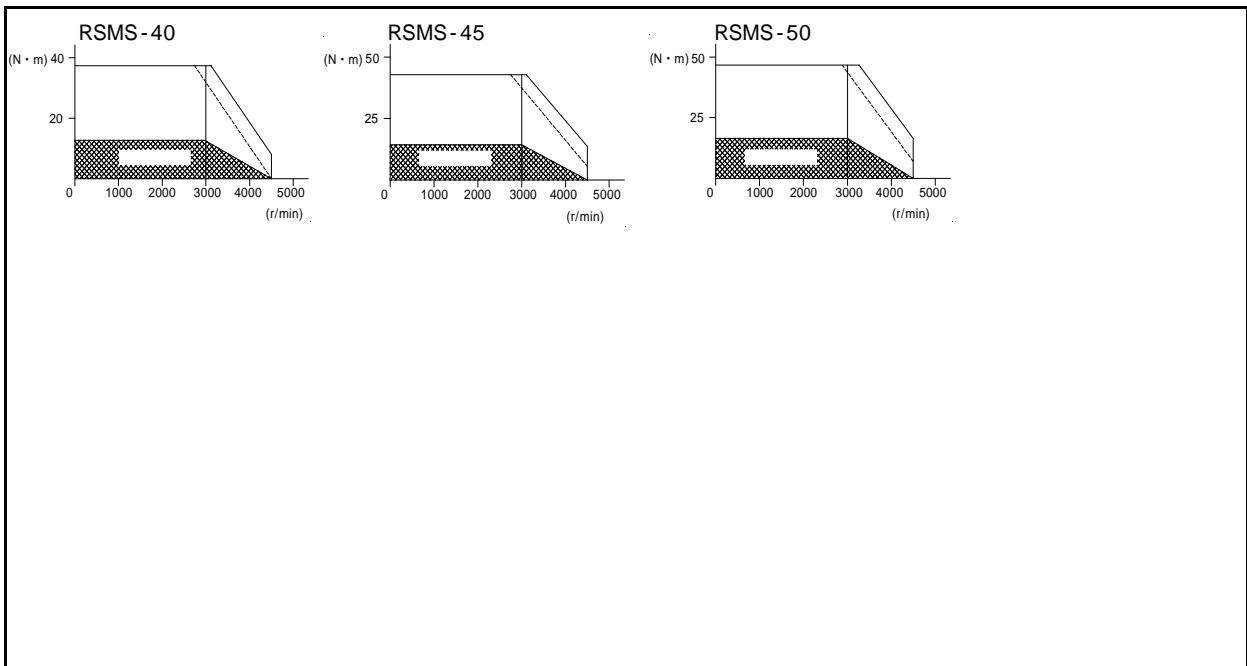
## RSMS

|                                        |       | RSMS                                              |      |      |
|----------------------------------------|-------|---------------------------------------------------|------|------|
| (mm)                                   |       | 130                                               |      |      |
|                                        |       | 40                                                | 45   | 50   |
| (V <sub>AC</sub> )                     |       | 200/220V                                          |      |      |
|                                        | (kW)  | 4.0                                               | 4.5  | 5.0  |
|                                        | (N·m) | 12.7                                              | 14.3 | 15.9 |
| (N·m)                                  |       | 37.9                                              | 42.9 | 47.6 |
| (r/min)                                |       | 3000                                              |      |      |
| (r/min)                                |       | 4500                                              |      |      |
| (kW/s)                                 |       | 134                                               | 154  | 161  |
| (Arms)                                 |       | 24.7                                              | 28.0 | 28.5 |
| (Arms)                                 |       | 74.1                                              | 84.0 | 85.5 |
| (kg·m <sup>2</sup> ×10 <sup>-4</sup> ) |       | 12.4                                              | 13.6 | 16.0 |
|                                        |       | 13.7                                              | 14.9 | 17.3 |
|                                        |       | 2500 P/R / 17bit                                  |      |      |
|                                        |       | 15 ( )                                            |      |      |
|                                        |       | ( :IP65)                                          |      |      |
|                                        |       | 0 ~ 40 (32 ~ 104 ) ( ), : -15 ~ 70 (5 ~ 158 ) ( ) |      |      |
|                                        |       | 85% RH ( ), : 90% RH ( )                          |      |      |
|                                        |       | ( ); 가 , , ,                                      |      |      |
|                                        |       | 1000m , 49 m/s <sup>2</sup>                       |      |      |
| (kg)                                   |       | 12.9                                              | 15.1 | 17.3 |
|                                        |       | 14.8                                              | 17.0 | 19.2 |

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## RSMS



1. 10%

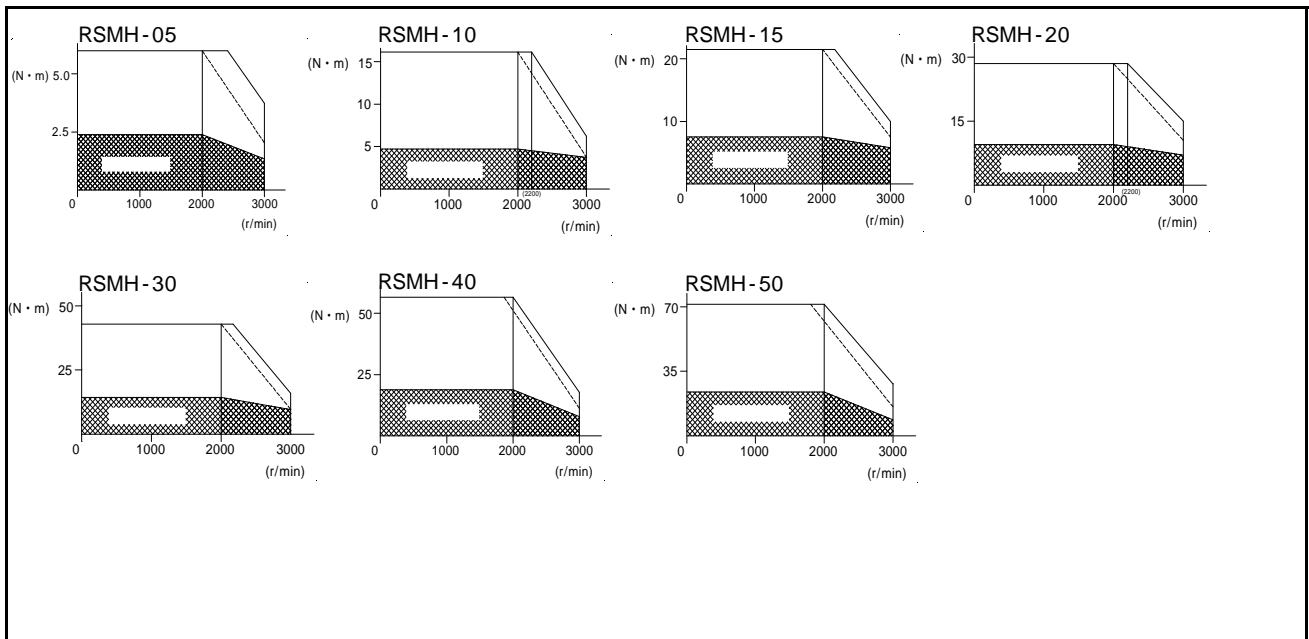
# RSMH

|                                |       | RSMH                                              |      |      |      |       |       |       |
|--------------------------------|-------|---------------------------------------------------|------|------|------|-------|-------|-------|
| (mm)                           |       | 130                                               |      |      | 180  |       |       |       |
|                                |       | 05                                                | 10   | 15   | 20   | 30    | 40    | 50    |
| $(V_{AC})$                     |       | 200/220V                                          |      |      |      |       |       |       |
|                                | (kW)  | 0.5                                               | 1.0  | 1.5  | 2.0  | 3.0   | 4.0   | 5.0   |
|                                | (N·m) | 2.39                                              | 4.77 | 7.16 | 9.55 | 14.32 | 19.1  | 23.87 |
| (N·m)                          |       | 6.0                                               | 14.4 | 21.5 | 28.5 | 42.9  | 56.4  | 71.4  |
| (r/min)                        |       | 2000                                              |      |      |      |       |       |       |
| (r/min)                        |       | 3000                                              |      |      |      |       |       |       |
| (kW/s)                         |       | 4.2                                               | 8.9  | 12.2 | 15.0 | 22.2  | 31.1  | 34.1  |
| (Arms)                         |       | 3.2                                               | 5.6  | 9.4  | 12.3 | 17.8  | 23.4  | 28.0  |
| (Arms)                         |       | 8.1                                               | 16.8 | 28.0 | 36.7 | 53.6  | 70.2  | 84.0  |
| $(kg \cdot m^2 \cdot 10^{-4})$ |       | 14.0                                              | 26.0 | 42.9 | 62.0 | 94.1  | 120.0 | 170.0 |
|                                |       | 15.2                                              | 27.2 | 44.1 | 67.9 | 100.0 | 126.0 | 176.0 |
|                                |       | 2500 P/R / 17bit                                  |      |      |      |       |       |       |
|                                |       | 5 ( )                                             |      |      |      |       |       |       |
|                                |       | ( :IP65)                                          |      |      |      |       |       |       |
|                                |       | 0 ~ 40 (32 ~ 104 ) ( ), : -15 ~ 70 (5 ~ 158 ) ( ) |      |      |      |       |       |       |
|                                |       | 85% RH ( ), : 90% RH ( )                          |      |      |      |       |       |       |
|                                |       | ( ) ; 가 , ,                                       |      |      |      |       |       |       |
|                                |       | / 1000m , 49 m/s <sup>2</sup>                     |      |      |      |       |       |       |
| (kg)                           |       | 5.3                                               | 8.9  | 10.0 | 16.0 | 18.2  | 22.0  | 26.7  |
|                                |       | 6.9                                               | 9.5  | 11.6 | 19.5 | 21.7  | 25.5  | 30.2  |

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# RSMH



1. 10%

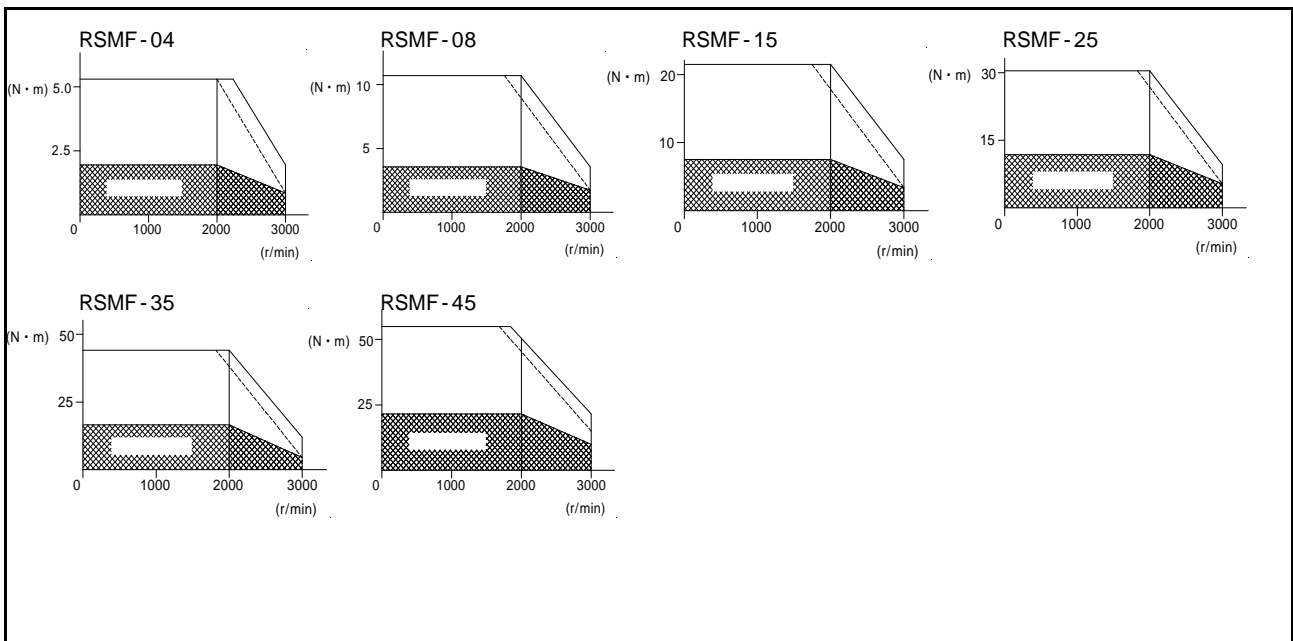
# RSMF

|                                 |       | RSMF                                              |      |      |      |      |      |
|---------------------------------|-------|---------------------------------------------------|------|------|------|------|------|
| (mm)                            |       | 130                                               | 180  |      | 220  |      |      |
|                                 |       | 04                                                | 08   | 15   | 25   | 35   | 45   |
| $(V_{AC})$                      |       | 200/220V                                          |      |      |      |      |      |
|                                 | (kW)  | 0.4                                               | 0.75 | 1.5  | 2.5  | 3.5  | 4.5  |
|                                 | (N·m) | 1.91                                              | 3.58 | 7.16 | 11.9 | 16.7 | 21.5 |
| (N·m)                           |       | 5.3                                               | 10.7 | 21.5 | 30.4 | 44.1 | 54.9 |
| (r/min)                         |       | 2000                                              |      |      |      |      |      |
| (r/min)                         |       | 3000                                              |      |      |      |      |      |
| (kW/s)                          |       | 17.5                                              | 13.6 | 29.0 | 42.6 | 66.5 | 80.1 |
| (Arms)                          |       | 2.8                                               | 5.0  | 9.5  | 13.4 | 20.0 | 23.5 |
| (Arms)                          |       | 8.4                                               | 15.0 | 28.5 | 40.2 | 60.0 | 70.5 |
| $(kg \cdot m^2 \times 10^{-4})$ |       | 2.13                                              | 9.6  | 18.0 | 33.7 | 42.6 | 58.7 |
|                                 |       | 3.42                                              | 14.8 | 23.2 | 45.3 | 54.3 | 70.3 |
|                                 |       | 2500 P/R / 17bit                                  |      |      |      |      |      |
|                                 |       | 10 ( )                                            |      |      |      |      |      |
|                                 |       | ( :IP65)                                          |      |      |      |      |      |
|                                 |       | 0 ~ 40 (32 ~ 104 ) ( ), : -15 ~ 70 (5 ~ 158 ) ( ) |      |      |      |      |      |
|                                 |       | 85% RH ( ), : 90% RH ( )                          |      |      |      |      |      |
|                                 |       | ( ) ; 가 , ,                                       |      |      |      |      |      |
|                                 |       | / 1000m , 49 m/s <sup>2</sup>                     |      |      |      |      |      |
| (kg)                            |       | 4.7                                               | 8.6  | 11.0 | 14.8 | 15.5 | 19.9 |
|                                 |       | 6.7                                               | 10.6 | 14.0 | 17.5 | 19.2 | 24.3 |

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# RSMF



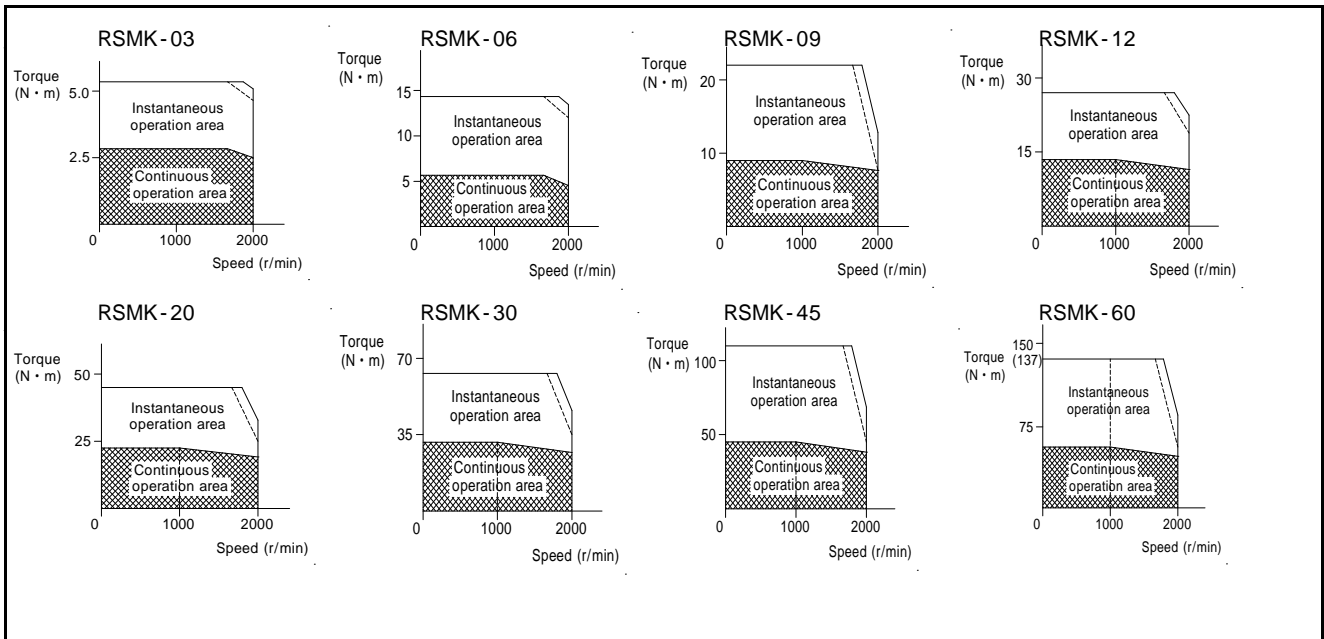
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# RSMK

|                                 |       | RSMK                                              |      |      |       |       |       |       |       |
|---------------------------------|-------|---------------------------------------------------|------|------|-------|-------|-------|-------|-------|
| (mm)                            |       | 130                                               |      |      | 180   |       |       |       |       |
|                                 |       | 03                                                | 06   | 09   | 12    | 20    | 30    | 45    | 60    |
| $(V_{AC})$                      |       | 200/220V                                          |      |      |       |       |       |       |       |
|                                 | (kW)  | 0.3                                               | 0.6  | 0.9  | 1.2   | 2     | 3     | 4.5   | 6     |
|                                 | (N·m) | 2.84                                              | 5.70 | 8.62 | 11.50 | 19.10 | 28.40 | 42.90 | 57.20 |
| (N·m)                           |       | 6.3                                               | 14.4 | 19.3 | 28.0  | 44.0  | 64.7  | 107.0 | 129.0 |
| (r/min)                         |       | 1000                                              |      |      |       |       |       |       |       |
| (r/min)                         |       | 2000                                              |      |      |       |       |       |       |       |
| (kW/s)                          |       | 20.7                                              | 52.7 | 66.3 | 43.3  | 103.0 | 145.0 | 228.0 | 331.0 |
| (Arms)                          |       | 3                                                 | 5.7  | 7.6  | 11.6  | 18.5  | 24.0  | 33.0  | 47.0  |
| (Arms)                          |       | 11.0                                              | 21.0 | 24.0 | 40.0  | 60.0  | 80.0  | 118.0 | 155.0 |
| $(kg \cdot m^2 \times 10^{-4})$ |       | 3.9                                               | 6.17 | 11.2 | 30.4  | 35.5  | 55.7  | 80.9  | 99.0  |
|                                 |       | 5.10                                              | 7.5  | 12.3 | 36.2  | 41.4  | 61.7  | 86.9  | 108.0 |
|                                 |       | 3.000                                             |      |      |       |       |       |       |       |
|                                 |       | 10 ( )                                            |      |      |       |       |       |       |       |
|                                 |       | ( :IP65)                                          |      |      |       |       |       |       |       |
|                                 |       | 0 ~ 40 (32 ~ 104 ) ( ), : -15 ~ 70 (5 ~ 158 ) ( ) |      |      |       |       |       |       |       |
|                                 |       | 85% RH ( ), : 90% RH ( )                          |      |      |       |       |       |       |       |
|                                 |       | ( ) ; 가 , ,                                       |      |      |       |       |       |       |       |
|                                 |       | / 1000m , 49 m/s <sup>2</sup>                     |      |      |       |       |       |       |       |
| (kg)                            |       | 5.2                                               | 6.9  | 8.6  | 15.5  | 17.5  | 25.0  | 34.0  | 41.0  |
|                                 |       | 6.7                                               | 8.5  | 10.1 | 19.0  | 21.0  | 29.0  | 39.5  | 47.0  |

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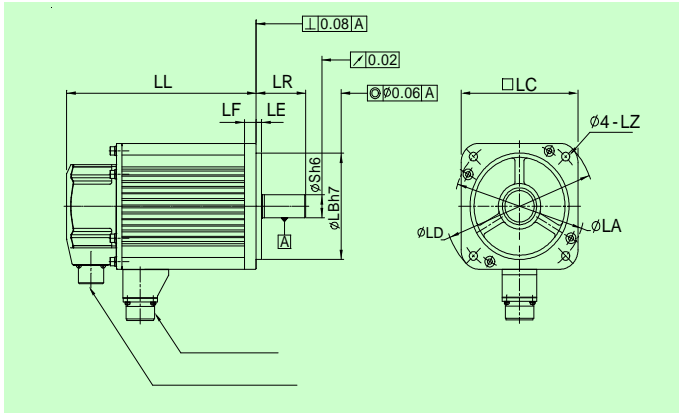
# RSMK



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## RSMD / MS / MH / MF



| No. | MS 3102A 20-4P<br>MS 3102A 22-22P<br>MS 3102A 20-18P<br>MS 3102A 24-11P |     | MS 3102A<br>20-18P | MS 3102A<br>24-11P |  |
|-----|-------------------------------------------------------------------------|-----|--------------------|--------------------|--|
|     | No.                                                                     | No. |                    |                    |  |
| A   | U                                                                       | G   | A                  | BR                 |  |
| B   | V                                                                       | H   | B                  | BR                 |  |
| C   | W                                                                       | A   | C                  |                    |  |
| D   | FG                                                                      | F   | D                  | U                  |  |
|     |                                                                         | I   | E                  | V                  |  |
|     |                                                                         | B   | F                  | W                  |  |
|     |                                                                         | E   | G                  | FG                 |  |
|     |                                                                         | D   | H                  | FG                 |  |
|     |                                                                         | C   | I                  |                    |  |

|  | MS 3102A<br>20-18P | MS 3102A<br>24-11P |
|--|--------------------|--------------------|
|  |                    |                    |

### (MS 3102A)

|      | RSMD    |         | RSMS    | RSMH    |         | RSMF    |         |
|------|---------|---------|---------|---------|---------|---------|---------|
| (kW) | 1.0~2.5 | 3.0~5.0 | 4.0~5.0 | 0.5~1.5 | 2.0~5.0 | 0.4~1.5 | 2.5~4.5 |
|      | 20-4P   | 22-22P  | 22-22P  | 20-4P   | 22-22P  | 20-18P  | 24-11P  |
|      | 20-18P  | 24-11P  | 24-11P  | 20-18P  | 24-11P  | 20-18P  | 24-11P  |

## RSMD / MS

|      |  | RSMD |     |     |     |     |       | RSMS  |     |     |     |
|------|--|------|-----|-----|-----|-----|-------|-------|-----|-----|-----|
| (kW) |  | 1.0  | 1.5 | 2.0 | 2.5 | 3.0 | 4.5   | 5.0   | 4.0 | 4.5 | 5.0 |
| LL   |  | 158  | 183 | 208 | 233 | 258 | 213   | 233   | 248 | 268 | 288 |
|      |  | 183  | 208 | 233 | 258 | 283 | 238   | 258   | 273 | 293 | 313 |
| LR   |  | 55   | 55  | 55  | 65  | 65  | 70    | 70    | 65  | 65  | 65  |
| S    |  | 22   | 22  | 22  | 24  | 24  | 35    | 35    | 24  | 24  | 24  |
| LA   |  | 145  | 145 | 145 | 145 | 145 | 200   | 200   | 145 | 145 | 145 |
| LB   |  | 110  | 110 | 110 | 110 | 110 | 114.3 | 114.3 | 110 | 110 | 110 |
| LC   |  | 130  | 130 | 130 | 130 | 130 | 180   | 180   | 130 | 130 | 130 |
| LD   |  | 167  | 167 | 167 | 167 | 167 | 230   | 230   | 167 | 167 | 167 |
| LE   |  | 6    | 6   | 6   | 6   | 6   | 3.2   | 3.2   | 6   | 6   | 6   |
| LF   |  | 12   | 12  | 12  | 12  | 12  | 18    | 18    | 12  | 12  | 12  |
| LZ   |  | 9    | 9   | 9   | 9   | 9   | 13.5  | 13.5  | 9   | 9   | 9   |

## RSMH / MF / MK

### RSMH / MF series

|      |  | RSMH |     |     |       |       |       |       | RSMF |       |       |      |      |      |
|------|--|------|-----|-----|-------|-------|-------|-------|------|-------|-------|------|------|------|
| (kW) |  | 0.5  | 1.0 | 1.5 | 2.0   | 3.0   | 4.0   | 5.0   | 0.4  | 0.75  | 1.5   | 2.5  | 3.5  | 4.5  |
| LL   |  | 158  | 183 | 208 | 198   | 213   | 238   | 263   | 128  | 133   | 153   | 147  | 155  | 171  |
|      |  | 183  | 208 | 233 | 223   | 238   | 263   | 288   | 153  | 158   | 178   | 178  | 186  | 202  |
| LR   |  | 70   | 70  | 70  | 80    | 80    | 80    | 80    | 55   | 55    | 65    | 65   | 65   | 70   |
| S    |  | 22   | 22  | 22  | 35    | 35    | 35    | 35    | 19   | 22    | 35    | 35   | 35   | 35   |
| LA   |  | 145  | 145 | 145 | 200   | 200   | 200   | 200   | 145  | 200   | 200   | 235  | 235  | 235  |
| LB   |  | 110  | 110 | 110 | 114.3 | 114.3 | 114.3 | 114.3 | 110  | 114.3 | 114.3 | 200  | 200  | 200  |
| LC   |  | 130  | 130 | 130 | 180   | 180   | 180   | 180   | 130  | 180   | 180   | 220  | 220  | 220  |
| LD   |  | 167  | 167 | 167 | 230   | 230   | 230   | 230   | 167  | 230   | 230   | 286  | 286  | 286  |
| LE   |  | 6    | 6   | 6   | 3.2   | 3.2   | 3.2   | 3.2   | 6    | 3.2   | 3.2   | 4    | 4    | 4    |
| LF   |  | 12   | 12  | 12  | 18    | 18    | 18    | 18    | 12   | 18    | 18    | 16   | 16   | 16   |
| LZ   |  | 9    | 9   | 9   | 13.5  | 13.5  | 13.5  | 13.5  | 9    | 13.5  | 13.5  | 13.5 | 13.5 | 13.5 |

### RSMK series

|      |  | RSMK |     |     |       |       |       |       |       |
|------|--|------|-----|-----|-------|-------|-------|-------|-------|
| (kW) |  | 0.3  | 0.6 | 0.9 | 1.2   | 2.0   | 3.0   | 4.5   | 6.0   |
| LL   |  | 133  | 158 | 183 | 183   | 203   | 243   | 298   | 343   |
|      |  | 158  | 183 | 208 | 208   | 228   | 268   | 323   | 368   |
| LR   |  | 70   | 70  | 70  | 80    | 80    | 80    | 113   | 113   |
| S    |  | 22   | 22  | 22  | 35    | 35    | 35    | 42    | 42    |
| LA   |  | 145  | 145 | 145 | 200   | 200   | 200   | 200   | 200   |
| LB   |  | 110  | 110 | 110 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| LC   |  | 130  | 130 | 130 | 180   | 180   | 180   | 180   | 180   |
| LD   |  | 165  | 165 | 165 | 230   | 230   | 230   | 230   | 230   |
| LE   |  | 6    | 6   | 6   | 3.2   | 3.2   | 3.2   | 3.2   | 3.2   |
| LF   |  | 12   | 12  | 12  | 18    | 18    | 18    | 18    | 18    |
| LZ   |  | 9    | 9   | 9   | 13.5  | 13.5  | 13.5  | 13.5  | 13.5  |

## RSMD / MS /MH / MF

### RSMD

|        |                                     | RSMD  |       |       |       |       |       |       |
|--------|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| (kW)   |                                     | 1.0   | 1.5   | 2.0   | 2.5   | 3.0   | 4.5   | 5.0   |
|        | N·m                                 | 16.1  | 16.1  | 16.1  | 16.1  | 16.1  | 24.5  | 24.5  |
|        | kg·m <sup>2</sup> ×10 <sup>-4</sup> | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 4.7   | 4.7   |
|        | ms                                  | 110   | 110   | 110   | 110   | 110   | 80    | 80    |
|        | ms                                  | 50    | 50    | 50    | 50    | 50    | 25    | 25    |
|        | V <sub>DC</sub>                     | 24    | 24    | 24    | 24    | 24    | 24    | 24    |
| ( 20 ) | A                                   | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   | 1.3   | 1.3   |
| ( 1 )  | J                                   | 1470  | 1470  | 1470  | 1470  | 1470  | 1372  | 1372  |
|        |                                     | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 |

### RSMS

|        |                                     | RSMS  |       |       |
|--------|-------------------------------------|-------|-------|-------|
| (kW)   |                                     | 4.0   | 4.5   | 5.0   |
|        | N·m                                 | 16.1  | 16.1  | 16.1  |
|        | kg·m <sup>2</sup> ×10 <sup>-4</sup> | 1.2   | 1.2   | 1.2   |
|        | ms                                  | 110   | 110   | 110   |
|        | ms                                  | 50    | 50    | 50    |
|        | V <sub>DC</sub>                     | 24    | 24    | 24    |
| ( 20 ) | A                                   | 0.9   | 0.9   | 0.9   |
| ( 1 )  | J                                   | 1470  | 1470  | 1470  |
|        |                                     | 20000 | 20000 | 20000 |

### RSMH

|        |                                     | RSMH  |       |       |       |       |       |       |
|--------|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| (kW)   |                                     | 0.5   | 1.0   | 1.5   | 2.0   | 3.0   | 4.0   | 5.0   |
|        | N·m                                 | 16.1  | 16.1  | 16.1  | 24.5  | 24.5  | 24.5  | 24.5  |
|        | kg·m <sup>2</sup> ×10 <sup>-4</sup> | 1.2   | 1.2   | 1.2   | 4.7   | 4.7   | 4.7   | 4.7   |
|        | ms                                  | 110   | 110   | 110   | 80    | 80    | 80    | 80    |
|        | ms                                  | 50    | 50    | 50    | 25    | 25    | 25    | 25    |
|        | V <sub>DC</sub>                     | 24    | 24    | 24    | 24    | 24    | 24    | 24    |
| ( 20 ) | A                                   | 0.9   | 0.9   | 0.9   | 1.3   | 1.3   | 1.3   | 1.3   |
| ( 1 )  | J                                   | 1470  | 1470  | 1470  | 1372  | 1372  | 1372  | 1372  |
|        |                                     | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 |

, ( ) .

## RSMF / MK

### RSMF

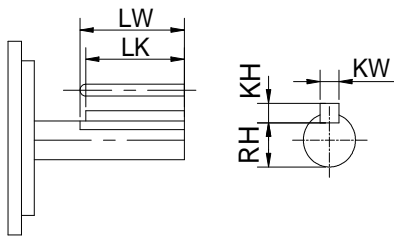
|        |                                          | RSMF  |       |       |       |       |       |
|--------|------------------------------------------|-------|-------|-------|-------|-------|-------|
| (kW)   |                                          | 0.4   | 0.75  | 1.5   | 2.5   | 3.5   | 4.5   |
|        | N·m                                      | 16.1  | 24.5  | 24.5  | 31.4  | 31.4  | 31.4  |
|        | $\text{kg}\cdot\text{m}^2\times 10^{-4}$ | 1.2   | 4.7   | 4.7   | 11.0  | 11.0  | 11.0  |
|        | ms                                       | 110   | 80    | 80    | 150   | 150   | 150   |
|        | ms                                       | 50    | 25    | 25    | 100   | 100   | 100   |
|        | V <sub>DC</sub>                          | 24    | 24    | 24    | 24    | 24    | 24    |
| ( 20 ) | A                                        | 0.9   | 1.3   | 1.3   | 0.75  | 0.75  | 0.75  |
| ( 1 )  | J                                        | 1470  | 1372  | 1372  | 1470  | 1470  | 1470  |
|        |                                          | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 |

### RSMK

|        |                                          | RSMK  |       |       |       |       |       |       |       |
|--------|------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| (kW)   |                                          | 0.3   | 0.6   | 0.9   | 1.2   | 2.0   | 3.0   | 4.5   | 6.0   |
|        | N·m                                      | 16.5  | 16.5  | 16.5  | 25    | 25    | 25    | 25    | 25    |
|        | $\text{kg}\cdot\text{m}^2\times 10^{-4}$ | 1.2   | 1.2   | 1.2   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   |
|        | ms                                       | 110   | 110   | 110   | 160   | 160   | 160   | 160   | 160   |
|        | ms                                       | 50    | 50    | 50    | 75    | 75    | 75    | 75    | 75    |
|        | V <sub>DC</sub>                          | 24    | 24    | 24    | 24    | 24    | 24    | 24    | 24    |
| ( 20 ) | A                                        | 0.9   | 0.9   | 0.9   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   |
| ( 1 )  | J                                        | 1470  | 1470  | 1470  | 1800  | 1800  | 1800  | 1800  | 1800  |
|        |                                          | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 |

**RSMD / MS / MH / MF / MK ( )**

|      | RSMD    |         |         | RSMS    | RSMH    |         | RSMF |     |         |
|------|---------|---------|---------|---------|---------|---------|------|-----|---------|
| (kW) | 1.0~2.0 | 2.5~3.0 | 4.5~5.0 | 4.0~5.0 | 0.5~1.5 | 2.0~5.0 | 0.4  | 0.8 | 1.5~4.5 |
| LW   | 45      | 55      | 55      | 55      | 45      | 55      | 45   | 45  | 55      |
| LK   | 41      | 51      | 50      | 51      | 41      | 50      | 42   | 41  | 50      |
| KW   | 8h9     | 8h9     | 10h9    | 8h9     | 8h9     | 10h9    | 6h9  | 8h9 | 10h9    |
| KH   | 7       | 7       | 8       | 7       | 7       | 8       | 6    | 7   | 8       |
| RH   | 18      | 20      | 30      | 20      | 18      | 30      | 15.5 | 18  | 30      |



**RSMD / MS / MH / MF / MK**

|                                                                    |         | No.                |                    |     |                |                 |                |                |                |                |      |      |  |      |
|--------------------------------------------------------------------|---------|--------------------|--------------------|-----|----------------|-----------------|----------------|----------------|----------------|----------------|------|------|--|------|
| RSMD-10~50<br>RSMS-40~50<br>RSMH-05~50<br>RSMF-04~45<br>RSMK-03~60 |         | MS 3102A<br>20-29P | No.                | A   | B              | C               | D              | E              | F              | G              | H    | J    |  |      |
|                                                                    |         |                    |                    | A   | $\overline{A}$ | B               | $\overline{B}$ | Z              | $\overline{Z}$ | 0V             | +5V  | FG   |  |      |
|                                                                    |         |                    | No.                | K   | L              | M               | N              | P              | R              | S              | T    |      |  |      |
|                                                                    |         |                    |                    | U   | $\overline{U}$ | V               | $\overline{V}$ | W              | $\overline{W}$ |                |      |      |  |      |
|                                                                    | (17bit) |                    | MS 3102A<br>20-29P | No. | A              | B               | C              | D              | E              | F              | G    | H    |  | J    |
|                                                                    |         |                    |                    |     |                |                 |                |                |                |                | 0V   | +5V  |  | FG   |
|                                                                    |         |                    |                    | No. | K              | L               | M              | N              | P              | R              | S    | T    |  |      |
|                                                                    |         |                    |                    |     | SD             | $\overline{SD}$ |                |                |                |                | BAT- | BAT+ |  |      |
|                                                                    | (11bit) |                    | MS 3102A<br>20-29P | No. | A              | B               | C              | D              | E              | F              | G    | H    |  | J    |
|                                                                    |         |                    |                    |     | A              | $\overline{A}$  | B              | $\overline{B}$ | Z              | $\overline{Z}$ | 0V   | +5V  |  | FG   |
|                                                                    |         |                    |                    | No. | K              | L               | M              | N              | P              | R              | S    | T    |  |      |
|                                                                    |         |                    |                    |     | RX             | $\overline{RX}$ |                |                |                |                | RST  | BAT- |  | BAT+ |