

Optionen für ABB Frequenzumrichter

Ergänzung des Firmware-Handbuchs SynRM Motorregelungsprogramm (Option +N7502) für ACS880-01, ACS880-07, ACS850-04 und ACQ810-04



Power and productivity
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Liste ergänzender Handbücher

| ACS880-01 Hardware- und Firmware-Handbücher | Code (Englisch) | Code (Deutsch) |
|--|---------------------------------|-----------------------|
| <i>ACS880-01 hardware manual</i> | 3AUA0000078093 | 3AUA0000103702 |
| <i>ACS880 primary control program firmware manual</i> | 3AUA0000086967 | 3AUA0000111128 |
| ACS880-07 Hardware- und Firmware-Handbücher | | |
| <i>ACS880-07 (45 to 630 kW, 50 to 700 hp) hardware manual</i> | 3AUA0000105718 | 3AUA0000125106 |
| <i>ACS880-07 (560 to 2800 kW) hardware manual</i> | 3AUA0000143261 | 3AUA0000147956 |
| <i>ACS880 primary control program firmware manual</i> | 3AUA0000085967 | 3AUA0000111128 |
| ACS850-04 Hardware- und Firmware-Handbücher | | |
| <i>ACS850-04 (0,37 to 45 kW, 0,5 to 60 hp) hardware manual</i> | 3AUA0000045496 | 3AUA0000048245 |
| <i>ACS850-04 (55 to 200 kW, 60 to 200 hp) hardware manual</i> | 3AUA0000045487 | 3AUA0000065791 |
| <i>ACS850-04 (200 to 500 kW, 250 to 600 hp) hardware manual</i> | 3AUA0000026234 | 3AUA0000068274 |
| <i>ACS850-04 (160 to 560 kW, 200 to 700 hp) hardware manual</i> | 3AUA0000081249 | 3AUA0000097785 |
| <i>ACS850 standard control program firmware manual</i> | 3AUA0000045497 | 3AUA0000049379 |
| ACQ810-04 Hardware- und Firmware-Handbücher | | |
| <i>ACQ810-04 (0.37 to 45 kW, 0.5 to 60 hp) hardware manual</i> | 3AUA0000055160 | 3AUA0000070965 |
| <i>ACQ810-04 (55 to 160 kW, 75 to 200 hp) hardware manual</i> | 3AUA0000055161 | 3AUA0000073871 |
| <i>ACQ810-04 (200 to 500 kW, 300 to 700 hp) hardware manual</i> | 3AUA0000120538 | 3AUA0000126000 |
| <i>ACQ810 Standard pump control program firmware manual</i> | 3AUA0000055144 | 3AUA0000073089 |
| Handbücher und Anleitungen der Optionen | | |
| <i>SynRM control program (option +N7502) for ACS880-01/07, ACS850-04 and ACQ810-04 drives supplement</i> | 3AXD50000026332 | 3AXD50000027370 |
| <i>ACS-AP-x Assistant control panels user's manual</i> | 3AUA0000085685 | |
| <i>DriveSize User Manual</i> | 3AXD0000000073 | |
| <i>Handbücher und Kurzanleitungen für E/A-Erweiterungsmodule, Feldbus-Adapter usw.</i> | | |

Im Internet finden Sie Handbücher und andere Produkt-Dokumentation im PDF-Format. Siehe Abschnitt [Dokumente-Bibliothek im Internet](#) auf der hinteren Einband-Innenseite. Wenn Handbücher nicht in der Dokumente-Bibliothek verfügbar sind, wenden Sie sich bitte an Ihre ABB-Vertretung.



[ACS880-01 Handbücher](#)



[ACS880-07 \(45 bis 630 kW\) Handbücher](#)



[ACS880-07 \(560 bis 2800 kW\) Handbücher](#)



[ACS850-04 Handbücher](#)



[ACQ810 Handbücher](#)

Einleitung

■ Anwendbarkeit / Geltungsbereich

Dieses Handbuch ist gültig für die Frequenzumrichter ACS880-01, ACS880-07, ACS850-04 und ACQ810-04 mit der Option +N7502 (SynRM Motorregelungsprogramm).

■ SynRM Motor-Frequenzumrichter-Pakete

Synchronreluktanzmotoren (SynRM) müssen immer von einem Frequenzumrichter angetrieben werden. Für unterschiedliche Anwendungen hat ABB eine breite Auswahl an Frequenzumrichtern:

- Industrial Drives: ACS880-01 Single Drive-Frequenzumrichter für die Wandmontage und ACS880-07 Single Drive-Frequenzumrichter-Schrankgeräte
- Machinery Drives: ACS850-04 Frequenzumrichtermodule
- Branchen-spezifische Frequenzumrichter: ACQ810-04 Frequenzumrichtermodule für Wasser- und Abwasser-Anwendungen.



■ Inhalt

Diese Ergänzung des Firmware-Handbuchs beschreibt die notwendigen Parametereinstellungen für die einzelnen Frequenzumrichter-Typen bei Betrieb mit dem jeweiligen Synchronreluktanzmotor.

- [Parametereinstellungen](#)
- [Motortypenschild](#)
- [MOTORauswahl tabellen für ACS880-01 Frequenzumrichter](#)
- [MOTORauswahl tabellen für ACS880-07 Frequenzumrichter](#)
- [MOTORauswahl tabellen für ACS850-04 Frequenzumrichter module](#)
- [MOTORauswahl tabellen für ACQ810-04 Frequenzumrichter module](#)

Hinweis: Die vorkonfigurierten Pakete in den Motorauswahl-Tabellen sind für Pumpen- und Lüfteranwendungen ohne Überlastbetrieb bestimmt. Weitere Informationen zu anderen Auswahlkombinationen oder zur Verwendung des Dimensionierungstools DriveSize erhalten Sie von Ihrer ABB-Vertretung.

Parametereinstellungen

in diesem Abschnitt werden die notwendigen Parametereinstellungen der Frequenzumrichter für den Betrieb mit dem jeweiligen Synchronreluktanzmotor angegeben. Angaben zu den weiteren Parametereinstellungen der Frequenzumrichter enthalten die jeweiligen Firmware-Handbücher.



Die Parametereinstellungen werden mit dem Bedienpanel des Frequenzumrichters oder den PC-Tools Drive composer oder DriveStudio vorgenommen.

- Die folgenden Parametereinstellungen gelten für alle Motor-Frequenzumrichter-Kombinationen:

| Parameter-Nr. | Name | Wert | Beschreibung |
|---------------|--------------------|-------|-----------------------------------|
| 99.03 | Motorart | SynRM | Synchronreluktanzmotor. |
| 99.04 | Motor-Regelmodus | DTC | Direkte Drehmomentregelung (DTC). |
| 99.07 | Motor-Nennspannung | 370 V | Nennspannung des Motors. |

- Stellen Sie die anwendungsspezifischen Parameter entsprechend Ihrer Motor-Frequenzumrichter-Kombination ein. Siehe die Auswahltabellen auf den folgenden Seiten.
- Führen Sie einen Motor-ID-Lauf aus, um das beste Regelverhalten zu erreichen:
 - Parameter 99.13 Ausw. Mot.-ID-Laufmodus = Normal oder Stillstand
 - Parameter 21.13 Rotorlageerkennung = Stillstand 1.
 Weitere Informationen enthält das Firmware-Handbuch des Frequenzumrichters.
- Stellen Sie sicher, dass Parameter 21.01 Start-Methode = Automatisch eingestellt ist (Standard).

Motortypenschild

Auf dem Haupt-Typenschild des Motors sind die Leistungsdaten bei Nenndrehzahl angegeben.

| | | | | | | | |
|---------------------------------|----|---------------|-------|-----------------------------|-------|------|--|
| 3~ SYNCHRONOUS RELUCTANCE MOTOR | | | | | | | |
| M3BL 2805MC 4 IMB3/IM1001 | | | | | | | |
| 615745-1 | | 2011 | | No. 3GF11099609 | | | |
| | | Ins. Cl. F | | IP 55 | | | |
| V | Hz | kW | r/min | A | Eff % | Duty | |
| 370 D | 50 | 134 | 1500 | 279 | 95.6% | S1 | |
| Prod. code 3GBL282233-A0B445701 | | | | | | | |
| NETWORK VOLTAGE 400 V | | | | | | | |
| | | | | n _{max} 1800 r/min | | | |
| 6316/C3 | | 6316/C3VL0241 | | 697 kg | | | |
| ABB | | | | IEC 60034-1 | | | |

| | | | | | | | |
|--------------------------------------|-----|------------|-------|-----------------------------|-------|-------------|--|
| ABB | | | | | | CE | |
| 3~ Synchronous Reluctance Motor | | | | | | IEC 60034-1 | |
| | | | | | | Ins. Cl. TP | |
| V | Hz | kW | r/min | A | Eff % | duty | |
| 370 | 100 | 1.5 | 3000 | 3.9 | 84.2 | S9 | |
| 3GAL 092 001-ASB No. | | | | | | | |
| Network supply 400V | | | | | | | |
| | | | | n _{max} 3600 r/min | | | |
| 6205-2Z/C3 | | 6204-2Z/C3 | | 13 kg | | | |
| spare-parts: www.abb.com/partsonline | | | | | | | |

Motorauswahltabellen für ACS880-01 Frequenzumrichter

| IE4 SynRM und ACS880-01 | | | | | | | Par. 99.09 | Par. 99.08 | Par. 99.06 | Par. 99.12 | Par. 99.10 | Freq.umr. Typ |
|-------------------------|-----------|-----|-------|-------------|---------|------|---------------|------------|------------|------------|------------|---------------|
| Leistung (kW) | Motor Typ | | | Produktcode | | | n_N (U/min) | f_N (Hz) | I_N (A) | T_N (Nm) | P (kW) | ACS880-01 |
| 3000 U/min | | | | | | | | | | | | |
| 11 | M3BL | 160 | MLA 4 | 3GBL | 162 101 | -_SC | 3000 | 100 | 25.0 | 35 | 11 | -025A-3 |
| 15 | M3BL | 160 | MLB 4 | 3GBL | 162 102 | -_SC | 3000 | 100 | 34.8 | 48 | 15 | -038A-3 |
| 18.5 | M3BL | 160 | MLC 4 | 3GBL | 162 103 | -_SC | 3000 | 100 | 42.8 | 59 | 18.5 | -045A-3 |
| 22 | M3BL | 180 | MLA 4 | 3GBL | 182 101 | -_SC | 3000 | 100 | 50.0 | 70 | 22 | -061A-3 |
| 30 | M3BL | 200 | MLA 4 | 3GBL | 202 101 | -_SC | 3000 | 100 | 68.8 | 95 | 30 | -072A-3 |
| 37 | M3BL | 200 | MLB 4 | 3GBL | 202 102 | -_SC | 3000 | 100 | 84.6 | 118 | 37 | -087A-3 |
| 45 | M3BL | 225 | SMA 4 | 3GBL | 222 101 | -_SC | 3000 | 100 | 103 | 143 | 45 | -105A-3 |
| 55 | M3BL | 225 | SMF 4 | 3GBL | 222 102 | -_SC | 3000 | 100 | 122 | 175 | 55 | -145A-3 |
| 1500 U/min | | | | | | | | | | | | |
| 11 | M3BL | 160 | MLA 4 | 3GBL | 162 104 | -_SC | 1500 | 50 | 24.9 | 70 | 11 | -025A-3 |
| 15 | M3BL | 160 | MLB 4 | 3GBL | 162 105 | -_SC | 1500 | 50 | 33.7 | 95 | 15 | -038A-3 |
| 18.5 | M3BL | 180 | MLA 4 | 3GBL | 182 102 | -_SC | 1500 | 50 | 42.0 | 118 | 18.5 | -045A-3 |
| 22 | M3BL | 200 | MLF 4 | 3GBL | 202 106 | -_SC | 1500 | 50 | 49.1 | 140 | 22 | -061A-3 |
| 30 | M3BL | 200 | MLA 4 | 3GBL | 202 103 | -_SC | 1500 | 50 | 66.7 | 191 | 30 | -072A-3 |
| 37 | M3BL | 250 | SMF 4 | 3GBL | 252 104 | -_SC | 1500 | 50 | 82.0 | 236 | 37 | -087A-3 |
| 45 | M3BL | 250 | SMG | 3GBL | 252 105 | -_SC | 1500 | 50 | 99.5 | 286 | 45 | -105A-3 |
| 55 | M3BL | 250 | SMA 4 | 3GBL | 252 102 | -_SC | 1500 | 50 | 121 | 350 | 55 | -145A-3 |
| 75 | M3BL | 280 | SMA 4 | 3GBL | 282 213 | -_DC | 1500 | 50 | 173 | 478 | 75 | -206A-3 |
| 90 | M3BL | 280 | SMB 4 | 3GBL | 282 223 | -_DC | 1500 | 50 | 202 | 573 | 90 | -206A-3 |
| 110 | M3BL | 280 | SMC | 3GBL | 282 233 | -_DC | 1500 | 50 | 245 | 699 | 110 | -246A-3 |
| 110 | M3BL | 315 | SMA 4 | 3GBL | 312 213 | -_DC | 1500 | 50 | 244 | 702 | 110 | -246A-3 |
| 132 | M3BL | 315 | SMB 4 | 3GBL | 312 223 | -_DC | 1500 | 50 | 290 | 842 | 132 | -293A-3 |
| 160 | M3BL | 315 | SMC | 3GBL | 312 233 | -_DC | 1500 | 50 | 343 | 1018 | 160 | -363A-3 |
| 200 | M3BL | 315 | MLA 4 | 3GBL | 312 413 | -_DC | 1500 | 50 | 427 | 1272 | 200 | -430A-3 |
| 1000 U/min | | | | | | | | | | | | |
| 7.5 | M3BL | 160 | MLA 4 | 3GBL | 162 106 | -_SC | 1000 | 33 | 17.3 | 72 | 7.5 | -025A-3 |
| 11 | M3BL | 160 | MLB 4 | 3GBL | 162 107 | -_SC | 1000 | 33 | 25.0 | 105 | 11 | -025A-3 |
| 15 | M3BL | 200 | MLF 4 | 3GBL | 202 107 | -_SC | 1000 | 33 | 34.0 | 143 | 15 | -038A-3 |
| 18.5 | M3BL | 200 | MLA 4 | 3GBL | 202 104 | -_SC | 1000 | 33 | 41.8 | 177 | 18.5 | -045A-3 |
| 22 | M3BL | 200 | MLB 4 | 3GBL | 202 105 | -_SC | 1000 | 33 | 49.5 | 210 | 22 | -061A-3 |
| 30 | M3BL | 250 | SMF 4 | 3GBL | 252 106 | -_SC | 1000 | 33 | 67.2 | 286 | 30 | -072A-3 |
| 37 | M3BL | 250 | SMA 4 | 3GBL | 252 103 | -_SC | 1000 | 33 | 82.6 | 353 | 37 | -087A-3 |
| 45 | M3BL | 280 | SMA 4 | 3GBL | 282 212 | -_DC | 1000 | 33 | 103 | 430 | 45 | -105A-3 |
| 55 | M3BL | 280 | SMB 4 | 3GBL | 282 222 | -_DC | 1000 | 33 | 123 | 526 | 55 | -145A-3 |
| 75 | M3BL | 280 | SMC | 3GBL | 282 232 | -_DC | 1000 | 33 | 166 | 715 | 75 | -169A-3 |
| 75 | M3BL | 315 | SMA 4 | 3GBL | 312 212 | -_DC | 1000 | 33 | 166 | 717 | 75 | -169A-3 |
| 90 | M3BL | 315 | SMB 4 | 3GBL | 312 222 | -_DC | 1000 | 33 | 198 | 859 | 90 | -206A-3 |
| 110 | M3BL | 315 | SMC | 3GBL | 312 232 | -_DC | 1000 | 33 | 241 | 1051 | 110 | -246A-3 |
| 132 | M3BL | 315 | MLA 4 | 3GBL | 312 412 | -_DC | 1000 | 33 | 279 | 1261 | 132 | -293A-3 |
| 160 | M3BL | 315 | LKA 4 | 3GBL | 312 812 | -_DC | 1000 | 33 | 340 | 1527 | 160 | -363A-3 |
| 200 | M3BL | 315 | LKC 4 | 3GBL | 312 832 | -_DC | 1000 | 33 | 418 | 1910 | 200 | -430A-3 |

| SynRM mit hoher Leistung und ACS880-01 | | | | | | | Par. 99.09 | Par. 99.08 | Par. 99.06 | Par. 99.12 | Par. 99.10 | Freq.umr. Typ |
|--|-----------|-----|-------|-------------|---------|------|------------------|------------|------------|------------|------------|---------------|
| Leistung (kW) | Motor Typ | | | Produktcode | | | η_N (U/min) | f_N (Hz) | I_N (A) | T_N (Nm) | P (kW) | ACS880-01 |
| 3000 U/min | | | | | | | | | | | | |
| 1.5 | M3AL | 90 | L 4 | 3GAL | 092 001 | -_SB | 3000 | 100 | 3.9 | 4.8 | 1.5 | -04A0-3 |
| 2.2 | M3AL | 90 | LA 4 | 3GAL | 092 002 | -_SB | 3000 | 100 | 5.6 | 7.0 | 2.2 | -07A2-3 |
| 3 | M3AL | 90 | LB 4 | 3GAL | 092 003 | -_SB | 3000 | 100 | 7.5 | 9.6 | 3 | -09A4-3 |
| 4 | M3AL | 90 | LC 4 | 3GAL | 092 004 | -_SB | 3000 | 100 | 9.8 | 12.7 | 4 | -12A6-3 |
| 5.5 | M3AL | 90 | LDA 4 | 3GAL | 092 005 | -_SB | 3000 | 100 | 13.4 | 17.5 | 5.5 | -017A-3 |
| 7.5 | M3AL | 100 | LB 4 | 3GAL | 102 001 | -_SB | 3000 | 100 | 16.9 | 23.9 | 7.5 | -017A-3 |
| 11 | M3AL | 112 | MB 4 | 3GAL | 112 001 | -_SB | 3000 | 100 | 25.0 | 35.0 | 11 | -025A-5 |
| 15 | M3AL | 132 | SMB 4 | 3GAL | 132 001 | -_SB | 3000 | 100 | 33.5 | 47.8 | 15 | -038A-3 |
| 18.5 | M3AL | 132 | SMC 4 | 3GAL | 132 002 | -_SB | 3000 | 100 | 41.1 | 58.9 | 18.5 | -045A-3 |
| 22 | M3AL | 132 | SMD 4 | 3GAL | 132 003 | -_SB | 3000 | 100 | 48.7 | 70.0 | 22 | -061A-3 |
| 30 | M3AL | 132 | SME 4 | 3GAL | 132 004 | -_SB | 3000 | 100 | 68.7 | 95.5 | 30 | -072A-3 |
| 37 | M3AL | 132 | SMF 4 | 3GAL | 132 005 | -_SB | 3000 | 100 | 84.4 | 118 | 37 | -087A-3 |
| 33 | M3BL | 160 | MLB 4 | 3GBL | 162 001 | -_SB | 3000 | 100 | 76.7 | 105 | 33 | -087A-3 |
| 40 | M3BL | 160 | MLC 4 | 3GBL | 162 002 | -_SB | 3000 | 100 | 92.5 | 127 | 40 | -105A-3 |
| 45 | M3BL | 160 | MLE 4 | 3GBL | 162 003 | -_SB | 3000 | 100 | 103 | 143 | 45 | -105A-3 |
| 62 | M3BL | 200 | MLA 4 | 3GBL | 202 001 | -_SB | 3000 | 100 | 144 | 197 | 62 | -145A-3 |
| 72 | M3BL | 200 | MLC 4 | 3GBL | 202 002 | -_SB | 3000 | 100 | 166 | 229 | 72 | -166A-3 |
| 97 | M3BL | 250 | SMA 4 | 3GBL | 252 001 | -_SB | 3000 | 100 | 224 | 309 | 97 | -246A-3 |
| 112 | M3BL | 250 | SMB 4 | 3GBL | 252 007 | -_SB | 3000 | 100 | 259 | 357 | 112 | -293A-3 |
| 125 | M3BL | 250 | SMC 4 | 3GBL | 252 002 | -_SB | 3000 | 100 | 288 | 398 | 125 | -293A-3 |
| 2100 U/min | | | | | | | | | | | | |
| 25 | M3BL | 160 | MLB 4 | 3GBL | 162 007 | -_SB | 2100 | 70 | 58.8 | 114 | 25 | -061A-3 |
| 31 | M3BL | 160 | MLC 4 | 3GBL | 162 008 | -_SB | 2100 | 70 | 72.4 | 141 | 31 | -087A-3 |
| 39 | M3BL | 160 | MLE 4 | 3GBL | 162 009 | -_SB | 2100 | 70 | 90.4 | 177 | 39 | -105A-3 |
| 44 | M3BL | 200 | MLA 4 | 3GBL | 202 005 | -_SB | 2100 | 70 | 102 | 200 | 44 | -105A-3 |
| 62 | M3BL | 200 | MLC 4 | 3GBL | 202 006 | -_SB | 2100 | 70 | 143 | 282 | 62 | -145A-3 |
| 88 | M3BL | 250 | SMA 4 | 3GBL | 252 005 | -_SB | 2100 | 70 | 201 | 400 | 88 | -206A-3 |
| 98 | M3BL | 250 | SMB 4 | 3GBL | 252 008 | -_SB | 2100 | 70 | 224 | 446 | 98 | -246A-3 |
| 115 | M3BL | 250 | SMC 4 | 3GBL | 252 006 | -_SB | 2100 | 70 | 258 | 523 | 115 | -293A-3 |
| 124 | M3BL | 280 | SMA 4 | 3GBL | 282 215 | -_DB | 2100 | 70 | 259 | 564 | 124 | -293A-3 |
| 134 | M3BL | 280 | SMB 4 | 3GBL | 282 225 | -_DB | 2100 | 70 | 279 | 609 | 134 | -293A-3 |
| 160 | M3BL | 280 | SMC 4 | 3GBL | 282 235 | -_DB | 2100 | 70 | 329 | 728 | 160 | -363A-3 |

| SynRM mit hoher Leistung und ACS880-01 | | | | | | | Par. 99.09 | Par. 99.08 | Par. 99.06 | Par. 99.12 | Par. 99.10 | Freq.umr. Typ |
|--|-----------|-----|-------|-------------|---------|------|---------------|------------|------------|------------|------------|---------------|
| Leistung (kW) | Motor Typ | | | Produktcode | | | n_N (U/min) | f_N (Hz) | I_N (A) | T_N (Nm) | P (kW) | ACS880-01 |
| 1500 U/min | | | | | | | | | | | | |
| 1.1 | M3AL | 90 | LA 4 | 3GAL | 092 006 | -_SB | 1500 | 50 | 2.9 | 7.0 | 1.1 | -03A3-3 |
| 1.5 | M3AL | 90 | LB 4 | 3GAL | 092 007 | -_SB | 1500 | 50 | 3.8 | 9.6 | 1.5 | -04A0-3 |
| 2.2 | M3AL | 90 | LDA 4 | 3GAL | 092 008 | -_SB | 1500 | 50 | 5.5 | 14.0 | 2.2 | -07A2-3 |
| 3 | M3AL | 100 | LB 4 | 3GAL | 102 002 | -_SB | 1500 | 50 | 7.1 | 19.1 | 3 | -07A2-3 |
| 4 | M3AL | 100 | LDA 4 | 3GAL | 102 003 | -_SB | 1500 | 50 | 9.4 | 25.5 | 4 | -09A4-3 |
| 5.5 | M3AL | 112 | MB 4 | 3GAL | 112 002 | -_SB | 1500 | 50 | 13.1 | 35.0 | 5.5 | -017A-3 |
| 7.5 | M3AL | 132 | SMB 4 | 3GAL | 132 006 | -_SB | 1500 | 50 | 17.4 | 47.7 | 7.5 | -025A-3 |
| 11 | M3AL | 132 | SMC 4 | 3GAL | 132 007 | -_SB | 1500 | 50 | 25.0 | 70.0 | 11 | -025A-3 |
| 15 | M3AL | 132 | SME 4 | 3GAL | 132 008 | -_SB | 1500 | 50 | 34.5 | 95.5 | 15 | -038A-3 |
| 18.5 | M3AL | 132 | SMF 4 | 3GAL | 132 009 | -_SB | 1500 | 50 | 42.2 | 118 | 18.5 | -045A-3 |
| 17 | M3BL | 160 | MLB 4 | 3GBL | 162 004 | -_SB | 1500 | 50 | 42.6 | 108 | 17 | -045A-3 |
| 20 | M3BL | 160 | MLC 4 | 3GBL | 162 005 | -_SB | 1500 | 50 | 49.2 | 127 | 20 | -061A-3 |
| 25 | M3BL | 160 | MLE 4 | 3GBL | 162 006 | -_SB | 1500 | 50 | 58.5 | 159 | 25 | -061A-3 |
| 33 | M3BL | 200 | MLA 4 | 3GBL | 202 003 | -_SB | 1500 | 50 | 76.9 | 210 | 33 | -087A-3 |
| 40 | M3BL | 200 | MLC 4 | 3GBL | 202 004 | -_SB | 1500 | 50 | 92.9 | 255 | 40 | -105A-3 |
| 71 | M3BL | 250 | SMA 4 | 3GBL | 252 003 | -_SB | 1500 | 50 | 166 | 452 | 71 | -169A-3 |
| 86 | M3BL | 250 | SMB 4 | 3GBL | 252 009 | -_SB | 1500 | 50 | 200 | 547 | 86 | -206A-3 |
| 97 | M3BL | 250 | SMC 4 | 3GBL | 252 004 | -_SB | 1500 | 50 | 225 | 618 | 97 | -246A-3 |
| 103 | M3BL | 280 | SMA 4 | 3GBL | 282 213 | -_DB | 1500 | 50 | 221 | 656 | 103 | -246A-3 |
| 118 | M3BL | 280 | SMB 4 | 3GBL | 282 223 | -_DB | 1500 | 50 | 246 | 758 | 118 | -246A-3 |
| 134 | M3BL | 280 | SMC 4 | 3GBL | 282 233 | -_DB | 1500 | 50 | 279 | 853 | 134 | -293A-3 |
| 155 | M3BL | 315 | SMA 4 | 3GBL | 312 213 | -_DB | 1500 | 50 | 321 | 987 | 155 | -363A-3 |
| 180 | M3BL | 315 | SMB 4 | 3GBL | 312 223 | -_DB | 1500 | 50 | 374 | 1146 | 180 | -430A-3 |
| 205 | M3BL | 315 | SMC 4 | 3GBL | 312 233 | -_DB | 1500 | 50 | 423 | 1305 | 205 | -430A-3 |

3AXD10000419758

Motorauswahltabellen für ACS880-07 Frequenzumrichter

| IE4 SynRM und ACS880-07 | | | | | | | Par. 99.09 | Par. 99.08 | Par. 99.06 | Par. 99.12 | Par. 99.10 | Freq.umr. Typ |
|-------------------------|-----------|-----|-------------|------|---------|------|---------------|------------|------------|------------|------------|---------------|
| Leistung (kW) | Motor Typ | | Produktcode | | | | n_N (U/min) | f_N (Hz) | I_N (A) | T_N (Nm) | P (kW) | ACS880-07 |
| 3000 U/min | | | | | | | | | | | | |
| 45 | M3BL | 225 | SMA 4 | 3GBL | 222 101 | -_SC | 3000 | 100 | 103 | 143 | 45 | -105A-3 |
| 55 | M3BL | 225 | SMF 4 | 3GBL | 222 102 | -_SC | 3000 | 100 | 122 | 175 | 55 | -145A-3 |
| 1500 U/min | | | | | | | | | | | | |
| 45 | M3BL | 250 | SMG 4 | 3GBL | 252 105 | -_SC | 1500 | 50 | 99.5 | 286 | 45 | -105A-3 |
| 55 | M3BL | 250 | SMA 4 | 3GBL | 252 102 | -_SC | 1500 | 50 | 121 | 350 | 55 | -145A-3 |
| 75 | M3BL | 280 | SMA 4 | 3GBL | 282 213 | -_DC | 1500 | 50 | 173 | 478 | 75 | -206A-3 |
| 90 | M3BL | 280 | SMB 4 | 3GBL | 282 223 | -_DC | 1500 | 50 | 202 | 573 | 90 | -206A-3 |
| 110 | M3BL | 280 | SMC 4 | 3GBL | 282 233 | -_DC | 1500 | 50 | 245 | 699 | 110 | -246A-3 |
| 110 | M3BL | 315 | SMA 4 | 3GBL | 312 213 | -_DC | 1500 | 50 | 244 | 702 | 110 | -246A-3 |
| 132 | M3BL | 315 | SMB 4 | 3GBL | 312 223 | -_DC | 1500 | 50 | 290 | 842 | 132 | -293A-3 |
| 160 | M3BL | 315 | SMC 4 | 3GBL | 312 233 | -_DC | 1500 | 50 | 343 | 1018 | 160 | -363A-3 |
| 200 | M3BL | 315 | MLA 4 | 3GBL | 312 413 | -_DC | 1500 | 50 | 427 | 1272 | 200 | -430A-3 |
| 250 | M3BL | 315 | LKA 4 | 3GBL | 312 813 | -_DC | 1500 | 50 | 542 | 1591 | 250 | -585A-3 |
| 315 | M3BL | 315 | LKC 4 | 3GBL | 312 833 | -_DC | 1500 | 50 | 650 | 2006 | 315 | -650A-3 |
| 1000 U/min | | | | | | | | | | | | |
| 45 | M3BL | 280 | SMA 4 | 3GBL | 282 212 | -_DC | 1000 | 33 | 103 | 430 | 45 | -105A-3 |
| 55 | M3BL | 280 | SMB 4 | 3GBL | 282 222 | -_DC | 1000 | 33 | 123 | 526 | 55 | -145A-3 |
| 75 | M3BL | 280 | SMC 4 | 3GBL | 282 232 | -_DC | 1000 | 33 | 166 | 715 | 75 | -169A-3 |
| 75 | M3BL | 315 | SMA 4 | 3GBL | 312 212 | -_DC | 1000 | 33 | 166 | 717 | 75 | -169A-3 |
| 90 | M3BL | 315 | SMB 4 | 3GBL | 312 222 | -_DC | 1000 | 33 | 198 | 859 | 90 | -206A-3 |
| 110 | M3BL | 315 | SMC 4 | 3GBL | 312 232 | -_DC | 1000 | 33 | 241 | 1051 | 110 | -246A-3 |
| 132 | M3BL | 315 | MLA 4 | 3GBL | 312 412 | -_DC | 1000 | 33 | 279 | 1261 | 132 | -293A-3 |
| 160 | M3BL | 315 | LKA 4 | 3GBL | 312 812 | -_DC | 1000 | 33 | 340 | 1527 | 160 | -363A-3 |
| 200 | M3BL | 315 | LKC 4 | 3GBL | 312 832 | -_DC | 1000 | 33 | 418 | 1910 | 200 | -430A-3 |

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| SynRM mit hoher Leistung und ACS880-07 | | | | | | | Par. 99.09 | Par. 99.08 | Par. 99.06 | Par. 99.12 | Par. 99.10 | Freq.umr. Typ |
|---|-----------|-----|-------|-------------|---------|------|---------------|------------|------------|------------|------------|---------------|
| Leistung (kW) | Motor Typ | | | Produktcode | | | n_N (U/min) | f_N (Hz) | I_N (A) | T_N (Nm) | P (kW) | ACS880-07 |
| 3000 U/min | | | | | | | | | | | | |
| 45 | M3BL | 160 | MLE 4 | 3GBL | 162 003 | -_SB | 3000 | 100 | 103 | 143 | 45 | -0105A-3 |
| 62 | M3BL | 200 | MLA 4 | 3GBL | 202 001 | -_SB | 3000 | 100 | 144 | 197 | 62 | -0145A-3 |
| 72 | M3BL | 200 | MLC 4 | 3GBL | 202 002 | -_SB | 3000 | 100 | 166 | 229 | 72 | -0166A-3 |
| 97 | M3BL | 250 | SMA 4 | 3GBL | 252 001 | -_SB | 3000 | 100 | 224 | 309 | 97 | -0246A-3 |
| 112 | M3BL | 250 | SMB 4 | 3GBL | 252 007 | -_SB | 3000 | 100 | 259 | 357 | 112 | -0293A-3 |
| 125 | M3BL | 250 | SMC 4 | 3GBL | 252 002 | -_SB | 3000 | 100 | 288 | 398 | 125 | -0293A-3 |
| 2100 U/min | | | | | | | | | | | | |
| 39 | M3BL | 160 | MLE 4 | 3GBL | 162 009 | -_SB | 2100 | 70 | 90.4 | 177 | 39 | -0105A-3 |
| 44 | M3BL | 200 | MLA 4 | 3GBL | 202 005 | -_SB | 2100 | 70 | 102 | 200 | 44 | -0105A-3 |
| 62 | M3BL | 200 | MLC 4 | 3GBL | 202 006 | -_SB | 2100 | 70 | 143 | 282 | 62 | -0145A-3 |
| 88 | M3BL | 250 | SMA 4 | 3GBL | 252 005 | -_SB | 2100 | 70 | 201 | 400 | 88 | -0206A-3 |
| 98 | M3BL | 250 | SMB 4 | 3GBL | 252 008 | -_SB | 2100 | 70 | 224 | 446 | 98 | -0246A-3 |
| 115 | M3BL | 250 | SMC 4 | 3GBL | 252 006 | -_SB | 2100 | 70 | 258 | 523 | 115 | -0293A-3 |
| 124 | M3BL | 280 | SMA 4 | 3GBL | 282 215 | -_DB | 2100 | 70 | 259 | 564 | 124 | -0293A-3 |
| 134 | M3BL | 280 | SMB 4 | 3GBL | 282 225 | -_DB | 2100 | 70 | 279 | 609 | 134 | -0293A-3 |
| 160 | M3BL | 280 | SMC 4 | 3GBL | 282 235 | -_DB | 2100 | 70 | 329 | 728 | 160 | -0363A-3 |
| 1500 U/min | | | | | | | | | | | | |
| 40 | M3BL | 200 | MLC 4 | 3GBL | 202 004 | -_SB | 1500 | 50 | 92.9 | 255 | 40 | -0105A-3 |
| 71 | M3BL | 250 | SMA 4 | 3GBL | 252 003 | -_SB | 1500 | 50 | 166 | 452 | 71 | -0169A-3 |
| 86 | M3BL | 250 | SMB 4 | 3GBL | 252 009 | -_SB | 1500 | 50 | 200 | 547 | 86 | -0206A-3 |
| 97 | M3BL | 250 | SMC 4 | 3GBL | 252 004 | -_SB | 1500 | 50 | 225 | 618 | 97 | -0246A-3 |
| 103 | M3BL | 280 | SMA 4 | 3GBL | 282 213 | -_DB | 1500 | 50 | 221 | 656 | 103 | -0246A-3 |
| 118 | M3BL | 280 | SMB 4 | 3GBL | 282 223 | -_DB | 1500 | 50 | 246 | 758 | 118 | -0246A-3 |
| 134 | M3BL | 280 | SMC 4 | 3GBL | 282 233 | -_DB | 1500 | 50 | 279 | 853 | 134 | -0293A-3 |
| 155 | M3BL | 315 | SMA 4 | 3GBL | 312 213 | -_DB | 1500 | 50 | 321 | 987 | 155 | -0363A-3 |
| 180 | M3BL | 315 | SMB 4 | 3GBL | 312 223 | -_DB | 1500 | 50 | 374 | 1146 | 180 | -0430A-3 |
| 205 | M3BL | 315 | SMC 4 | 3GBL | 312 233 | -_DB | 1500 | 50 | 423 | 1305 | 205 | -0430A-3 |
| 250 | M3BL | 315 | MLA 4 | 3GBL | 312 413 | -_DB | 1500 | 50 | 516 | 1592 | 250 | -0585A-3 |
| 275 | M3BL | 315 | MLB 4 | 3GBL | 312 423 | -_DB | 1500 | 50 | 573 | 1751 | 275 | -0585A-3 |
| 315 | M3BL | 315 | LKA 4 | 3GBL | 312 813 | -_DB | 1500 | 50 | 659 | 2005 | 315 | -0725A-3 |
| 350 | M3BL | 315 | LKC 4 | 3GBL | 312 833 | -_DB | 1500 | 50 | 712 | 2228 | 350 | -0725A-3 |

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Motorauswahltabellen für ACS850-04 Frequenzumrichtermodule

| IE4 SynRM und ACS850-04 | | | | | | | Par. 99.09 | Par. 99.08 | Par. 99.06 | Par. 99.12 | Par. 99.10 | Freq.umr. Typ |
|-------------------------|--------------|-------------|-------|------|---------|------|------------------|---------------|---------------|---------------|---------------|------------------|
| Leistung (kW) | Motor Typ | Produktcode | | | | | n_N (U/min) | f_N (Hz) | I_N (A) | T_N (Nm) | P (kW) | ACS850-04 |
| 3000 U/min | | | | | | | | | | | | |
| 11 | M3BL | 160 | MLA 4 | 3GBL | 162 101 | -_SC | 3000 | 100 | 25 | 35 | 11 | -025A-5 |
| 15 | M3BL | 160 | MLB 4 | 3GBL | 162 102 | -_SC | 3000 | 100 | 34.8 | 48 | 15 | -035A-5 |
| 18.5 | M3BL | 160 | MLC 4 | 3GBL | 162 103 | -_SC | 3000 | 100 | 42.8 | 59 | 18.5 | -044A-5 |
| 22 | M3BL | 160 | MLA 4 | 3GBL | 182 101 | -_SC | 3000 | 100 | 50.0 | 70 | 22 | -050A-5 |
| 30 | M3BL | 200 | MLA 4 | 3GBL | 202 101 | -_SC | 3000 | 100 | 68.8 | 95 | 30 | -078A-5 |
| 37 | M3BL | 200 | MLB 4 | 3GBL | 202 102 | -_SC | 3000 | 100 | 84.6 | 118 | 37 | -094A-5 |
| 45 | M3BL | 225 | SMA 4 | 3GBL | 222 101 | -_SC | 3000 | 100 | 103 | 143 | 45 | -103A-5 |
| 55 | M3BL | 225 | SMF 4 | 3GBL | 222 102 | -_SC | 3000 | 100 | 122 | 175 | 55 | -144A-5 |
| 1500 U/min | | | | | | | | | | | | |
| 11 | M3BL | 160 | MLA 4 | 3GBL | 162 104 | -_SC | 1500 | 50 | 24.9 | 70 | 11 | -025A-5 |
| 15 | M3BL | 160 | MLB 4 | 3GBL | 162 105 | -_SC | 1500 | 50 | 33.7 | 95 | 15 | -035A-5 |
| 18.5 | M3BL | 180 | MLA 4 | 3GBL | 182 102 | -_SC | 1500 | 50 | 42.0 | 118 | 18.5 | -044A-5 |
| 22 | M3BL | 200 | MLF 4 | 3GBL | 202 106 | -_SC | 1500 | 50 | 49.1 | 140 | 22 | -050A-5 |
| 30 | M3BL | 200 | MLA 4 | 3GBL | 202 103 | -_SC | 1500 | 50 | 66.7 | 191 | 30 | -078A-5 |
| 37 | M3BL | 250 | SMF 4 | 3GBL | 252 104 | -_SC | 1500 | 50 | 82.0 | 236 | 37 | -094A-5 |
| 45 | M3BL | 250 | SMG 4 | 3GBL | 252 105 | -_SC | 1500 | 50 | 99.5 | 286 | 45 | -103A-5 |
| 55 | M3BL | 250 | SMA 4 | 3GBL | 252 102 | -_SC | 1500 | 50 | 121 | 350 | 55 | -144A-5 |
| 75 | M3BL | 280 | SMA 4 | 3GBL | 282 213 | -_DC | 1500 | 50 | 173 | 478 | 75 | -202A-5 |
| 90 | M3BL | 280 | SMB 4 | 3GBL | 282 223 | -_DC | 1500 | 50 | 202 | 573 | 90 | -202A-5 |
| 110 | M3BL | 280 | SMC 4 | 3GBL | 282 233 | -_DC | 1500 | 50 | 245 | 699 | 110 | -260A-5 |
| 110 | M3BL | 315 | SMA 4 | 3GBL | 312 213 | -_DC | 1500 | 50 | 244 | 702 | 110 | -260A-5 |
| 132 | M3BL | 315 | SMB 4 | 3GBL | 312 223 | -_DC | 1500 | 50 | 290 | 842 | 132 | -290A-5 |
| 160 | M3BL | 315 | SMC 4 | 3GBL | 312 233 | -_DC | 1500 | 50 | 343 | 1018 | 160 | -387A-5 |
| 200 | M3BL | 315 | MLA 4 | 3GBL | 312 413 | -_DC | 1500 | 50 | 427 | 1272 | 200 | -500A-5 |
| 250 | M3BL | 315 | LKA 4 | 3GBL | 312 813 | -_DC | 1500 | 50 | 542 | 1591 | 250 | -580A-5 |
| 315 | M3BL | 315 | LKC 4 | 3GBL | 312 833 | -_DC | 1500 | 50 | 650 | 2006 | 315 | -650A-5 |

| IE4 SynRM und ACS850-04 | | | | | | | Par. 99.09 | Par. 99.08 | Par. 99.06 | Par. 99.12 | Par. 99.10 | Freq.umr. Typ |
|-------------------------|-----------|-----|-------|-------------|---------|------|---------------|------------|------------|------------|------------|---------------|
| Leistung (kW) | Motor Typ | | | Produktcode | | | n_N (U/min) | f_N (Hz) | I_N (A) | T_N (Nm) | P (kW) | ACS850-04 |
| 1000 U/min | | | | | | | | | | | | |
| 7.5 | M3BL | 160 | MLA 4 | 3GBL | 162 106 | -_SC | 1000 | 33 | 17.3 | 72 | 7.5 | -018A-5 |
| 11 | M3BL | 160 | MLB 4 | 3GBL | 162 107 | -_SC | 1000 | 33 | 25.0 | 105 | 11 | -025A-5 |
| 15 | M3BL | 200 | MLF 4 | 3GBL | 202 107 | -_SC | 1000 | 33 | 34.0 | 143 | 15 | -035A-5 |
| 18.5 | M3BL | 200 | MLA 4 | 3GBL | 202 104 | -_SC | 1000 | 33 | 41.8 | 177 | 18.5 | -044A-5 |
| 22 | M3BL | 200 | MLB 4 | 3GBL | 202 105 | -_SC | 1000 | 33 | 49.5 | 210 | 22 | -050A-5 |
| 30 | M3BL | 250 | SMF 4 | 3GBL | 252 106 | -_SC | 1000 | 33 | 67.2 | 286 | 30 | -078A-5 |
| 37 | M3BL | 250 | SMA 4 | 3GBL | 252 103 | -_SC | 1000 | 33 | 82.6 | 353 | 37 | -094A-5 |
| 45 | M3BL | 280 | SMA 4 | 3GBL | 282 212 | -_DC | 1000 | 33 | 103 | 430 | 45 | -103A-5 |
| 55 | M3BL | 280 | SMB 4 | 3GBL | 282 222 | -_DC | 1000 | 33 | 123 | 526 | 55 | -144A-5 |
| 75 | M3BL | 280 | SMC 4 | 3GBL | 282 232 | -_DC | 1000 | 33 | 166 | 715 | 75 | -166A-5 |
| 75 | M3BL | 315 | SMA 4 | 3GBL | 312 212 | -_DC | 1000 | 33 | 166 | 717 | 75 | -166A-5 |
| 90 | M3BL | 315 | SMB 4 | 3GBL | 312 222 | -_DC | 1000 | 33 | 198 | 859 | 90 | -202A-5 |
| 110 | M3BL | 315 | SMC 4 | 3GBL | 312 232 | -_DC | 1000 | 33 | 241 | 1051 | 110 | -260A-5 |
| 132 | M3BL | 315 | MLA 4 | 3GBL | 312 412 | -_DC | 1000 | 33 | 279 | 1261 | 132 | -290A-5 |
| 160 | M3BL | 315 | LKA 4 | 3GBL | 312 812 | -_DC | 1000 | 33 | 340 | 1527 | 160 | -387A-5 |
| 200 | M3BL | 315 | LKC 4 | 3GBL | 312 832 | -_DC | 1000 | 33 | 418 | 1910 | 200 | -500A-5 |

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| SynRM mit hoher Leistung und ACS850-04 | | | | | | | Par. 99.09 | Par. 99.08 | Par. 99.06 | Par. 99.12 | Par. 99.10 | Freq.umr. Typ |
|--|-----------|-----|-------|-------------|---------|------|---------------|------------|------------|------------|------------|---------------|
| Leistung (kW) | Motor Typ | | | Produktcode | | | n_N (U/min) | f_N (Hz) | I_N (A) | T_N (Nm) | P (kW) | ACS850-04 |
| 3000 U/min | | | | | | | | | | | | |
| 1.5 | M3AL | 90 | L 4 | 3GAL | 092 001 | -_SB | 3000 | 100 | 3.9 | 4.8 | 1.5 | -04A8-5 |
| 2.2 | M3AL | 90 | LA 4 | 3GAL | 092 002 | -_SB | 3000 | 100 | 5.6 | 7.0 | 2.2 | -06A0-5 |
| 3 | M3AL | 90 | LB 4 | 3GAL | 092 003 | -_SB | 3000 | 100 | 7.5 | 9.6 | 3 | -08A0-5 |
| 4 | M3AL | 90 | LC 4 | 3GAL | 092 004 | -_SB | 3000 | 100 | 9.8 | 12.7 | 4 | -010A-5 |
| 5.5 | M3AL | 90 | LDA 4 | 3GAL | 092 005 | -_SB | 3000 | 100 | 13.4 | 17.5 | 5.5 | -014A-5 |
| 7.5 | M3AL | 100 | LB 4 | 3GAL | 102 001 | -_SB | 3000 | 100 | 16.9 | 23.9 | 7.5 | -018A-5 |
| 11 | M3AL | 112 | MB 4 | 3GAL | 112 001 | -_SB | 3000 | 100 | 25.0 | 35.0 | 11 | -025A-5 |
| 15 | M3AL | 132 | SMB 4 | 3GAL | 132 001 | -_SB | 3000 | 100 | 33.5 | 47.8 | 15 | -035A-5 |
| 18.5 | M3AL | 132 | SMC 4 | 3GAL | 132 002 | -_SB | 3000 | 100 | 41.1 | 58.9 | 18.5 | -044A-5 |
| 22 | M3AL | 132 | SMD 4 | 3GAL | 132 003 | -_SB | 3000 | 100 | 48.7 | 70.0 | 22 | -050A-5 |
| 30 | M3AL | 132 | SME 4 | 3GAL | 132 004 | -_SB | 3000 | 100 | 68.7 | 95.5 | 30 | -078A-5 |
| 37 | M3AL | 132 | SMF 4 | 3GAL | 132 005 | -_SB | 3000 | 100 | 84.4 | 118 | 37 | -094A-5 |
| 33 | M3BL | 160 | MLB 4 | 3GBL | 162 001 | -_SB | 3000 | 100 | 76.7 | 105 | 33 | -078A-5 |
| 40 | M3BL | 160 | MLC 4 | 3GBL | 162 002 | -_SB | 3000 | 100 | 92.5 | 127 | 40 | -094A-5 |
| 45 | M3BL | 160 | MLE 4 | 3GBL | 162 003 | -_SB | 3000 | 100 | 103 | 143 | 45 | -103A-5 |
| 62 | M3BL | 200 | MLA 4 | 3GBL | 202 001 | -_SB | 3000 | 100 | 144 | 197 | 62 | -144A-5 |
| 72 | M3BL | 200 | MLC 4 | 3GBL | 202 002 | -_SB | 3000 | 100 | 166 | 229 | 72 | -166A-5 |
| 97 | M3BL | 250 | SMA 4 | 3GBL | 252 001 | -_SB | 3000 | 100 | 224 | 309 | 97 | -225A-5 |
| 112 | M3BL | 250 | SMB 4 | 3GBL | 252 007 | -_SB | 3000 | 100 | 259 | 357 | 112 | -260A-5 |
| 125 | M3BL | 250 | SMC 4 | 3GBL | 252 002 | -_SB | 3000 | 100 | 288 | 398 | 125 | -290A-5 |

| SynRM mit hoher Leistung und ACS850-04 | | | | | | | Par. 99.09 | Par. 99.08 | Par. 99.06 | Par. 99.12 | Par. 99.10 | Freq. umr. Typ |
|--|-----------|-----|-------|-------------|---------|------|---------------|------------|------------|------------|------------|----------------|
| Leistung (kW) | Motor Typ | | | Produktcode | | | n_N (U/min) | f_N (Hz) | I_N (A) | T_N (Nm) | P (kW) | ACS850-04 |
| 2100 U/min | | | | | | | | | | | | |
| 25 | M3BL | 160 | MLB 4 | 3GBL | 162 007 | -_SB | 2100 | 70 | 58.8 | 114 | 25 | -061A-5 |
| 31 | M3BL | 160 | MLC 4 | 3GBL | 162 008 | -_SB | 2100 | 70 | 72.4 | 141 | 31 | -078A-5 |
| 39 | M3BL | 160 | MLE 4 | 3GBL | 162 009 | -_SB | 2100 | 70 | 90.4 | 177 | 39 | -094A-5 |
| 44 | M3BL | 200 | MLA 4 | 3GBL | 202 005 | -_SB | 2100 | 70 | 102 | 200 | 44 | -103A-5 |
| 62 | M3BL | 200 | MLC 4 | 3GBL | 202 006 | -_SB | 2100 | 70 | 143 | 282 | 62 | -144A-5 |
| 88 | M3BL | 250 | SMA 4 | 3GBL | 252 005 | -_SB | 2100 | 70 | 201 | 400 | 88 | -202A-5 |
| 98 | M3BL | 250 | SMB 4 | 3GBL | 252 008 | -_SB | 2100 | 70 | 224 | 446 | 98 | -225A-5 |
| 115 | M3BL | 250 | SMC 4 | 3GBL | 252 006 | -_SB | 2100 | 70 | 258 | 523 | 115 | -260A-5 |
| 124 | M3BL | 280 | SMA 4 | 3GBL | 282 215 | -_DB | 2100 | 70 | 259 | 564 | 124 | -260A-5 |
| 134 | M3BL | 280 | SMB 4 | 3GBL | 282 225 | -_DB | 2100 | 70 | 279 | 609 | 134 | -290A-5 |
| 160 | M3BL | 280 | SMC 4 | 3GBL | 282 235 | -_DB | 2100 | 70 | 329 | 728 | 160 | -387A-5 |
| 1500 U/min | | | | | | | | | | | | |
| 1.1 | M3AL | 90 | LA 4 | 3GAL | 092 006 | -_SB | 1500 | 50 | 2.9 | 7.0 | 1.1 | -03A0-5 |
| 1.5 | M3AL | 90 | LB 4 | 3GAL | 092 007 | -_SB | 1500 | 50 | 3.8 | 9.6 | 1.5 | -04A8-5 |
| 2.2 | M3AL | 90 | LDA 4 | 3GAL | 092 008 | -_SB | 1500 | 50 | 5.5 | 14.0 | 2.2 | -06A0-5 |
| 3 | M3AL | 100 | LB 4 | 3GAL | 102 002 | -_SB | 1500 | 50 | 7.1 | 19.1 | 3 | -08A0-5 |
| 4 | M3AL | 100 | LDA 4 | 3GAL | 102 003 | -_SB | 1500 | 50 | 9.4 | 25.5 | 4 | -010A-5 |
| 5.5 | M3AL | 112 | MB 4 | 3GAL | 112 002 | -_SB | 1500 | 50 | 13.1 | 35.0 | 5.5 | -014A-5 |
| 7.5 | M3AL | 132 | SMB 4 | 3GAL | 132 006 | -_SB | 1500 | 50 | 17.4 | 47.7 | 7.5 | -018A-5 |
| 11 | M3AL | 132 | SMC 4 | 3GAL | 132 007 | -_SB | 1500 | 50 | 25.0 | 70.0 | 11 | -025A-5 |
| 15 | M3AL | 132 | SME 4 | 3GAL | 132 008 | -_SB | 1500 | 50 | 34.5 | 95.5 | 15 | -035A-5 |
| 18.5 | M3AL | 132 | SMF 4 | 3GAL | 132 009 | -_SB | 1500 | 50 | 42.2 | 118 | 18.5 | -044A-5 |
| 17 | M3BL | 160 | MLB 4 | 3GBL | 162 004 | -_SB | 1500 | 50 | 42.6 | 108 | 17 | -044A-5 |
| 20 | M3BL | 160 | MLC 4 | 3GBL | 162 005 | -_SB | 1500 | 50 | 49.2 | 127 | 20 | -050A-5 |
| 25 | M3BL | 160 | MLE 4 | 3GBL | 162 006 | -_SB | 1500 | 50 | 58.5 | 159 | 25 | -061A-5 |
| 33 | M3BL | 200 | MLA 4 | 3GBL | 202 003 | -_SB | 1500 | 50 | 76.9 | 210 | 33 | -078A-5 |
| 40 | M3BL | 200 | MLC 4 | 3GBL | 202 004 | -_SB | 1500 | 50 | 92.9 | 255 | 40 | -094A-5 |
| 71 | M3BL | 250 | SMA 4 | 3GBL | 252 003 | -_SB | 1500 | 50 | 166 | 452 | 71 | -166A-5 |
| 86 | M3BL | 250 | SMB 4 | 3GBL | 252 009 | -_SB | 1500 | 50 | 200 | 547 | 86 | -202A-5 |
| 97 | M3BL | 250 | SMC 4 | 3GBL | 252 004 | -_SB | 1500 | 50 | 225 | 618 | 97 | -225A-5 |
| 103 | M3BL | 280 | SMA 4 | 3GBL | 282 213 | -_DB | 1500 | 50 | 221 | 656 | 103 | -225A-5 |
| 118 | M3BL | 280 | SMB 4 | 3GBL | 282 223 | -_DB | 1500 | 50 | 246 | 758 | 118 | -260A-5 |
| 134 | M3BL | 280 | SMC 4 | 3GBL | 282 233 | -_DB | 1500 | 50 | 279 | 853 | 134 | -290A-5 |
| 155 | M3BL | 315 | SMA 4 | 3GBL | 312 213 | -_DB | 1500 | 50 | 321 | 987 | 155 | -387A-5 |
| 180 | M3BL | 315 | SMB 4 | 3GBL | 312 223 | -_DB | 1500 | 50 | 374 | 1146 | 180 | -387A-5 |
| 205 | M3BL | 315 | SMC 4 | 3GBL | 312 233 | -_DB | 1500 | 50 | 423 | 1305 | 205 | -500A-5 |
| 250 | M3BL | 315 | MLA 4 | 3GBL | 312 413 | -_DB | 1500 | 50 | 516 | 1592 | 250 | -580A-5 |
| 275 | M3BL | 315 | MLB 4 | 3GBL | 312 423 | -_DB | 1500 | 50 | 573 | 1751 | 275 | -580A-5 |
| 315 | M3BL | 315 | LKA 4 | 3GBL | 312 813 | -_DB | 1500 | 50 | 659 | 2005 | 315 | -710A-5 |
| 350 | M3BL | 315 | LKC 4 | 3GBL | 312 833 | -_DB | 1500 | 50 | 712 | 2228 | 350 | -710A-5 |

Motorauswahltabellen für ACQ810-04 Frequenzumrichtermodule

| IE4 SynRM und ACQ810-04 | | | | | | | Par. 99.09 | Par. 99.08 | Par. 99.06 | Par. 99.12 | Par. 99.10 | Freq.umr. Typ |
|-------------------------|--------------|-------------|-------|------|---------|------|------------------|---------------|---------------|---------------|---------------|------------------|
| Leistung (kW) | Motor Typ | Produktcode | | | | | n_N (U/min) | f_N (Hz) | I_N (A) | T_N (Nm) | P (kW) | ACQ810-04 |
| 3000 U/min | | | | | | | | | | | | |
| 11 | M3BL | 160 | MLA 4 | 3GBL | 162 101 | -_SC | 3000 | 100 | 25.0 | 35 | 11 | -021A-4 |
| 15 | M3BL | 160 | MLB 4 | 3GBL | 162 102 | -_SC | 3000 | 100 | 34.8 | 48 | 15 | -035A-4 |
| 18.5 | M3BL | 160 | MLC 4 | 3GBL | 162 103 | -_SC | 3000 | 100 | 42.8 | 59 | 18.5 | -035A-4 |
| 22 | M3BL | 180 | MLA 4 | 3GBL | 182 101 | -_SC | 3000 | 100 | 50.0 | 70 | 22 | -040A-4 |
| 30 | M3BL | 200 | MLA 4 | 3GBL | 202 101 | -_SC | 3000 | 100 | 68.8 | 95 | 30 | -067A-4 |
| 37 | M3BL | 200 | MLB 4 | 3GBL | 202 102 | -_SC | 3000 | 100 | 84.6 | 118 | 37 | -080A-4 |
| 45 | M3BL | 225 | SMA 4 | 3GBL | 222 101 | -_SC | 3000 | 100 | 103 | 143 | 45 | -098A-4 |
| 55 | M3BL | 225 | SMF 4 | 3GBL | 222 102 | -_SC | 3000 | 100 | 122 | 175 | 55 | -138A-4 |
| 1500 U/min | | | | | | | | | | | | |
| 11 | M3BL | 160 | MLA 4 | 3GBL | 162 104 | -_SC | 1500 | 50 | 24.9 | 70 | 11 | -021A-4 |
| 15 | M3BL | 160 | MLB 4 | 3GBL | 162 105 | -_SC | 1500 | 50 | 33.7 | 95 | 15 | -035A-4 |
| 18.5 | M3BL | 180 | MLA 4 | 3GBL | 182 102 | -_SC | 1500 | 50 | 42.0 | 118 | 18.5 | -035A-4 |
| 22 | M3BL | 200 | MLF 4 | 3GBL | 202 106 | -_SC | 1500 | 50 | 49.1 | 140 | 22 | -040A-4 |
| 30 | M3BL | 200 | MLA 4 | 3GBL | 202 103 | -_SC | 1500 | 50 | 66.7 | 191 | 30 | -067A-4 |
| 37 | M3BL | 250 | SMF 4 | 3GBL | 252 104 | -_SC | 1500 | 50 | 82.0 | 236 | 37 | -080A-4 |
| 45 | M3BL | 250 | SMG 4 | 3GBL | 252 105 | -_SC | 1500 | 50 | 99.5 | 286 | 45 | -098A-4 |
| 55 | M3BL | 250 | SMA 4 | 3GBL | 252 102 | -_SC | 1500 | 50 | 121 | 350 | 55 | -138A-4 |
| 75 | M3BL | 280 | SMA 4 | 3GBL | 282 213 | -_DC | 1500 | 50 | 173 | 478 | 75 | -162A-4 |
| 90 | M3BL | 280 | SMB 4 | 3GBL | 282 223 | -_DC | 1500 | 50 | 202 | 573 | 90 | -162A-4 |
| 110 | M3BL | 280 | SMC 4 | 3GBL | 282 233 | -_DC | 1500 | 50 | 245 | 699 | 110 | -240A-4 |
| 110 | M3BL | 315 | SMA 4 | 3GBL | 312 213 | -_DC | 1500 | 50 | 244 | 702 | 110 | -240A-4 |
| 132 | M3BL | 315 | SMB 4 | 3GBL | 312 223 | -_DC | 1500 | 50 | 290 | 842 | 132 | -286A-4 |
| 160 | M3BL | 315 | SMC 4 | 3GBL | 312 233 | -_DC | 1500 | 50 | 343 | 1018 | 160 | -377A-4 |
| 200 | M3BL | 315 | MLA 4 | 3GBL | 312 413 | -_DC | 1500 | 50 | 427 | 1272 | 200 | -480A-4 |
| 250 | M3BL | 315 | LKA 4 | 3GBL | 312 813 | -_DC | 1500 | 50 | 542 | 1591 | 250 | -570A-4 |
| 315 | M3BL | 315 | LKC 4 | 3GBL | 312 833 | -_DC | 1500 | 50 | 650 | 2006 | 315 | -634A-4 |

| IE4 SynRM und ACQ810-04 | | | | | | | Par. 99.09 | Par. 99.08 | Par. 99.06 | Par. 99.12 | Par. 99.10 | Freq.umr. Typ |
|-------------------------|--------------|-----|-------------|------|---------|------|------------------|---------------|---------------|---------------|---------------|------------------|
| Leistung (kW) | Motor Typ | | Produktcode | | | | n_N (U/min) | f_N (Hz) | I_N (A) | T_N (Nm) | P (kW) | ACQ810-04 |
| 1000 U/min | | | | | | | | | | | | |
| 7.5 | M3BL | 160 | MLA 4 | 3GBL | 162 106 | -_SC | 1000 | 33 | 17.3 | 72 | 7.5 | -14A4-4 |
| 11 | M3BL | 160 | MLB 4 | 3GBL | 162 107 | -_SC | 1000 | 33 | 25.0 | 105 | 11 | -021A-4 |
| 15 | M3BL | 200 | MLF 4 | 3GBL | 202 107 | -_SC | 1000 | 33 | 34.0 | 143 | 15 | -035A-4 |
| 18.5 | M3BL | 200 | MLA 4 | 3GBL | 202 104 | -_SC | 1000 | 33 | 41.8 | 177 | 18.5 | -035A-4 |
| 22 | M3BL | 200 | MLB 4 | 3GBL | 202 105 | -_SC | 1000 | 33 | 49.5 | 210 | 22 | -040A-4 |
| 30 | M3BL | 250 | SMF 4 | 3GBL | 252 106 | -_SC | 1000 | 33 | 67.2 | 286 | 30 | -067A-4 |
| 37 | M3BL | 250 | SMA 4 | 3GBL | 252 103 | -_SC | 1000 | 33 | 82.6 | 353 | 37 | -080A-4 |
| 45 | M3BL | 280 | SMA 4 | 3GBL | 282 212 | -_DC | 1000 | 33 | 103 | 430 | 45 | -098A-4 |
| 55 | M3BL | 280 | SMB 4 | 3GBL | 282 222 | -_DC | 1000 | 33 | 123 | 526 | 55 | -138A-4 |
| 75 | M3BL | 280 | SMC 4 | 3GBL | 282 232 | -_DC | 1000 | 33 | 166 | 715 | 75 | -162A-4 |
| 75 | M3BL | 315 | SMA 4 | 3GBL | 312 212 | -_DC | 1000 | 33 | 166 | 717 | 75 | -162A-4 |
| 90 | M3BL | 315 | SMB 4 | 3GBL | 312 222 | -_DC | 1000 | 33 | 198 | 859 | 90 | -162A-4 |
| 110 | M3BL | 315 | SMC 4 | 3GBL | 312 232 | -_DC | 1000 | 33 | 241 | 1051 | 110 | -240A-4 |
| 132 | M3BL | 315 | MLA 4 | 3GBL | 312 412 | -_DC | 1000 | 33 | 279 | 1261 | 132 | -286A-4 |
| 160 | M3BL | 315 | LKA 4 | 3GBL | 312 812 | -_DC | 1000 | 33 | 340 | 1527 | 160 | -377A-4 |
| 200 | M3BL | 315 | LKC 4 | 3GBL | 312 832 | -_DC | 1000 | 33 | 418 | 1910 | 200 | -480A-4 |

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Ergänzende Informationen

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