

General Options

General Accessories for all VFDs

| Motor HP | Input / Output Reactors (*1) | | DC Link Choke (*2) | Input Circuit Breaker (UL489) | Input Contactor | Passive Harmonic Filter (*3) | Sine Wave Output Filter (*3) |
|-----------------|------------------------------|---------------|--------------------|-------------------------------|-----------------|------------------------------|------------------------------|
| | 3% | 5% | | | | | |
| 208-230V | | | | | | | |
| 1/4 | MRL-00201 | MRL-00202 | DCA000204 | NF50-SVFU3P5A | S-T10 | - | - |
| 1/2 | MRL-00205 | MRL-00201 | DCA000402 | NF50-SVFU3P5A | S-T10 | - | - |
| 1 | MRL-00401 | MRL-00402 | DCA000902 | NF50-SVFU3P10A | S-T10 | - | - |
| 2 | MRL-00801 | MRL-00802 | DCA000802 | NF50-SVFU3P15A | S-T10 | - | - |
| 3 | MRL-01201 | MRL-01202 | DCA001802 | NF50-SVFU3P20A | S-T10 | - | - |
| 5 | MRL-01801 | MRL-01802 | DCA001802 | NF50-SVFU3P30A | S-T20 | - | - |
| 7.5 | MRL-02501 | MRL-02502 | DCA003201 | NF50-SVFU3P50A | S-T20 | - | - |
| 10 | MRL-03501 | MRL-03502 | DCA004002 | NF125-SVU3P60A | S-T25 | - | - |
| 15 | MRL-04511 | MRL-04502 | DCA005001 | NF125-SVU3P75A | S-T35 | - | - |
| 20 | MRL-05501 | MRL-05502 | DCA008002 | NF125-SVU3P125A | S-T50 | - | - |
| 25 | MRL-08001 | MRL-08002 | DCA011003 | NF250-SVU3P150A | S-T65 | - | - |
| 30 | MRL-08001 | MRL-08002 | DCA011003 | NF250-SVU3P175A | S-T80 | - | - |
| 40 | MRL-10001 | MRL-10002 | DCA012502 | NF250-SVU3P225A | S-T100 | - | - |
| 50 | MRL-13001 | MRL-13002 | DCA020002 | NF250-SVU3P250A | S-N150 | - | - |
| 60 | MRL-16001 | MRL-16002 | DCA020002 | - | S-N180 | - | - |
| 75 | MRL-20001B14 | MRL-20002B14 | 240RB002 | - | S-N200 | - | - |
| 100 | MRL-25001B14 | MRL-25002B14 | STANDARD | - | S-N300 | - | - |
| 125 | MRL-32001B14 | MRL-32002B14 | STANDARD | - | S-N300 | - | - |
| 150 | MRL-40001B14 | MRL-40002B14 | STANDARD | - | S-N300 | - | - |
| 200 | MRL-50001B14 | MRL-50002 | STANDARD | - | S-N400 | - | - |
| 460-480V | | | | | | | |
| 1/2 | MRL-00201 | MRL-00103 | DCA000204 | NF100-HRU3P5A | S-T10 | - | - |
| 1 | MRL-00201 | MRL-00202 | DCA000204 | NF100-HRU3P5A | S-T10 | - | SWGMM0002D |
| 2 | MRL-00402 | MRL-00403 | DCA000402 | NF100-HRU3P10A | S-T10 | - | SWGMM0003D |
| 3 | MRL-00402 | MRL-00403 | DCA000903 | NF100-HRU3P10A | S-T10 | MAPP0006D | SWGMM0005D |
| 5 | MRL-00802 | MRL-00803 | DCA000903 | NF125-SVU3P20A | S-T10 | MAPP0008D | SWGMM0009D |
| 7.5 | MRL-01202 | MRL-01203 | DCA001804 | NF125-SVU3P30A | S-T20 | MAPP0011D | SWGMM0012D |
| 10 | MRL-01802 | MRL-01803 | DCA001803 | NF125-SVU3P30A | S-T20 | MAPP0014D | SWGMM0017D |
| 15 | MRL-02502 | MRL-04502 | DCA002503 | NF125-SVU3P50A | S-T20 | MAPP0021D | SWGMM0022D |
| 20 | MRL-03502 | MRL-05502 | DCA003202 | NF125-SVU3P60A | S-T25 | MAPP0027D | SWGMM0027D |
| 25 | MRL-03502 | MRL-08002 | DCA004003 | NF125-SVU3P75A | S-T25 | MAPP0034D | SWGMM0035D |
| 30 | MRL-04502 | MRL-08002 | DCA005004 | NF125-SVU3P100A | S-T35 | MAPP0044D | SWGMM0045D |
| 40 | MRL-05502 | MRL-10002 | DCA008005 | NF125-SVU3P125A | S-T50 | MAPP0052D | SWGMM0055D |
| 50 | MRL-08002 | MRL-13002 | DCA008005 | NF250-SVU3P150A | S-T65 | MAPP0066D | SWGMM0065D |
| 60 | MRL-08002 | MRL-16002 | DCA009202 | NF250-SVU3P175A | S-T80 | MAPP0083D | SWGMM0080D |
| 75 | MRL-10002 | MRL-20002B14 | 125RB003 | NF250-SVU3P200A | S-T80 | MAPP0103D | SWGMM0110D |
| 100 | MRL-13002 | MRL-13003 | STANDARD | NF250-SVU3P225A | S-T100 | MAPP0128D | SWGMM0130D |
| 125 | MRL-16002 | MRL-16003 | STANDARD | NF250-SVU3P225A | S-N150 | MAPP0165D | SWGMM0160D |
| 150 | MRL-20002B14 | MRL-20003B14 | STANDARD | NF250-SVU3P225A | S-N180 | MAPP0208D | SWGMM0200D |
| 200 | MRL-25002B14 | MRL-25003B14 | STANDARD | - | S-N220 | MAPP0240D | SWGMM0250D |
| 250 | MRL-32002B14 | MRL-32003B14 | STANDARD | - | S-N300 | MAPP0320D | SWGMM0305D |
| 300 | MRL-40002B14 | MRL-40003B14 | STANDARD | - | S-N300 | MAPP0403D | SWGMM0365D |
| 350 | MRL-50002 | MRL-50003 | STANDARD | - | S-N400 | MAPP0482D | SWGMM0415D |
| 400 | MRL-50002 | MRL-50003 | STANDARD | - | S-N600 | MAPP0482D | SWGMM0515D |
| 450 | MRL-60002 | MRL-60003 | STANDARD | - | S-N600 | MAPP0636D | SWGMM0515D |
| 500 | MRL-60002 | MRL-60003 | STANDARD | - | S-N600 | MAPP0636D | SWGMM0600D |
| 550 | MRL-75002 | MRL-75003 | STANDARD | - | S-N600 | MAPP0786D | SWGMM0720D |
| 600 | MRL-75002 | MRL-75003 | STANDARD | - | S-N800 | MAPP0786D | SWGMM0720D |
| 700 | MRL-85002B14 | MRL-85003B14 | STANDARD | - | - | MAPP0850D | - |
| 800 | MRL-100002B14 | MRL-100013B14 | STANDARD | - | - | MAPP1000D | - |
| 600V | | | | | | | |
| 1 | MRL-00202 | MRL-00203 | DCA000204 | - | S-T10 | - | - |
| 3 | MRL-00403 | MRL-00404 | DCA000904 | NF125-HVU3P15A | S-T20 | - | - |
| 5 | MRL-00803 | MRL-00804 | DCA000904 | NF125-HVU3P20A | S-T20 | - | - |
| 10 | MRL-01202 | MRL-01203 | DCA001803 | NF125-HVU3P30A | S-T20 | - | - |
| 20 | MRL-02502 | MRL-02503 | DCA003203 | NF125-HVU3P60A | S-T25 | - | - |
| 30 | MRL-03502 | MRL-03503 | DCA004003 | NF125-HVU3P100A | S-T25 | - | - |
| 50 | MRL-05502 | MRL-05503 | DCA008005 | NF125-HVU3P125A | S-T50 | - | - |
| 75 | MRL-08002 | MRL-08003 | DCA009203 | NF250-HVU3P175A | S-T65 | - | - |
| 100 | MRL-10002 | MRL-10003 | STANDARD | NF250-HVU3P175A | S-T65 | - | - |
| 125 | MRL-13002 | MRL-13003 | STANDARD | NF250-HVU3P225A | S-T80 | - | - |
| 150 | MRL-16002 | MRL-16003 | STANDARD | NF250-HVU3P250A | S-N125 | - | - |
| 200 | MRL-20002B14 | MRL-20003B14 | STANDARD | NF4SWU3350BB | S-N150 | - | - |
| 300 | MRL-32002B14 | MRL-32013B14 | STANDARD | NF4SWU3400BB | S-N180 | - | - |
| 350 | MRL-40002B14 | MRL-40013B14 | STANDARD | NF6SWU3600BB | S-N300 | - | - |
| 450 | MRL-50002 | MRL-40013B14 | STANDARD | NF6SWU3600BB | S-N400 | - | - |
| 550 | MRL-60002 | MRL-60003 | STANDARD | - | S-N600 | - | - |
| 700 | MRL-75002 | MRL-75003 | STANDARD | - | S-N600 | - | - |

Notes:

1. Model numbers for input reactors are for OPEN types. Change the second from last digit to a '1' for NEMA 1 types (e.g. MRL-00201 becomes MRL-00211)
2. DC Link chokes are OPEN type and at least 3% inductance.

Line / Load Reactor Electrical Data

| Model Number | Watts Loss | Wire Range (AWG) | Terminal Torque (in / lbs) | Ind. mH | Fund Amps | Max Amps |
|--------------|------------|------------------|----------------------------|---------|-----------|----------|
| MRL-00201 | 8 | 22 14 | 4.5 | 12 | 2 | 3 |
| MRL-00202 | 12 | 22 14 | 4.5 | 20 | 2 | 3 |
| MRL-00203 | 16 | 22 14 | 4.5 | 32 | 2 | 3 |
| MRL-00204 | 11 | 22 14 | 4.5 | 6 | 2 | 3 |
| MRL-00401 | 15 | 22 14 | 4.5 | 3 | 4 | 6 |
| MRL-00402 | 20 | 22 14 | 4.5 | 6.5 | 4 | 6 |
| MRL-00403 | 20 | 22 14 | 4.5 | 9 | 4 | 6 |
| MRL-00404 | 21 | 22 14 | 4.5 | 12 | 4 | 6 |
| MRL-00801 | 20 | 22 14 | 4.5 | 1.5 | 8 | 12 |
| MRL-00802 | 29 | 22 14 | 4.5 | 3 | 8 | 12 |
| MRL-00803 | 26 | 22 14 | 4.5 | 5 | 8 | 12 |
| MRL-00804 | 28 | 22 14 | 4.5 | 7.5 | 8 | 12 |
| MRL-01201 | 26 | 22 5 | 16 | 1.25 | 12 | 18 |
| MRL-01202 | 31 | 22 5 | 16 | 2.5 | 12 | 18 |
| MRL-01203 | 41 | 22 5 | 16 | 4.2 | 12 | 18 |
| MRL-01801 | 36 | 22 5 | 16 | 0.8 | 18 | 27 |
| MRL-01802 | 43 | 22 5 | 16 | 1.5 | 18 | 27 |
| MRL-01803 | 43 | 22 5 | 16 | 2.5 | 18 | 27 |
| MRL-02501 | 48 | 22 5 | 16 | 0.5 | 25 | 37.5 |
| MRL-02502 | 52 | 22 5 | 16 | 1.2 | 25 | 37.5 |
| MRL-02503 | 61 | 22 5 | 16 | 1.8 | 25 | 37.5 |
| MRL-03501 | 49 | 22 5 | 16 | 0.4 | 35 | 52.5 |
| MRL-03502 | 54 | 22 5 | 16 | 0.8 | 35 | 52.5 |
| MRL-03503 | 54 | 18 4 | 20 | 1.2 | 35 | 52.5 |
| MRL-04501 | 54 | 18 4 | 20 | 0.3 | 45 | 67.5 |
| MRL-04502 | 62 | 18 4 | 20 | 0.7 | 45 | 67.5 |
| MRL-04503 | 65 | 18 4 | 20 | 1.2 | 45 | 67.5 |
| MRL-05501 | 64 | 6 0 | 6-4(45) & 2-0(50) | 0.25 | 55 | 82.5 |
| MRL-05502 | 67 | 6 0 | 6-4(45) & 2-0(50) | 0.5 | 55 | 82.5 |
| MRL-05503 | 71 | 6 0 | 6-4(45) & 2-0(50) | 0.85 | 55 | 82.5 |
| MRL-08001 | 82 | 6 0 | 6-4(45) & 2-0(50) | 0.2 | 80 | 120 |
| MRL-08002 | 86 | 6 0 | 6-4(45) & 2-0(50) | 0.4 | 80 | 120 |
| MRL-08003 | 96 | 6 0 | 6-4(45) & 2-0(50) | 0.7 | 80 | 120 |
| MRL-10001 | 94 | 6 0 | 6-4(45) & 2-0(50) | 0.15 | 100 | 150 |
| MRL-10002 | 84 | 6 0 | 6-4(45) & 2-0(50) | 0.3 | 100 | 150 |
| MRL-10003 | 108 | 6 0 | 6-4(45) & 2-0(50) | 0.45 | 100 | 150 |
| MRL-13001 | 108 | 2 0000 | 150 | 0.1 | 130 | 195 |
| MRL-13002 | 180 | 2 0000 | 150 | 0.2 | 130 | 195 |
| MRL-13003 | 128 | 2 0000 | 150 | 0.3 | 130 | 195 |
| MRL-16001 | 116 | 2 0000 | 150 | 0.075 | 160 | 240 |
| MRL-16002 | 149 | 2 0000 | 150 | 0.15 | 160 | 240 |
| MRL-16003 | 138 | 2 0000 | 150 | 0.23 | 160 | 240 |
| MRL-20001B14 | 124 | Copper tab | Not Applicable | 0.055 | 200 | 300 |
| MRL-20002B14 | 168 | Copper tab | Not Applicable | 0.11 | 200 | 300 |
| MRL-20003B14 | 146 | Copper tab | Not Applicable | 0.185 | 200 | 300 |
| MRL-25001B14 | 154 | Copper tab | Not Applicable | 0.045 | 250 | 375 |
| MRL-25002B14 | 231 | Copper tab | Not Applicable | 0.09 | 250 | 375 |
| MRL-25003B14 | 219 | Copper tab | Not Applicable | 0.15 | 250 | 375 |
| MRL-32001B14 | 224 | Copper tab | Not Applicable | 0.04 | 320 | 480 |
| MRL-32002B14 | 264 | Copper tab | Not Applicable | 0.075 | 320 | 480 |
| MRL-32003B14 | 351 | Copper tab | Not Applicable | 0.125 | 320 | 480 |
| MRL-40001B14 | 231 | Copper tab | Not Applicable | 0.03 | 400 | 600 |
| MRL-40002B14 | 333 | Copper tab | Not Applicable | 0.06 | 400 | 600 |
| MRL-40003B14 | 293 | Copper tab | Not Applicable | 0.105 | 400 | 600 |
| MRL-50001 | 266 | Copper tab | Not Applicable | 0.025 | 500 | 750 |
| MRL-50002 | 340 | Copper tab | Not Applicable | 0.05 | 500 | 750 |
| MRL-50003 | 422 | Copper tab | Not Applicable | 0.085 | 500 | 750 |
| MRL-60001 | 307 | Copper tab | Not Applicable | 0.02 | 600 | 900 |
| MRL-60002 | 414 | Copper tab | Not Applicable | 0.04 | 600 | 900 |
| MRL-60003 | 406 | Copper tab | Not Applicable | 0.065 | 600 | 900 |
| MRL-75001 | 427 | Copper tab | Not Applicable | 0.015 | 750 | 1125 |
| MRL-75002 | 630 | Copper tab | Not Applicable | 0.029 | 750 | 1125 |
| MRL-75003 | 552 | Copper tab | Not Applicable | 0.048 | 750 | 1125 |
| MRL-85001 | 798 | Copper tab | Not Applicable | 0.015 | 850 | 1063 |
| MRL-85002 | 930 | Copper tab | Not Applicable | 0.027 | 850 | 1063 |
| MRL-85003 | 1133 | Copper tab | Not Applicable | 0.042 | 850 | 1063 |
| MRL-90001 | 860 | Copper tab | Not Applicable | 0.013 | 900 | 1125 |
| MRL-90002 | 1020 | Copper tab | Not Applicable | 0.025 | 900 | 1125 |
| MRL-90003 | 1365 | Copper tab | Not Applicable | 0.04 | 900 | 1125 |
| MRL-100001 | 940 | Copper tab | Not Applicable | 0.011 | 1000 | 1250 |
| MRL-100002 | 1090 | Copper tab | Not Applicable | 0.022 | 1000 | 1250 |
| MRL-100003 | 1500 | Copper tab | Not Applicable | 0.038 | 1000 | 1250 |

For additional information visit <http://www.mtecorp.com/lineload.html>

DC Choke Electrical Data

| Model No. | DC Amps | mH | Watts | Lug Size | Torque | Unit Weight (lbs) |
|-----------|---------|-------|-------|------------|-------------------|-------------------|
| DCA000204 | 2 | 50 | 5 | 22-14 | 4.5 | 2 |
| DCA000402 | 4 | 12 | 5 | 22-14 | 4.5 | 2 |
| DCA000403 | 4 | 15 | 6 | 22-14 | 4.5 | 2 |
| DCA000404 | 4 | 25 | 9 | 18-4 | 20 | 4 |
| DCA000902 | 9 | 3.22 | 7 | 22-14 | 4.5 | 2 |
| DCA000903 | 9 | 7.5 | 11 | 18-4 | 20 | 4 |
| DCA000904 | 9 | 11.5 | 16 | 18-4 | 20 | 7 |
| DCA001201 | 12 | 1 | 5 | 22-14 | 4.5 | 1 |
| DCA001202 | 12 | 1 | 7 | 18-4 | 20 | 2 |
| DCA001203 | 12 | 4 | 11 | 18-4 | 20 | 4 |
| DCA001204 | 12 | 6 | 14 | 18-4 | 20 | 7 |
| DCA001801 | 18 | 0.65 | 5 | 18-4 | 20 | 2 |
| DCA001802 | 18 | 1.375 | 9 | 18-4 | 20 | 4 |
| DCA001803 | 18 | 2.75 | 16 | 18-4 | 20 | 7 |
| DCA001804 | 18 | 3.75 | 17 | 18-4 | 20 | 8 |
| DCA001805 | 18 | 6 | 20 | 18-4 | 20 | 13 |
| DCA002503 | 25 | 1.275 | 13 | 18-4 | 20 | 7 |
| DCA002504 | 25 | 1.75 | 13 | 18-4 | 20 | 5 |
| DCA002505 | 25 | 4 | 16 | 18-4 | 20 | 13 |
| DCA003201 | 32 | 0.85 | 11 | 18-4 | 20 | 5 |
| DCA003202 | 32 | 1.62 | 14 | 18-4 | 20 | 10 |
| DCA003203 | 32 | 2.68 | 21 | 18-4 | 20 | 14 |
| DCA004001 | 40 | 0.5 | 14 | 18-4 | 20 | 5 |
| DCA004002 | 40 | 0.75 | 15 | 18-4 | 20 | 7 |
| DCA004003 | 40 | 1 | 17 | 18-4 | 20 | 8 |
| DCA004004 | 40 | 2 | 29 | 18-4 | 20 | 21 |
| DCA005001 | 50 | 0.625 | 18 | 18-4 | 20 | 8 |
| DCA005003 | 50 | 1.35 | 21 | 18-4 | 20 | 15 |
| DCA005004 | 50 | 2 | 30 | 6-0 | 6-4(45) & 2-0 | 25 |
| DCA006201 | 62 | 0.32 | 17 | 6-0 | 6-4(45) & 2-0 | 8 |
| DCA006202 | 62 | 0.61 | 20 | 6-0 | 6-4(45) & 2-0 | 14 |
| DCA008002 | 80 | 0.4 | 25 | 6-0 | 6-4(45) & 2-0(50) | 14 |
| DCA008005 | 80 | 1.25 | 25 | 6-0 | 6-4(45) & 2-0(50) | 35 |
| DCA009201 | 92 | 0.2 | 19 | 6-0 | 6-4(45) & 2-0(50) | 10 |
| DCA009202 | 92 | 0.6 | 34 | 6-0 | 6-4(45) & 2-0(50) | 23 |
| DCA009203 | 92 | 1 | 48 | 6-0 | 6-4(45) & 2-0(50) | 32 |
| DCA011002 | 110 | 0.3 | 38 | 6-0 | 6-4(45) & 2-0(50) | 22 |
| DCA011003 | 110 | 0.45 | 45 | 6-0 | 6-4(45) & 2-0(50) | 22 |
| DCA012502 | 125 | 0.22 | 27 | 6-0 | 6-4(45) & 2-0(50) | 23 |
| DCA015002 | 150 | 0.22 | 36 | 2-0000 | 150 | 23 |
| DCA015004 | 150 | 0.65 | 66 | 2-0000 | 150 | 52 |
| DCA020002 | 200 | 0.21 | 50 | 2-0000 | 150 | 39 |
| 240RB002 | 240 | 0.25 | 102 | 00-500 mcm | 375 | 67 |

For additional information, visit <http://www.mtec corp.com/dclink.html>