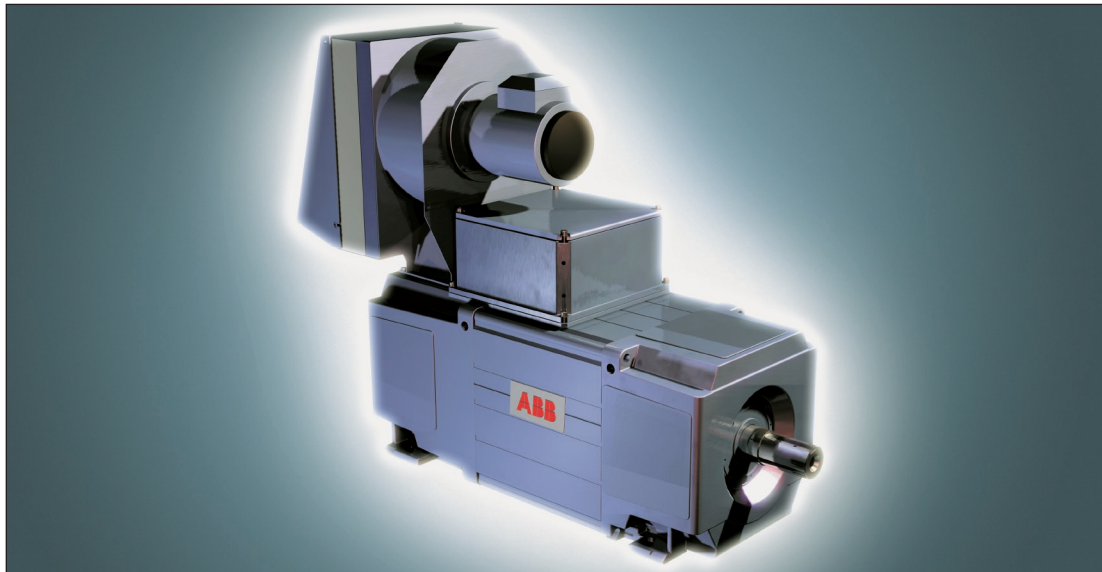


DMI - DC motors ready for delivery



Stock motors

Selected DMI motors are kept in stock in the factory in Vasteras, Sweden with short delivery time, normally within one week.

Possibility for users to change position of the fan unit and to couple the field for either 310 or 155 Volts. Instructions are enclosed with the motor.

For ratings just turn the page.

Converters for fast delivery

For emergency deliveries DCS800 converter modules are available from stock in Ladenburg, Germany. Expected delivery is one working day, if order is placed until noon.

For all emergency and fast deliveries of DC Drives converter modules and cabinets, please contact ABB DC Drives in Ladenburg.

DMI stock motors - main features

Layout

| | |
|-----------------------|--------|
| Mounting option | IM1001 |
| Terminal box location | Top |
| Cable entrance | Right |

Cooling options

| | |
|--|---------------|
| Cooling form | IC06 |
| Fan unit data | 380-420V 50Hz |
| Direction of cooling air (May be changed by customer) | N-end |
| Pressure switch mounted on fan | |

Temperature sensors

| | |
|---------------------|---------------|
| Thermostat (Klixon) | In 2 windings |
|---------------------|---------------|

General accessories

| | |
|-------------------|--|
| Ball Bearings | |
| Brush wear sensor | |
| Grounding brush | |

Speed control

Only mounting details for euroflange

Standard

| | |
|---------------|----------|
| Balancing | G2.5 |
| Balanced with | Half key |

Painting and packing

| | |
|----------|--------------------|
| Painting | ABB blue |
| Packing | Strapped to pallet |

Warranty

24 months from delivery or 12 months after commissioning, whichever comes first



PM608 EN Rev A 2008

Product notes



Rating data for DMI stock motors

Dimension drawings and further details are available at www.abb.com/motors&generators

| General data | | $U_F = 310 / 155 \text{ V}$ | | Insulation 200 | | DMI Stock motors | | |
|-------------------|-----|-----------------------------|------|--------------------|-------|----------------------------|----------|---|
| | | $I_{\max}/I_N = 180 \%$ | | Utilization 180(H) | | Ratings acc. to IEC60034-1 | | |
| | | $T_{\max}/T = 160 \%$ | | | | | | |
| $U_N \text{ (V)}$ | | P | | T | I_N | n_{shunt} | Cat. No. | |
| 400 | 440 | 470 | (kW) | (hp) | (Nm) | (A) | | (min^{-1}) |
| 1) 1701 | | | 125 | 168 | 702 | 339 | 2720 | DMI 180M-BFS $R_a = 68 \text{ m}\Omega$ $L_a = 0,87 \text{ mH}$ $I_f = 8,0 / 16,0 \text{ A}$ $J = 0,8 \text{ kgm}^2$ $W = 460 \text{ kg}$ |
| 1882 | | | 138 | 185 | 700 | 339 | 3011 | |
| 2018 | | | 148 | 198 | 700 | 339 | 3228 | |
| 2) 1717 | | | 106 | 142 | 590 | 286 | 2747 | DMI 180P-AXS $R_a = 76 \text{ m}\Omega$ $L_a = 0,99 \text{ mH}$ $I_f = 9,3 / 18,6 \text{ A}$ $J = 0,9 \text{ kgm}^2$ $W = 530 \text{ kg}$ |
| 1899 | | | 117 | 157 | 588 | 285 | 3038 | |
| 2034 | | | 126 | 169 | 592 | 287 | 3254 | |
| 1) 1421 | | | 123 | 165 | 827 | 336 | 2273 | DMI 200P-DDS $R_a = 57 \text{ m}\Omega$ $L_a = 1,15 \text{ mH}$ $I_f = 13,0 / 26,0 \text{ A}$ $J = 1,4 \text{ kgm}^2$ $W = 670 \text{ kg}$ |
| 1573 | | | 137 | 184 | 832 | 338 | 2516 | |
| 1688 | | | 146 | 196 | 826 | 336 | 2700 | |
| 2) 1436 | | | 105 | 141 | 698 | 284 | 2297 | DMI 200U-CMS $R_a = 72 \text{ m}\Omega$ $L_a = 1,54 \text{ mH}$ $I_f = 13,5 / 27,0 \text{ A}$ $J = 1,8 \text{ kgm}^2$ $W = 880 \text{ kg}$ |
| 1589 | | | 116 | 156 | 697 | 284 | 2542 | |
| 1703 | | | 124 | 166 | 695 | 284 | 2724 | |
| 1) 1249 | | | 160 | 215 | 1223 | 435 | 1998 | DMI 225S-FDS $R_a = 27 \text{ m}\Omega$ $L_a = 0,59 \text{ mH}$ $I_f = 13,9 / 27,6 \text{ A}$ $J = 3,0 \text{ kgm}^2$ $W = 1000 \text{ kg}$ |
| 1383 | | | 177 | 237 | 1222 | 435 | 2212 | |
| 1484 | | | 189 | 253 | 1216 | 433 | 2374 | |
| 2) 1262 | | | 136 | 182 | 1029 | 367 | 2019 | DMI 225U-EXS $R_a = 30 \text{ m}\Omega$ $L_a = 0,68 \text{ mH}$ $I_f = 15,2 / 30,4 \text{ A}$ $J = 3,4 \text{ kgm}^2$ $W = 1160 \text{ kg}$ |
| 1396 | | | 150 | 201 | 1026 | 366 | 2233 | |
| 1496 | | | 161 | 216 | 1028 | 367 | 2393 | |
| 1) 908 | | | 157 | 211 | 1651 | 433 | 1452 | DMI 225U-EXS $R_a = 30 \text{ m}\Omega$ $L_a = 0,68 \text{ mH}$ $I_f = 15,2 / 30,4 \text{ A}$ $J = 3,4 \text{ kgm}^2$ $W = 1160 \text{ kg}$ |
| 1006 | | | 174 | 233 | 1652 | 433 | 1609 | |
| 1082 | | | 185 | 248 | 1633 | 429 | 1731 | |
| 2) 920 | | | 133 | 178 | 1380 | 363 | 1472 | DMI 225U-EXS $R_a = 30 \text{ m}\Omega$ $L_a = 0,68 \text{ mH}$ $I_f = 15,2 / 30,4 \text{ A}$ $J = 3,4 \text{ kgm}^2$ $W = 1160 \text{ kg}$ |
| 1019 | | | 148 | 198 | 1387 | 365 | 1630 | |
| 1094 | | | 157 | 211 | 1370 | 361 | 1750 | |
| 1) 1318 | | | 262 | 351 | 1898 | 699 | 2108 | DMI 225U-EXS $R_a = 30 \text{ m}\Omega$ $L_a = 0,68 \text{ mH}$ $I_f = 15,2 / 30,4 \text{ A}$ $J = 3,4 \text{ kgm}^2$ $W = 1160 \text{ kg}$ |
| 1457 | | | 289 | 388 | 1894 | 699 | 2331 | |
| 1561 | | | 310 | 416 | 1896 | 699 | 2497 | |
| 2) 1328 | | | 223 | 299 | 1603 | 592 | 2124 | DMI 225U-EXS $R_a = 30 \text{ m}\Omega$ $L_a = 0,68 \text{ mH}$ $I_f = 15,2 / 30,4 \text{ A}$ $J = 3,4 \text{ kgm}^2$ $W = 1160 \text{ kg}$ |
| 1467 | | | 246 | 330 | 1601 | 592 | 2347 | |
| 1571 | | | 264 | 354 | 1605 | 593 | 2513 | |
| 1) 1103 | | | 262 | 351 | 2268 | 703 | 1764 | DMI 225U-EXS $R_a = 30 \text{ m}\Omega$ $L_a = 0,68 \text{ mH}$ $I_f = 15,2 / 30,4 \text{ A}$ $J = 3,4 \text{ kgm}^2$ $W = 1160 \text{ kg}$ |
| 1221 | | | 289 | 388 | 2260 | 702 | 1953 | |
| 1308 | | | 310 | 416 | 2263 | 702 | 2092 | |
| 2) 1113 | | | 223 | 299 | 1913 | 595 | 1780 | DMI 225U-EXS $R_a = 30 \text{ m}\Omega$ $L_a = 0,68 \text{ mH}$ $I_f = 15,2 / 30,4 \text{ A}$ $J = 3,4 \text{ kgm}^2$ $W = 1160 \text{ kg}$ |
| 1230 | | | 246 | 330 | 1910 | 594 | 1968 | |
| 1318 | | | 264 | 354 | 1913 | 595 | 2108 | |

1) Cooling air inlet at n-end

2) Cooling air inlet at d-end



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