Specifications





# servo motor BMI 3-phase - keyed IP65 multiturn - 32768 p/t x 4096 t - brake

BMI1002P37F

Product availability: Non-Stock - Not normally stocked in distribution facility

### Price\*: 3,434.46 USD

### Main

Range Compatibility     Lexium 32i       Product Or Component Type     Servo motor with power stage       Device Short Name     BMI       Complementary     Maximum Mechanical Speed     6000 rpm       [Ua] Rated Supply Voltage     208460 V - 1510 %       Supply Voltage Limits     208460 V       Phase     Three phase       Supply Frequency     50/60 Hz - 55 %       Network Frequency Limits     47.563 Hz       Emc Filter     Integrated       Continuous Output Current     4.A 8 kHz       Output Current 3S Peak     12.A 400 V 3 s       Continuous Stall Current     4.A       Continuous Stall Torque     12.3.91 lbf.in (6 N.m) 208480 V three phase       12.3.91 lbf.in (14 N.m) 400 V three phase     123.91 lbf.in (14 N.m) 400 V three phase       12.3.91 lbf.in (14 N.m) 400 V three phase     1200 W 400 V three phase       13.91 lbf.in (5 N.m) 400 V three phase     1300 W 400 V three phase       13.91 lbf.in (14 N.m) 208 V three phase     1300 W 400 V three phase       13.91 lbf.in (14 N.m) 208 V three phase     1300 W 400 V three phase       13.91 lbf.in (5 N.m) 400 V three phase     1300 W 400 V three phase       13.91 lbf.in (5 N.m) 208 V three phase     1300 W 400 V three phase       13.91 lbf.in (5 N.m) 208 V three phase     1300 V med 208 V three phase       1900 vm 400 V three phase     17.5 A 2		
Device Short Name     BMI       Complementary       Maximum Mechanical Speed     6000 rpm       [Us] Rated Supply Voltage     208480 V - 1510 %       Supply Voltage Limits     208480 V       Phase     Three phase       Supply Frequency     50/60 Hz - 55 %       Network Frequency Limits     47.563 Hz       Eme Filter     Integrated       Continuous Output Current     4 A 8 Hz       Output Current 3S Peak     12 A 400 V 3 s       Continuous Stall Current     4 A       Continuous Stall Torque     53.10 Ibf.in (6 N.m) 208480 V three phase       Peak Stall Torque     123.91 Ibf.in (14 N.m) 208 V three phase       123.91 Ibf.in (14 N.m) 400 V three phase     123.91 Ibf.in (14 N.m) 400 V three phase       133.91 Ibf.in (14 N.m) 400 V three phase     1300 W 400 V three phase       1300 W 400 V three phase     1900 W 400 V three phase       1300 W 400 V three phase     36.29 Ibf.in (4.1 N.m) 400 V three phase       Nominal Torque     45.14 Ibf.in (5.1 N.m) 400 V three phase       Nominal Speed     1900 prm 208 V three phase       17.5 A 208 V, three phase     17.5 A 480 V, three phase       17.5 A 480 V, three phase     17.5 A 480 V, three phase       17.5 A 480 V, three phase     17.5 A 480 V, three phase       17.5 A 480 V, three phase     17.5 A 480 V, three phase	Range Compatibility	Lexium 32i
Maximum Mechanical Speed       6000 rpm         [Us] Rated Supply Voltage       208480 V - 1510 %         Supply Voltage Limits       208480 V         Phase       Three phase         Supply Frequency       50/60 Hz - 55 %         Network Frequency Limits       47.563 Hz         Emc Filter       Integrated         Continuous Output Current       4 A 8 kHz         Output Current 3S Peak       12 A 400 V 3 s         Continuous Stall Current       4 A         Continuous Stall Torque       53.10 lbf.in (6 N.m) 208480 V three phase         Peak Stall Torque       123.91 lbf.in (14 N.m) 480 V three phase         123.91 lbf.in (14 N.m) 400 V three phase       123.91 lbf.in (14 N.m) 480 V three phase         1300 W 208 V three phase       1900 W 400 V three phase         1300 W 208 V three phase       1900 W 400 V three phase         1300 W 208 V three phase       36.29 lbf.in (4.1 N.m) 400 V three phase         1300 W 480 V three phase       36.29 lbf.in (4.1 N.m) 480 V three phase         1300 minal Speed       1900 rpm 208 V three phase         17.5 A 400 V, three phase       17.5 A 400 V, three phase         17.5 A 400 V, three phase       17.5 A 400 V, three phase         17.5 A 400 V, three phase       17.5 A 400 V, three phase         17.5 A 40	Product Or Component Type	Servo motor with power stage
Maximum Mechanical Speed       6000 rpm         [Us] Rated Supply Voltage       208480 V - 1510 %         Supply Voltage Limits       208480 V         Phase       Three phase         Supply Frequency       50/60 Hz - 55 %         Network Frequency Limits       47.563 Hz         Emc Filter       Integrated         Continuous Output Current       4 A 8 kHz         Output Current 3S Peak       12 A 400 V 3 s         Continuous Stall Current       4 A         Continuous Stall Torque       53.10 lbf.in (6 N.m) 208480 V three phase         123.91 lbf.in (14 N.m) 400 V three phase       123.91 lbf.in (14 N.m) 400 V three phase         123.91 lbf.in (14 N.m) 400 V three phase       13.91 lbf.in (14 N.m) 400 V three phase         1900 W 480 V three phase       1900 W 480 V three phase         1900 W 480 V three phase       36.29 lbf.in (4.1 N.m) 480 V three phase         1900 W 480 V three phase       36.29 lbf.in (4.1 N.m) 480 V three phase         1900 rpm 208 V three phase       3800 rpm 400 V three phase         1900 rpm 208 V three phase       36.29 lbf.in (4.1 N.m) 480 V three phase         1900 rpm 208 V three phase       37.79 lbf.in (5.4 N.m) 208 V three phase         1900 rpm 208 V three phase       37.5 A 400 V, three phase         17.5 A 208 V, three phase       17	Device Short Name	BMI
[Us] Rated Supply Voltage       208480 V - 1510 %         Supply Voltage Limits       208480 V         Phase       Three phase         Supply Frequency       50/60 Hz - 55 %         Network Frequency Limits       47.563 Hz         Emc Filter       Integrated         Continuous Output Current       4 A 8 kHz         Output Current 3S Peak       12 A 400 V 3 s         Continuous Stall Current       4 A         Continuous Stall Current       4 A         Continuous Stall Torque       53.10 Ibf.in (6 N.m) 208480 V three phase         123.91 Ibf.in (14 N.m) 400 V three phase       123.91 Ibf.in (14 N.m) 400 V three phase         123.91 Ibf.in (14 N.m) 400 V three phase       123.91 Ibf.in (14 N.m) 400 V three phase         123.91 Ibf.in (14 N.m) 400 V three phase       123.91 Ibf.in (14 N.m) 400 V three phase         1900 W 400 V three phase       1900 W 400 V three phase         1900 W 400 V three phase       36.29 Ibf.in (4.1 N.m) 400 V three phase         1900 rpm 208 V three phase       360.29 Ibf.in (4.1 N.m) 400 V three phase         17.5 A 208 V, three phase       17.5 A 400 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 4	Complementary	
Supply Voltage Limits       208480 V         Phase       Three phase         Supply Frequency       50/60 Hz - 55 %         Network Frequency Limits       47.563 Hz         Emc Filter       Integrated         Continuous Output Current       4 A 8 kHz         Output Current 3S Peak       12 A 400 V 3 s         Continuous Stall Current       4 A         Continuous Stall Current       4 A         Continuous Stall Torque       53.10 lbf.in (14 N.m) 208480 V three phase         Peak Stall Torque       123.91 lbf in (14 N.m) 400 V three phase         123.91 lbf in (14 N.m) 400 V three phase       123.91 lbf.in (14 N.m) 480 V three phase         1900 W 400 V three phase       1900 W 400 V three phase         1900 W 400 V three phase       1900 W 400 V three phase         1900 W 400 V three phase       36.29 lbf.in (4.1 N.m) 400 V three phase         1900 W 480 V three phase       36.29 lbf.in (4.1 N.m) 480 V three phase         1900 W 480 V three phase       36.29 lbf.in (4.1 N.m) 480 V three phase         1900 rpm 208 V three phase       36.29 lbf.in (4.1 N.m) 480 V three phase         1900 rpm 208 V three phase       36.29 lbf.in (4.1 N.m) 480 V three phase         Nominal Speed       1900 rpm 208 V three phase         17.5 A 208 V, three phase       17.5 A 400 V, three phase <td>Maximum Mechanical Speed</td> <td>6000 rpm</td>	Maximum Mechanical Speed	6000 rpm
Phase       Three phase         Supply Frequency       50/60 Hz - 55 %         Network Frequency Limits       47.563 Hz         Emc Filter       Integrated         Continuous Output Current       4 A 8 kHz         Output Current 3S Peak       12 A 400 V 3 s         Continuous Stall Current       4 A         Continuous Stall Current       4 A         Continuous Stall Torque       53.10 lbf.in (6 N.m) 208480 V three phase         123.91 lbf.in (14 N.m) 208 V three phase       123.91 lbf.in (14 N.m) 208 V three phase         123.91 lbf.in (14 N.m) 480 V three phase       123.91 lbf.in (14 N.m) 480 V three phase         123.91 lbf.in (14 N.m) 480 V three phase       123.91 lbf.in (14 N.m) 480 V three phase         13.91 lbf.in (14 N.m) 480 V three phase       123.91 lbf.in (14 N.m) 480 V three phase         13.91 lbf.in (5.1 N.m) 400 V three phase       123.91 lbf.in (5.1 N.m) 400 V three phase         1900 W 480 V three phase       36.29 lbf.in (4.1 N.m) 480 V three phase         1900 rpm 208 V three phase       36.29 lbf.in (4.1 N.m) 480 V three phase         1900 rpm 208 V three phase       17.5 A 208 V, three phase         17.5 A 400 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase </td <td>[Us] Rated Supply Voltage</td> <td>208480 V - 1510 %</td>	[Us] Rated Supply Voltage	208480 V - 1510 %
Supply Frequency       50/60 Hz - 55 %         Network Frequency Limits       47.563 Hz         Erno Filter       Integrated         Continuous Output Current       4 A 8 kHz         Output Current 3S Peak       12 A 400 V 3 s         Continuous Stall Current       4 A         Continuous Stall Current       4 A         Continuous Stall Torque       53.10 lbf.in (6 N.m) 208480 V three phase         Peak Stall Torque       123.91 lbf.in (14 N.m) 208 V three phase         123.91 lbf.in (14 N.m) 400 V three phase       123.91 lbf.in (14 N.m) 400 V three phase         123.91 lbf.in (14 N.m) 400 V three phase       123.91 lbf.in (5.1 N.m) 400 V three phase         Nominal Output Power       1000 W 208 V three phase         1900 W 480 V three phase       1900 W 480 V three phase         1900 W 480 V three phase       3.6.29 lbf.in (4.1 N.m) 480 V three phase         Nominal Torque       45.14 lbf.in (5.1 N.m) 400 V three phase         36.29 lbf.in (4.1 N.m) 480 V three phase       3800 rpm 400 V three phase         Nominal Speed       1900 rpm 208 V three phase         17.5 A 208 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase <td>Supply Voltage Limits</td> <td>208480 V</td>	Supply Voltage Limits	208480 V
Network Frequency Limits       47.563 Hz         Emc Filter       Integrated         Continuous Output Current       4 A 8 kHz         Output Current 3S Peak       12 A 400 V 3 s         Continuous Stall Current       4 A         Continuous Stall Current       4 A         Continuous Stall Torque       53.10 lbf.in (6 N.m) 208480 V three phase         Peak Stall Torque       123.91 lbf.in (14 N.m) 208 V three phase         123.91 lbf.in (14 N.m) 400 V three phase         123.91 lbf.in (14 N.m) 400 V three phase         123.91 lbf.in (14 N.m) 400 V three phase         1900 W 400 V three phase         1900 Pm 208 V three phase         17.5 A 208 V, three phase         17.5 A 208 V, three phase         17.5 A 400 V, three phase         17.5 A 400 V, three phase         17.5 A 400	Phase	Three phase
Emc Filter       Integrated         Continuous Output Current       4 A 8 kHz         Output Current 3S Peak       12 A 400 V 3 s         Continuous Stall Current       4 A         Continuous Stall Current       4 A         Continuous Stall Torque       53.10 lbf.in (6 N.m) 208480 V three phase         Peak Stall Torque       123.91 lbf.in (14 N.m) 400 V three phase         123.91 lbf.in (14 N.m) 400 V three phase       123.91 lbf.in (14 N.m) 400 V three phase         123.91 lbf.in (14 N.m) 400 V three phase       123.91 lbf.in (14 N.m) 400 V three phase         Nominal Output Power       1000 W 208 V three phase         1900 W 400 V three phase       1900 W 400 V three phase         1900 W 480 V three phase       47.79 lbf.in (5.4 N.m) 208 V three phase         Nominal Torque       45.14 lbf.in (5.1 N.m) 400 V three phase         36.29 lbf.in (4.1 N.m) 480 V three phase       36.29 lbf.in (4.1 N.m) 480 V three phase         Maximum Current Irms       17.5 A 208 V, three phase         17.5 A 400 V, three phase       17.5 A 400 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         Product Compatibility       Drive control unit LXM32i CANopen         Drive control unit LXM32i EtherCAT       Shaft End	Supply Frequency	50/60 Hz - 55 %
Continuous Output Current       4 A 8 kHz         Output Current 3S Peak       12 A 400 V 3 s         Continuous Stall Current       4 A         Continuous Stall Current       4 A         Continuous Stall Torque       53.10 lbf.in (6 N.m) 208480 V three phase         Peak Stall Torque       123.91 lbf.in (14 N.m) 208 V three phase         123.91 lbf.in (14 N.m) 400 V three phase       123.91 lbf.in (14 N.m) 480 V three phase         123.91 lbf.in (14 N.m) 480 V three phase       120.90 W 400 V three phase         1900 W 400 V three phase       1900 W 400 V three phase         1900 W 480 V three phase       1900 W 480 V three phase         1900 W 480 V three phase       1900 W 480 V three phase         1900 W 480 V three phase       36.29 lbf.in (5.1 N.m) 480 V three phase         Nominal Torque       45.14 lbf.in (5.1 N.m) 480 V three phase         36.29 lbf.in (4.1 N.m) 480 V three phase       360 rpm 400 V three phase         3700 rpm 208 V three phase       3800 rpm 400 V three phase         3800 rpm 400 V three phase       17.5 A 208 V, three phase         17.5 A 208 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase	Network Frequency Limits	47.563 Hz
Output Current 3S Peak       12 A 400 V 3 s         Continuous Stall Current       4 A         Continuous Stall Torque       53.10 lbf.in (6 N.m) 208480 V three phase         Peak Stall Torque       123.91 lbf.in (14 N.m) 208 V three phase         123.91 lbf.in (14 N.m) 400 V three phase       123.91 lbf.in (14 N.m) 480 V three phase         123.91 lbf.in (14 N.m) 480 V three phase       123.91 lbf.in (14 N.m) 480 V three phase         Nominal Output Power       1000 W 208 V three phase         1900 W 480 V three phase       1900 W 480 V three phase         1900 W 480 V three phase       1900 W 480 V three phase         Nominal Torque       45.14 lbf.in (5.1 N.m) 400 V three phase         Nominal Speed       1900 rpm 208 V three phase         1900 rpm 208 V three phase       3600 rpm 400 V three phase         Atom V three phase       17.5 A 208 V, three phase         17.5 A 400 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase	Emc Filter	Integrated
Continuous Stall Current       4 A         Continuous Stall Torque       53.10 lbf.in (6 N.m) 208480 V three phase         Peak Stall Torque       123.91 lbf.in (14 N.m) 208 V three phase         123.91 lbf.in (14 N.m) 400 V three phase       123.91 lbf.in (14 N.m) 400 V three phase         123.91 lbf.in (14 N.m) 400 V three phase       123.91 lbf.in (14 N.m) 400 V three phase         Nominal Output Power       1000 W 208 V three phase         1900 W 400 V three phase       1900 W 480 V three phase         1900 W 480 V three phase       1900 W 480 V three phase         1900 W 480 V three phase       36.29 lbf.in (5.1 N.m) 400 V three phase         Ar.79 lbf.in (5.4 N.m) 208 V three phase       36.29 lbf.in (4.1 N.m) 480 V three phase         Nominal Speed       1900 rpm 208 V three phase         17.5 A 208 V, three phase       17.5 A 400 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         Product Compatibility       Drive control unit LXM32i CANopen         Drive control unit LXM32i EtherCAT       Shaft End	Continuous Output Current	4 A 8 kHz
Continuous Stall Torque       53.10 lbf.in (6 N.m) 208480 V three phase         Peak Stall Torque       123.91 lbf.in (14 N.m) 208 V three phase         123.91 lbf.in (14 N.m) 400 V three phase       123.91 lbf.in (14 N.m) 400 V three phase         123.91 lbf.in (14 N.m) 480 V three phase       123.91 lbf.in (14 N.m) 480 V three phase         Nominal Output Power       1000 W 208 V three phase         1900 W 400 V three phase       1900 W 480 V three phase         1900 W 480 V three phase       1900 W 480 V three phase         Nominal Torque       45.14 lbf.in (5.1 N.m) 400 V three phase         36.29 lbf.in (4.1 N.m) 208 V three phase       36.29 lbf.in (4.1 N.m) 480 V three phase         Nominal Speed       1900 rpm 208 V three phase         17.5 A 208 V, three phase       37.00 rpm 480 V three phase         17.5 A 400 V, three phase       17.5 A 400 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         17.5 A 480 V, three phase       17.5 A 480 V, three phase         Product Compatibility       Drive control unit LXM32i CANopen         Drive control unit LXM32i EtherCAT       Shaft End	Output Current 3S Peak	12 A 400 V 3 s
Peak Stall Torque       123.91 lbf.in (14 N.m) 208 V three phase 123.91 lbf.in (14 N.m) 400 V three phase 123.91 lbf.in (14 N.m) 480 V three phase         Nominal Output Power       1000 W 208 V three phase 1900 W 400 V three phase 1900 W 480 V three phase         Nominal Torque       45.14 lbf.in (5.1 N.m) 400 V three phase 36.29 lbf.in (4.1 N.m) 208 V three phase 36.29 lbf.in (4.1 N.m) 480 V three phase         Nominal Speed       1900 rpm 208 V three phase 4700 rpm 480 V three phase         Maximum Current Irms       17.5 A 208 V, three phase 17.5 A 480 V, three phase         Product Compatibility       Drive control unit LXM32i CANopen Drive control unit LXM32i EtherCAT         Shaft End       Keyed	Continuous Stall Current	4 A
123.91 lbf.in (14 N.m) 400 V three phase 123.91 lbf.in (14 N.m) 480 V three phaseNominal Output Power1000 W 208 V three phase 1900 W 400 V three phase 1900 W 480 V three phase 1900 W 480 V three phase 47.79 lbf.in (5.1 N.m) 400 V three phase 36.29 lbf.in (4.1 N.m) 208 V three phase 36.29 lbf.in (4.1 N.m) 480 V three phase 3800 rpm 400 V three phase 4700 rpm 480 V three phase 4700 rpm 480 V three phaseNominal Speed1900 rpm 208 V three phase 3800 rpm 400 V three phase 4700 rpm 480 V three phaseMaximum Current Irms17.5 A 208 V, three phase 17.5 A 480 V, three phaseProduct CompatibilityDrive control unit LXM32i CANopen Drive control unit LXM32i EtherCATShaft EndKeyed	Continuous Stall Torque	53.10 lbf.in (6 N.m) 208480 V three phase
1900 W 400 V three phase 1900 W 480 V three phaseNominal Torque45.14 lbf.in (5.1 N.m) 400 V three phase 47.79 lbf.in (5.4 N.m) 208 V three phase 36.29 lbf.in (4.1 N.m) 480 V three phase 3800 rpm 400 V three phase 4700 rpm 480 V three phaseNominal Speed1900 rpm 208 V three phase 3800 rpm 400 V three phase 4700 rpm 480 V three phase 17.5 A 208 V, three phase 17.5 A 400 V, three phase 17.5 A 480 V, three phaseProduct CompatibilityDrive control unit LXM32i CANopen Drive control unit LXM32i EtherCATShaft EndKeyed	Peak Stall Torque	123.91 lbf.in (14 N.m) 400 V three phase
47.79 lbf.in (5.4 N.m) 208 V three phase         36.29 lbf.in (4.1 N.m) 480 V three phase         3800 rpm 208 V three phase         3800 rpm 400 V three phase         3800 rpm 480 V three phase         47.00 rpm 480 V three phase         17.5 A 208 V, three phase         17.5 A 400 V, three phase         17.5 A 480 V, three phase         Product Compatibility         Drive control unit LXM32i CANopen         Drive control unit LXM32i EtherCAT         Shaft End         Keyed	Nominal Output Power	1900 W 400 V three phase
3800 rpm 400 V three phase         4700 rpm 480 V three phase         Maximum Current Irms       17.5 A 208 V, three phase         17.5 A 400 V, three phase         17.5 A 400 V, three phase         17.5 A 480 V, three phase         Product Compatibility       Drive control unit LXM32i CANopen         Drive control unit LXM32i EtherCAT         Shaft End       Keyed	Nominal Torque	47.79 lbf.in (5.4 N.m) 208 V three phase
17.5 A 400 V, three phase       17.5 A 480 V, three phase       17.5 A 480 V, three phase       Product Compatibility       Drive control unit LXM32i CANopen       Drive control unit LXM32i EtherCAT   Shaft End Keyed	Nominal Speed	3800 rpm 400 V three phase
Drive control unit LXM32i EtherCAT           Shaft End         Keyed	Maximum Current Irms	17.5 A 400 V, three phase
	Product Compatibility	
Second Shaft Without second shaft end	Shaft End	Keyed
	Second Shaft	Without second shaft end

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Shaft Diameter	0.75 in (19 mm)
Shaft Length	1.57 in (40 mm)
Key Width	0.24 in (6 mm)
Feedback Type	Absolute multiturn SinCos Hiperface
Speed Feedback Resolution	32768 points/turn x 4096 turns
Holding Brake	With
Holding Torque	48.68 lbf.in (5.5 N.m) holding brake
Mounting Support	International standard flange
Motor Flange Size	3.94 in (100 mm)
Electrical Connection	Printed circuit board connector
Torque Constant	1.28 N.m/A 68 °F (20 °C)
Back Emf Constant	84.52 V/krpm 68 °F (20 °C)
Number Of Motor Poles	10
Rotor Inertia	6.77 kg.cm <sup>2</sup>
Stator Resistance	2.347 Ohm 68 °F (20 °C)
Stator Inductance	9.79 mH 68 °F (20 °C)
Stator Electrical Time Constant	4.17 ms 68 °F (20 °C)
Maximum Radial Force Fr	990 N 1000 rpm 790 N 2000 rpm 690 N 3000 rpm 620 N 4000 rpm 580 N 5000 rpm
Maximum Axial Force Fa	0.2 x Fr
Brake Pull-In Power	8 W
Type Of Cooling	Natural convection
Length	11.10 in (282 mm)
Number Of Motor Stacks	2
Centring Collar Diameter	3.74 in (95 mm)
Centring Collar Depth	0.14 in (3.5 mm)
Number Of Mounting Holes	4
Mounting Holes Diameter	0.35 in (9 mm)
Circle Diameter Of The Mounting Holes	4.53 in (115 mm)
Distance Shaft Shoulder-Flange	0.14 in (3.5 mm)

### Environment

Ip Degree Of Protection

# Ordering and shipping details

IP65

Category	US1PC5618287	
Discount Schedule	PC56	
Gtin	3606485377230	
Returnability	No	
Country Of Origin	DE	

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.84 in (25.0 cm)
Package 1 Width	7.32 in (18.6 cm)
Package 1 Length	21.65 in (55.0 cm)
Package 1 Weight	20.94 lb(US) (9.5 kg)

### **Contractual warranty**

Warranty

18 months

# Sustainability Screen

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

### Well-being performance



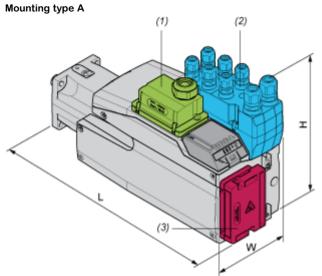
### **Certifications & Standards**

Reach Regulation	REACh Declaration		
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)		
China Rohs Regulation	China RoHS declaration		
Environmental Disclosure	Product Environmental Profile		
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.		
Circularity Profile	End of Life Information		
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth		

**Dimensions Drawings** 

#### **External Dimensions**

# With Standard Braking Resistor



- (1) Module for supply voltage
- (2) I/O module
- (3) Standard braking resistor

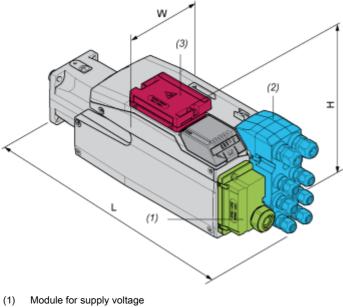
#### Dimensions in mm

W	Н	L
132,6	217	337

#### Dimensions in in.

W	Н	L
5,22	8,54	13,27

#### Mounting type B



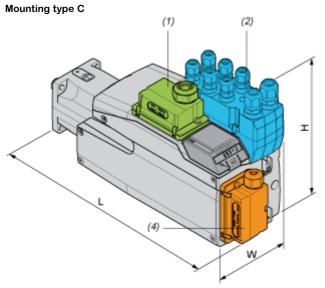
(2) I/O module

#### (3) Standard braking resistor

Dimensions in mm				
W H L				
132,6	168	386		

Dimensions in in.			
W H L			
5,22	6,61	15,2	

#### With External Braking Resistor



(1) Module for supply voltage

- (2) I/O module
- (4) External braking resistor

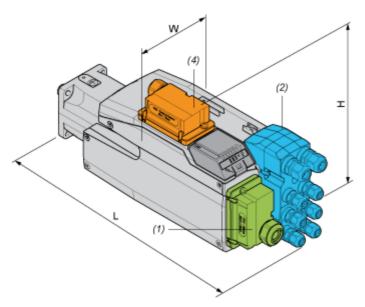
#### Dimensions in mm

W	Н	L
132,6	217	349

Dimensions in in.

W	Н	L
5,22	8,54	13,74

#### Mounting type D



- (1) Module for supply voltage
- (2) I/O module
- (4) External braking resistor

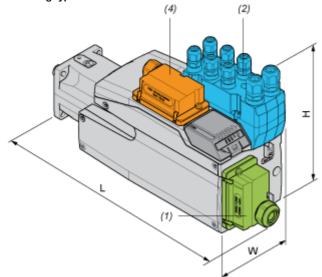
	Dimen	isions	in	mm
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W	Н	L
132,6	180	386

Dimensions in in.

W	н	L	
5,22	7,09	15,2	

#### Mounting type E



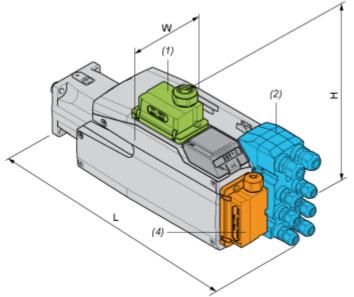
- (1) Module for supply voltage
- (2) I/O module
- (4) External braking resistor

Dimensions in mm

W	Н	L	
132,6	217	376	

Dimensions in in.					
W H L					
5,22	8,54	14,8			

#### Mounting type F



- (1) Module for supply voltage
- (2) I/O module
- (4) External braking resistor

#### Dimensions in mm

W	Н	L	
132,6	206,5	386	

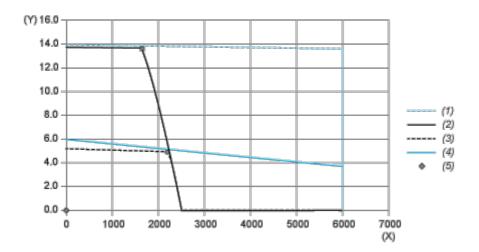
#### Dimensions in in.

W	Н	L
5,22	8,13	15,2

BMI1002P37F

Performance Curves

Performance Curves



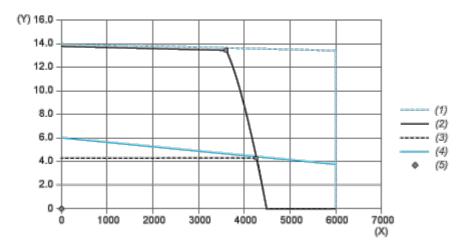
### Torque/Speed Curves with 208 V Three Phases Supply Voltage

- (X) Speed (rpm)
- (Y) Torque (N.m)
- (1) Motor peak
- (2) Drive peak
- (3) Drive cont
- (4) Motor cont
- (5) Operating point

		Power	At Speed	With Torque
max. Peak Power		2499 W	1740 rpm	13.72 N.m
max Cont. Power (Drive)	•	1109	2160 rpm	4.90 N.m

#### Performance Curves

#### Torque/Speed Curves with 400 V Three Phases Supply Voltage

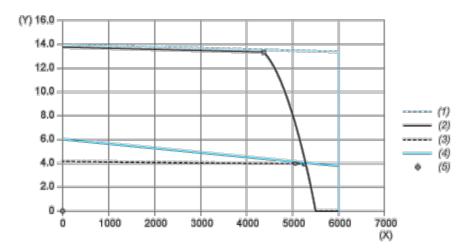


- (X) Speed (rpm)
- (Y) Torque (N.m)
- (1) Motor peak
- (2) Drive peak
- (3) Drive cont
- (4) Motor cont
- (5) Operating point

		Power	At Speed	With Torque
max. Peak Power		5090 W	3600 rpm	13.50 N.m
max Cont. Power (Drive)	•	1954 W	4320 rpm	4.32 N.m

#### Performance Curves

#### Torque/Speed Curves with 480 V Three Phases Supply Voltage



- (X) Speed (rpm)
- (Y) Torque (N.m)
- (1) Motor peak
- (2) Drive peak
- (3) Drive cont
- (4) Motor cont
- (5) Operating point

		Power	At Speed	With Torque
max. Peak Power		6117 W	4380 rpm	13.34 N.m
max Cont. Power (Drive)	•	2080 W	5040 rpm	3.94 N.m