

Взрывозащищенные электродвигатели (IE3)

Технические характеристики

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3TG160L2D

IE3, 18.5 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

18.5 kW



Synchronous Speed

3000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 1-21 (Flameproof)**

Product Subcategories : **Cast Iron Frame**

Output Power : **18.5 kW**

Speed : **2945 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **60 Nm**

Number of Poles : **2**

Current : **31.7/18.3 A (D/Y)**

Moment of Inertia : **0.04409 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **92.4 % - 92.7 % - 92.3 %**

Power Factor : **0.91**

Locked Rotor Current : **8.9 Ia/In**

Locked Rotor Torque : **3.1 Ma/Mn**

Break Down Torque : **4.2 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +50°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **69 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **158 kg**

Bearings : **DS (6309ZZ C3) - NS (6309ZZ C3)**

ATEX Classification (Gas) : **II 2G Ex db IIC T4 Gb**

ATEX Classification (Dust) : **II 2D Ex tb IIIC T120°C Db**

ATEX Certification
Number : **IEP 22 ATEX 1075X**

PTC : **120°C**

3TG160L4E

IE3, 15.0 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

15.0 kW



Synchronous Speed

1500 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 1-21 (Flameproof)**

Product Subcategories : **Cast Iron Frame**

Output Power : **15.0 kW**

Speed : **1465 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **97.8 Nm**

Number of Poles : **4**

Current : **28.7/16.6 A (D/Y)**

Moment of Inertia : **0.08579 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **92.1 % - 92.4 % - 91.9 %**

Power Factor : **0.82**

Locked Rotor Current : **7.8 Ia/In**

Locked Rotor Torque : **2.8 Ma/Mn**

Break Down Torque : **3.5 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +50°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **63 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **171 kg**

Bearings : **DS (6309ZZ C3) - NS (6309ZZ C3)**

ATEX Classification (Gas) : **II 2G Ex db IIC T4 Gb**

ATEX Classification (Dust) : **II 2D Ex tb IIIC T120°C Db**

ATEX Certification
Number : **IEP 22 ATEX 1075X**

PTC : **120°C**

3TG160L6E

IE3, 11.0 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

11.0 kW



Synchronous Speed

1000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 1-21 (Flameproof)**

Product Subcategories : **Cast Iron Frame**

Output Power : **11.0 kW**

Speed : **972 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **108 Nm**

Number of Poles : **6**

Current : **23.1/13.3 A (D/Y)**

Moment of Inertia : **0.08580 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **90.3 % - 90.9 % - 90.5 %**

Power Factor : **0.76**

Locked Rotor Current : **6.6 Ia/In**

Locked Rotor Torque : **2.9 Ma/Mn**

Break Down Torque : **3.1 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +50°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **62 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **172 kg**

Bearings : **DS (6309ZZ C3) - NS (6309ZZ C3)**

ATEX Classification (Gas) : **II 2G Ex db IIC T4 Gb**

ATEX Classification (Dust) : **II 2D Ex tb IIIC T120°C Db**

ATEX Certification
Number : **IEP 22 ATEX 1075X**

PTC : **120°C**

3TG160M2B

IE3, 11.0 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

11.0 kW



Synchronous Speed

3000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 1-21 (Flameproof)**

Product Subcategories : **Cast Iron Frame**

Output Power : **11.0 kW**

Speed : **2950 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **35.6 Nm**

Number of Poles : **2**

Current : **19.7/11.4 A (D/Y)**

Moment of Inertia : **0.03318 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **91.2 % - 91.0 % - 90.5 %**

Power Factor : **0.88**

Locked Rotor Current : **8.5 Ia/In**

Locked Rotor Torque : **2.6 Ma/Mn**

Break Down Torque : **3.9 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +50°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **69 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **144 kg**

Bearings : **DS (6309ZZ C3) - NS (6309ZZ C3)**

ATEX Classification (Gas) : **II 2G Ex db IIC T4 Gb**

ATEX Classification (Dust) : **II 2D Ex tb IIIC T120°C Db**

ATEX Certification
Number : **IEP 22 ATEX 1075X**

PTC : **120°C**

3TG160M2C

IE3, 15.0 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

15.0 kW



Synchronous Speed

3000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 1-21 (Flameproof)**

Product Subcategories : **Cast Iron Frame**

Output Power : **15.0 kW**

Speed : **2950 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **48.6 Nm**

Number of Poles : **2**

Current : **26.5/15.3 A (D/Y)**

Moment of Inertia : **0.03913 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **91.9 % - 92.1 % - 91.6 %**

Power Factor : **0.89**

Locked Rotor Current : **8.9 Ia/In**

Locked Rotor Torque : **3.1 Ma/Mn**

Break Down Torque : **4.2 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +50°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **69 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **154 kg**

Bearings : **DS (6309ZZ C3) - NS (6309ZZ C3)**

ATEX Classification (Gas) : **II 2G Ex db IIC T4 Gb**

ATEX Classification (Dust) : **II 2D Ex tb IIIC T120°C Db**

ATEX Certification
Number : **IEP 22 ATEX 1075X**

PTC : **120°C**

3TG160M4C

IE3, 11.0 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

11.0 kW



Synchronous Speed

1500 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 1-21 (Flameproof)**

Product Subcategories : **Cast Iron Frame**

Output Power : **11.0 kW**

Speed : **1465 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **71.7 Nm**

Number of Poles : **4**

Current : **21.0/12.1 A (D/Y)**

Moment of Inertia : **0.07011 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **91.5 % - 92.1 % - 91.7 %**

Power Factor : **0.83**

Locked Rotor Current : **7.6 Ia/In**

Locked Rotor Torque : **2.8 Ma/Mn**

Break Down Torque : **3.3 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +50°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **63 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **156 kg**

Bearings : **DS (6309ZZ C3) - NS (6309ZZ C3)**

ATEX Classification (Gas) : **II 2G Ex db IIC T4 Gb**

ATEX Classification (Dust) : **II 2D Ex tb IIIC T120°C Db**

ATEX Certification
Number : **IEP 22 ATEX 1075X**

PTC : **120°C**

3TG160M6D

IE3, 7.5 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

7.50 kW



Synchronous Speed

1000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 1-21 (Flameproof)**

Product Subcategories : **Cast Iron Frame**

Output Power : **7.50 kW**

Speed : **972 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **73.7 Nm**

Number of Poles : **6**

Current : **15.6/8.98 A (D/Y)**

Moment of Inertia : **0.07870 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **89.1 % - 89.4 % - 88.4 %**

Power Factor : **0.78**

Locked Rotor Current : **6.3 Ia/In**

Locked Rotor Torque : **2.6 Ma/Mn**

Break Down Torque : **3.0 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +50°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **61 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **163 kg**

Bearings : **DS (6309ZZ C3) - NS (6309ZZ C3)**

ATEX Classification (Gas) : **II 2G Ex db IIC T4 Gb**

ATEX Classification (Dust) : **II 2D Ex tb IIIC T120°C Db**

ATEX Certification
Number : **IEP 22 ATEX 1075X**

PTC : **120°C**

3ZG132M4D

IE3, 7.5 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1500 rpm



Frequency

50 Hz



Output Power

7.50 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **7.50 kW**

Speed : **1465 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **132**

Number of Phases : **3**

Torque : **48.9 Nm**

Number of Poles : **4**

Current : **14.8/8.55 A (D/Y)**

Moment of Inertia : **0.03418 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **90.4 % - 90.4 % - 89.4 %**

Power Factor : **0.81**

Locked Rotor Current : **7.8 Ia/In**

Locked Rotor Torque : **3.2 Ma/Mn**

Break Down Torque : **3.4 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **61 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **72.6 kg**

Bearings : **DS (6208ZZ C3) - NS (6208ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG132M6C

IE3, 4.00 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1000 rpm



Frequency

50 Hz



Output Power

4.00 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **4.00 kW**

Speed : **970 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **132**

Number of Phases : **3**

Torque : **39.4 Nm**

Number of Poles : **6**

Current : **8.52/4.92 A (D/Y)**

Moment of Inertia : **0.03493 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **86.8 % - 87.0 % - 85.5 %**

Power Factor : **0.78**

Locked Rotor Current : **6.2 Ia/In**

Locked Rotor Torque : **2.2 Ma/Mn**

Break Down Torque : **2.9 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **58 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **65.7 kg**

Bearings : **DS (6208ZZ C3) - NS (6208ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG132M6D

IE3, 5.5 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1000 rpm



Frequency

50 Hz



Output Power

5.50 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **5.50 kW**

Speed : **965 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **132**

Number of Phases : **3**

Torque : **54.4 Nm**

Number of Poles : **6**

Current : **11.6/6.67 A (D/Y)**

Moment of Inertia : **0.03934 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **88.0 % - 88.9 % - 88.5 %**

Power Factor : **0.78**

Locked Rotor Current : **6.2 Ia/In**

Locked Rotor Torque : **2.2 Ma/Mn**

Break Down Torque : **2.8 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **58 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **71.9 kg**

Bearings : **DS (6208ZZ C3) - NS (6208ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG132S2B

IE3, 5.5 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

3000 rpm



Frequency

50 Hz



Output Power

5.50 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **5.50 kW**

Speed : **2945 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **132**

Number of Phases : **3**

Torque : **17.8 Nm**

Number of Poles : **2**

Current : **9.90/5.72 A (D/Y)**

Moment of Inertia : **0.01732 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **89.2 % - 89.0 % - 88.6 %**

Power Factor : **0.90**

Locked Rotor Current : **8.9 Ia/In**

Locked Rotor Torque : **2.9 Ma/Mn**

Break Down Torque : **3.9 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **67 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **67.5 kg**

Bearings : **DS (6208ZZ C3) - NS (6208ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG132S2C

IE3, 7.5 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

3000 rpm



Frequency

50 Hz



Output Power

7.50 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **7.50 kW**

Speed : **2945 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **132**

Number of Phases : **3**

Torque : **24.3 Nm**

Number of Poles : **2**

Current : **13.2/7.62 A (D/Y)**

Moment of Inertia : **0.02104 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **90.1 % - 90.5 % - 89.7 %**

Power Factor : **0.91**

Locked Rotor Current : **8.4 Ia/In**

Locked Rotor Torque : **2.6 Ma/Mn**

Break Down Torque : **4.0 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **67 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **71.5 kg**

Bearings : **DS (6208ZZ C3) - NS (6208ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG132S4C

IE3, 5.5 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1500 rpm



Frequency

50 Hz



Output Power

5.50 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **5.50 kW**

Speed : **1465 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **132**

Number of Phases : **3**

Torque : **36.0 Nm**

Number of Poles : **4**

Current : **10.9/6.29 A (D/Y)**

Moment of Inertia : **0.03059 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **89.6 % - 90.2 % - 90.0 %**

Power Factor : **0.81**

Locked Rotor Current : **7.0 Ia/In**

Locked Rotor Torque : **3.0 Ma/Mn**

Break Down Torque : **3.3 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **61 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **66.5 kg**

Bearings : **DS (6208ZZ C3) - NS (6208ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG132S6B

IE3, 3.00 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Output Power

3.00 kW



Synchronous Speed

1000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **3.00 kW**

Speed : **970 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **132**

Number of Phases : **3**

Torque : **29.4 Nm**

Number of Poles : **6**

Current : **6.55/3.78 A (D/Y)**

Moment of Inertia : **0.03051 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **85.6 % - 85.5 % - 84.5 %**

Power Factor : **0.77**

Locked Rotor Current : **6.2 Ia/In**

Locked Rotor Torque : **2.1 Ma/Mn**

Break Down Torque : **3.0 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **58 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **62.4 kg**

Bearings : **DS (6208ZZ C3) - NS (6208ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG160L2D

IE3, 18.5 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

18.5 kW



Synchronous Speed

3000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **18.5 kW**

Speed : **2945 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **60.0 Nm**

Number of Poles : **2**

Current : **31.7/18.3 A (D/Y)**

Moment of Inertia : **0.04409 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **92.4 % - 92.7 % - 92.3 %**

Power Factor : **0.91**

Locked Rotor Current : **8.9 Ia/In**

Locked Rotor Torque : **3.1 Ma/Mn**

Break Down Torque : **4.2 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **69 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **156 kg**

Bearings : **DS (6309ZZ C3) - NS (6209ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG160L4E

IE3, 15.0 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

15.0 kW



Synchronous Speed

1500 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **15.0 kW**

Speed : **1465 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **97.8 Nm**

Number of Poles : **4**

Current : **28.7/16.6 A (D/Y)**

Moment of Inertia : **0.08579 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **92.1 % - 92.4 % - 91.9 %**

Power Factor : **0.82**

Locked Rotor Current : **7.8 Ia/In**

Locked Rotor Torque : **2.8 Ma/Mn**

Break Down Torque : **3.5 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **63 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **137 kg**

Bearings : **DS (6309ZZ C3) - NS (6209ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG160L6E

IE3, 11.0 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)




B5 Foot Mounted (PA)




B14 Bride (FC)



B14 Foot Mounted (PC)

 Efficiency Class
IE3

 Synchronous Speed
1000 rpm

 Frequency
50 Hz

 Output Power
11.0 kW

 Voltage
400/690 V (D/Y)

 Frame Material
Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **11.0 kW**

Speed : **972 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **108 Nm**

Number of Poles : **6**

Current : **23.1/13.3 A (D/Y)**

Moment of Inertia : **0.08580 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **90.3 % - 90.9 % - 90.5 %**

Power Factor : **0.76**

Locked Rotor Current : **6.6 Ia/In**

Locked Rotor Torque : **2.9 Ma/Mn**

Break Down Torque : **3.1 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **62 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **185 kg**

Bearings : **DS (6309ZZ C3) - NS (6209ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG160M2B

IE3, 11.0 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

11.0 kW



Synchronous Speed

3000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **11.0 kW**

Speed : **2950 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **35.6 Nm**

Number of Poles : **2**

Current : **19.7/11.4 A (D/Y)**

Moment of Inertia : **0.03318 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **91.2 % - 91.0 % - 90.5 %**

Power Factor : **0.88**

Locked Rotor Current : **8.5 Ia/In**

Locked Rotor Torque : **2.6 Ma/Mn**

Break Down Torque : **3.9 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **69 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **117 kg**

Bearings : **DS (6309ZZ C3) - NS (6209ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG160M2C

IE3, 15.0 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

15.0 kW



Synchronous Speed

3000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **15.0 kW**

Speed : **2950 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **48.6 Nm**

Number of Poles : **2**

Current : **26.5/15.3 A (D/Y)**

Moment of Inertia : **0.03913 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **91.9 % - 92.1 % - 91.6 %**

Power Factor : **0.89**

Locked Rotor Current : **8.9 Ia/In**

Locked Rotor Torque : **3.1 Ma/Mn**

Break Down Torque : **4.2 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **69 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **135 kg**

Bearings : **DS (6309ZZ C3) - NS (6209ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG160M4C

IE3, 11.0 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

11.0 kW



Synchronous Speed

1500 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **11.0 kW**

Speed : **1465 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **71.7 Nm**

Number of Poles : **4**

Current : **21.0/12.1 A (D/Y)**

Moment of Inertia : **0.07011 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **91.5 % - 92.1 % - 91.7 %**

Power Factor : **0.83**

Locked Rotor Current : **7.6 Ia/In**

Locked Rotor Torque : **2.8 Ma/Mn**

Break Down Torque : **3.3 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **63 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **130 kg**

Bearings : **DS (6309ZZ C3) - NS (6209ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG160M6D

IE3, 7.5 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

7.50 kW



Synchronous Speed

1000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **7.50 kW**

Speed : **972 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **73.7 Nm**

Number of Poles : **6**

Current : **15.6/8.98 A (D/Y)**

Moment of Inertia : **0.07870 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **89.1 % - 89.4 % - 88.4 %**

Power Factor : **0.78**

Locked Rotor Current : **6.3 Ia/In**

Locked Rotor Torque : **2.6 Ma/Mn**

Break Down Torque : **3.0 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **61 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **135 kg**

Bearings : **DS (6309ZZ C3) - NS (6209ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG180L4D

IE3, 22.0 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1500 rpm



Frequency

50 Hz



Output Power

22.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **22.0 kW**

Speed : **1470 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **180**

Number of Phases : **3**

Torque : **143 Nm**

Number of Poles : **4**

Current : **41.4/23.9 A (D/Y)**

Moment of Inertia : **0.14667 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **93.0 % - 93.7 % - 93.7 %**

Power Factor : **0.82**

Locked Rotor Current : **8.0 Ia/In**

Locked Rotor Torque : **3.0 Ma/Mn**

Break Down Torque : **3.4 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **64 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **187 kg**

Bearings : **DS (6310ZZ C3) - NS (6210ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG180L6E

IE3, 15.0 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)




B5 Bride (FA)



B5 Foot Mounted (PA)

 Efficiency Class
IE3

 Synchronous Speed
1000 rpm

 Frequency
50 Hz

 Output Power
15.0 kW

 Voltage
400/690 V (D/Y)

 Frame Material
Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **15.0 kW**

Speed : **975 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **180**

Number of Phases : **3**

Torque : **147 Nm**

Number of Poles : **6**

Current : **30.8/17.8 A (D/Y)**

Moment of Inertia : **0.15264 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **91.2 % - 91.6 % - 91.0 %**

Power Factor : **0.77**

Locked Rotor Current : **6.7 Ia/In**

Locked Rotor Torque : **2.9 Ma/Mn**

Break Down Torque : **3.1 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **63 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **191 kg**

Bearings : **DS (6310ZZ C3) - NS (6210ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG180M2B

IE3, 22.0 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

3000 rpm



Frequency

50 Hz



Output Power

22.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **22.0 kW**

Speed : **2957 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **180**

Number of Phases : **3**

Torque : **71.1 Nm**

Number of Poles : **2**

Current : **38.1/22.0 A (D/Y)**

Moment of Inertia : **0.06299 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **92.7 % - 92.9 % - 92.0 %**

Power Factor : **0.90**

Locked Rotor Current : **8.6 Ia/In**

Locked Rotor Torque : **3.1 Ma/Mn**

Break Down Torque : **3.9 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **70 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **178 kg**

Bearings : **DS (6310ZZ C3) - NS (6210ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG180M4C

IE3, 18.5 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1500 rpm



Frequency

50 Hz



Output Power

18.5 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **18.5 kW**

Speed : **1475 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **180**

Number of Phases : **3**

Torque : **120 Nm**

Number of Poles : **4**

Current : **35.0/20.2 A (D/Y)**

Moment of Inertia : **0.12901 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **92.6 % - 93.2 % - 92.9 %**

Power Factor : **0.82**

Locked Rotor Current : **7.7 Ia/In**

Locked Rotor Torque : **3.0 Ma/Mn**

Break Down Torque : **3.3 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **64 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **173 kg**

Bearings : **DS (6310ZZ C3) - NS (6210ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG200L2B

IE3, 30.0 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

3000 rpm



Frequency

50 Hz



Output Power

30.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **30.0 kW**

Speed : **2965 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **200**

Number of Phases : **3**

Torque : **96.6 Nm**

Number of Poles : **2**

Current : **52.0/30.0 A (D/Y)**

Moment of Inertia : **0.16168 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **93.6 % - 93.8 % - 93.6 %**

Power Factor : **0.89**

Locked Rotor Current : **8.6 Ia/In**

Locked Rotor Torque : **3.2 Ma/Mn**

Break Down Torque : **3.5 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **72 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **245 kg**

Bearings : **DS (6312ZZ C3) - NS (6212ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG200L2C

IE3, 37.0 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Output Power

37.0 kW



Synchronous Speed

3000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **37.0 kW**

Speed : **2965 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **200**

Number of Phases : **3**

Torque : **119 Nm**

Number of Poles : **2**

Current : **63.3/36.5 A (D/Y)**

Moment of Inertia : **0.17458 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **93.7 % - 94.1 % - 93.8 %**

Power Factor : **0.90**

Locked Rotor Current : **8.6 Ia/In**

Locked Rotor Torque : **3.2 Ma/Mn**

Break Down Torque : **3.4 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **72 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **270 kg**

Bearings : **DS (6312ZZ C3) - NS (6212ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG200L4D

IE3, 30.0 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron




B3 Foot Mounted (PD)




B5 Bride (FA)



B5 Foot Mounted (PA)

 Efficiency Class
IE3

 Synchronous Speed
1500 rpm

 Frequency
50 Hz

 Output Power
30.0 kW

 Voltage
400/690 V (D/Y)

 Frame Material
Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **30.0 kW**

Speed : **1475 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **200**

Number of Phases : **3**

Torque : **194 Nm**

Number of Poles : **4**

Current : **54.5/31.5 A (D/Y)**

Moment of Inertia : **0.28413 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **93.6 % - 94.1 % - 94.0 %**

Power Factor : **0.85**

Locked Rotor Current : **8.0 Ia/In**

Locked Rotor Torque : **3.0 Ma/Mn**

Break Down Torque : **3.4 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **65 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **258 kg**

Bearings : **DS (6312ZZ C3) - NS (6212ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG200L6C

IE3, 18.5 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1000 rpm



Frequency

50 Hz



Output Power

18.5 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **18.5 kW**

Speed : **977 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **200**

Number of Phases : **3**

Torque : **181 Nm**

Number of Poles : **6**

Current : **36.4/21.0 A (D/Y)**

Moment of Inertia : **0.36100 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **91.7 % - 91.8 % - 91.8 %**

Power Factor : **0.80**

Locked Rotor Current : **6.1 Ia/In**

Locked Rotor Torque : **2.6 Ma/Mn**

Break Down Torque : **2.6 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **64 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **225 kg**

Bearings : **DS (6312ZZ C3) - NS (6212ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG200L6D

IE3, 22.0 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron




B3 Foot Mounted (PD)




B5 Bride (FA)



B5 Foot Mounted (PA)

 Efficiency Class
IE3

 Synchronous Speed
1000 rpm

 Frequency
50 Hz

 Output Power
22.0 kW

 Voltage
400/690 V (D/Y)

 Frame Material
Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **22.0 kW**

Speed : **978 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **200**

Number of Phases : **3**

Torque : **215 Nm**

Number of Poles : **6**

Current : **42.5/24.5 A (D/Y)**

Moment of Inertia : **0.39355 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **92.2 % - 92.9 % - 93.0 %**

Power Factor : **0.81**

Locked Rotor Current : **6.2 Ia/In**

Locked Rotor Torque : **2.6 Ma/Mn**

Break Down Torque : **2.6 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **64 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **245 kg**

Bearings : **DS (6312ZZ C3) - NS (6212ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG225M2C

IE3, 45.0 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

3000 rpm



Frequency

50 Hz



Output Power

45.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **45.0 kW**

Speed : **2970 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **225**

Number of Phases : **3**

Torque : **145 Nm**

Number of Poles : **2**

Current : **76.8/44.3 A (D/Y)**

Moment of Inertia : **0.25353 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **94.0 % - 94.4 % - 94.2 %**

Power Factor : **0.90**

Locked Rotor Current : **8.6 Ia/In**

Locked Rotor Torque : **3.3 Ma/Mn**

Break Down Torque : **3.1 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **74 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **335 kg**

Bearings : **DS (6313ZZ C3) - NS (6213ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG225M4D

IE3, 45.0 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1500 rpm



Frequency

50 Hz



Output Power

45.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **45.0 kW**

Speed : **1477 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **225**

Number of Phases : **3**

Torque : **291 Nm**

Number of Poles : **4**

Current : **80.0/46.2 A (D/Y)**

Moment of Inertia : **0.44100 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **94.2 % - 94.7 % - 94.7 %**

Power Factor : **0.86**

Locked Rotor Current : **8.6 Ia/In**

Locked Rotor Torque : **3.3 Ma/Mn**

Break Down Torque : **3.2 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **67 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **350 kg**

Bearings : **DS (6313ZZ C3) - NS (6213ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG225S4C

IE3, 37.0 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Output Power

37.0 kW



Synchronous Speed

1500 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **37.0 kW**

Speed : **1478 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **225**

Number of Phases : **3**

Torque : **239 Nm**

Number of Poles : **4**

Current : **65.7/37.9 A (D/Y)**

Moment of Inertia : **0.38229 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **93.9 % - 94.5 % - 94.5 %**

Power Factor : **0.87**

Locked Rotor Current : **8.3 Ia/In**

Locked Rotor Torque : **3.2 Ma/Mn**

Break Down Torque : **3.3 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **66 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **320 kg**

Bearings : **DS (6313ZZ C3) - NS (6213ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG225S6C

IE3, 30.0 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1000 rpm



Frequency

50 Hz



Output Power

30.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **30.0 kW**

Speed : **985 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **225**

Number of Phases : **3**

Torque : **291 Nm**

Number of Poles : **6**

Current : **57.6/33.3 A (D/Y)**

Moment of Inertia : **0.60000 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **92.9 % - 92.9 % - 92.6 %**

Power Factor : **0.81**

Locked Rotor Current : **6.6 Ia/In**

Locked Rotor Torque : **2.9 Ma/Mn**

Break Down Torque : **2.7 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **65 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **340 kg**

Bearings : **DS (6313ZZ C3) - NS (6213ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG250M2C

IE3, 55.0 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

3000 rpm



Frequency

50 Hz



Output Power

55.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **55.0 kW**

Speed : **2970 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **250**

Number of Phases : **3**

Torque : **177 Nm**

Number of Poles : **2**

Current : **93.3/53.9 A (D/Y)**

Moment of Inertia : **0.38000 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **94.4 % - 94.8 % - 94.5 %**

Power Factor : **0.90**

Locked Rotor Current : **8.6 Ia/In**

Locked Rotor Torque : **3.3 Ma/Mn**

Break Down Torque : **3.4 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **75 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **425 kg**

Bearings : **DS (6315ZZ C3) - NS (6215ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG250M4D

IE3, 55.0 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1500 rpm



Frequency

50 Hz



Output Power

55.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **55.0 kW**

Speed : **1482 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **250**

Number of Phases : **3**

Torque : **354 Nm**

Number of Poles : **4**

Current : **95.3/55.0 A (D/Y)**

Moment of Inertia : **0.73000 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **94.6 % - 95.1 % - 95.2 %**

Power Factor : **0.88**

Locked Rotor Current : **8.7 Ia/In**

Locked Rotor Torque : **3.3 Ma/Mn**

Break Down Torque : **3.2 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **68 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **460 kg**

Bearings : **DS (6315ZZ C3) - NS (6215ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG250M6C

IE3, 37.0 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1000 rpm



Frequency

50 Hz



Output Power

37.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **37.0 kW**

Speed : **988 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **250**

Number of Phases : **3**

Torque : **358 Nm**

Number of Poles : **6**

Current : **68.8/39.7 A (D/Y)**

Moment of Inertia : **0.82000 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **93.4 % - 93.6 % - 93.5 %**

Power Factor : **0.83**

Locked Rotor Current : **7.3 Ia/In**

Locked Rotor Torque : **2.9 Ma/Mn**

Break Down Torque : **2.8 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **65 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **435 kg**

Bearings : **DS (6315ZZ C3) - NS (6215ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG280M6C

IE3, 55.0 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1000 rpm



Frequency

50 Hz



Output Power

55.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **55.0 kW**

Speed : **989 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **280**

Number of Phases : **3**

Torque : **531 Nm**

Number of Poles : **6**

Current : **102/58.9 A (D/Y)**

Moment of Inertia : **1.65000 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **94.1 % - 94.4 % - 93.5 %**

Power Factor : **0.83**

Locked Rotor Current : **6.9 Ia/In**

Locked Rotor Torque : **2.9 Ma/Mn**

Break Down Torque : **2.8 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **65 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **620 kg**

Bearings : **DS (6319 C3) - NS (6319 C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZG280S6B

IE3, 45.0 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Cast Iron



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1000 rpm



Frequency

50 Hz



Output Power

45.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Cast Iron

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Cast Iron Frame**

Output Power : **45.0 kW**

Speed : **989 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Cast Iron**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **280**

Number of Phases : **3**

Torque : **435 Nm**

Number of Poles : **6**

Current : **83.5/48.2 A (D/Y)**

Moment of Inertia : **1.45000 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **93.7 % - 93.9 % - 93.2 %**

Power Factor : **0.83**

Locked Rotor Current : **6.8 Ia/In**

Locked Rotor Torque : **2.9 Ma/Mn**

Break Down Torque : **2.8 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **65 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **590 kg**

Bearings : **DS (6319 C3) - NS (6319 C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL063M2A

IE3, 0.18 kW, 3000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

0.18 kW



Synchronous Speed

3000 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.18 kW**

Speed : **2805 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **63**

Number of Phases : **3**

Torque : **0.61 Nm**

Number of Poles : **2**

Current : **0.83/0.48 A (D/Y)**

Moment of Inertia : **0.00012 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **70.0 % - 68.5 % - 62.8 %**

Power Factor : **0.77**

Locked Rotor Current : **4.5 Ia/In**

Locked Rotor Torque : **3.0 Ma/Mn**

Break Down Torque : **3.1 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **51 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **4.00 kg**

Bearings : **DS (6201ZZ C3) - NS (6201ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL063M2B

IE3, 0.25 kW, 3000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

0.25 kW



Synchronous Speed

3000 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.25 kW**

Speed : **2805 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **63**

Number of Phases : **3**

Torque : **0.85 Nm**

Number of Poles : **2**

Current : **1.13/0.65 A (D/Y)**

Moment of Inertia : **0.00015 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **71.0 % - 69.7 % - 64.2 %**

Power Factor : **0.79**

Locked Rotor Current : **4.6 Ia/In**

Locked Rotor Torque : **3.0 Ma/Mn**

Break Down Torque : **3.1 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **51 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **4.20 kg**

Bearings : **DS (6201ZZ C3) - NS (6201ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL063M4B

IE3, 0.12 kW, 1500 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

0.12 kW



Synchronous Speed

1500 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.12 kW**

Speed : **1405 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **63**

Number of Phases : **3**

Torque : **0.82 Nm**

Number of Poles : **4**

Current : **0.65/0.37 A (D/Y)**

Moment of Inertia : **0.00018 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **66.0 % - 64.9 % - 58.2 %**

Power Factor : **0.70**

Locked Rotor Current : **3.7 Ia/In**

Locked Rotor Torque : **2.3 Ma/Mn**

Break Down Torque : **2.7 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **42 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **4.10 kg**

Bearings : **DS (6201ZZ C3) - NS (6201ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL063M4C

IE3, 0.18 kW, 1500 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

0.18 kW



Synchronous Speed

1500 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.18 kW**

Speed : **1405 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **63**

Number of Phases : **3**

Torque : **1.22 Nm**

Number of Poles : **4**

Current : **0.90/0.52 A (D/Y)**

Moment of Inertia : **0.00022 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **69.9 % - 68.8 % - 63.6 %**

Power Factor : **0.71**

Locked Rotor Current : **3.8 Ia/In**

Locked Rotor Torque : **2.3 Ma/Mn**

Break Down Torque : **2.8 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **42 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **4.50 kg**

Bearings : **DS (6201ZZ C3) - NS (6201ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL071M2B

IE3, 0.37 kW, 3000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

0.37 kW



Synchronous Speed

3000 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.37 kW**

Speed : **2830 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **71**

Number of Phases : **3**

Torque : **1.25 Nm**

Number of Poles : **2**

Current : **1.46/0.84 A (D/Y)**

Moment of Inertia : **0.00037 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **76.6 % - 77.0 % - 75.0 %**

Power Factor : **0.82**

Locked Rotor Current : **6.0 Ia/In**

Locked Rotor Torque : **2.8 Ma/Mn**

Break Down Torque : **3.0 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **53 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **6.30 kg**

Bearings : **DS (6202ZZ C3) - NS (6202ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL071M2C

IE3, 0.55 kW, 3000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

0.55 kW



Synchronous Speed

3000 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.55 kW**

Speed : **2830 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **71**

Number of Phases : **3**

Torque : **1.86 Nm**

Number of Poles : **2**

Current : **2.06/1.19 A (D/Y)**

Moment of Inertia : **0.00046 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **79.4 % - 80.2 % - 78.8 %**

Power Factor : **0.84**

Locked Rotor Current : **6.1 Ia/In**

Locked Rotor Torque : **2.9 Ma/Mn**

Break Down Torque : **3.3 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **53 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **7.00 kg**

Bearings : **DS (6202ZZ C3) - NS (6202ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL071M4C

IE3, 0.25 kW, 1500 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

0.25 kW



Synchronous Speed

1500 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.25 kW**

Speed : **1435 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **71**

Number of Phases : **3**

Torque : **1.66 Nm**

Number of Poles : **4**

Current : **1.16/0.67 A (D/Y)**

Moment of Inertia : **0.00082 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **76.0 % - 75.4 % - 71.5 %**

Power Factor : **0.71**

Locked Rotor Current : **5.4 Ia/In**

Locked Rotor Torque : **2.1 Ma/Mn**

Break Down Torque : **2.8 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **45 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **7.10 kg**

Bearings : **DS (6202ZZ C3) - NS (6202ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL071M4D

IE3, 0.37 kW, 1500 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

0.37 kW



Synchronous Speed

1500 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.37 kW**

Speed : **1435 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **71**

Number of Phases : **3**

Torque : **2.46 Nm**

Number of Poles : **4**

Current : **1.68/0.97 A (D/Y)**

Moment of Inertia : **0.00093 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **78.5 % - 78.2 % - 75.0 %**

Power Factor : **0.70**

Locked Rotor Current : **5.5 Ia/In**

Locked Rotor Torque : **2.2 Ma/Mn**

Break Down Torque : **2.9 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **45 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **7.80 kg**

Bearings : **DS (6202ZZ C3) - NS (6202ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL071M6C

IE3, 0.18 kW, 1000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)




B5 Foot Mounted (PA)




B14 Bride (FC)



B14 Foot Mounted (PC)

 Efficiency Class
IE3

 Synchronous Speed
1000 rpm

 Frequency
50 Hz

 Output Power
0.18 kW

 Voltage
230/400 V (D/Y)

 Frame Material
Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.18 kW**

Speed : **930 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **71**

Number of Phases : **3**

Torque : **1.85 Nm**

Number of Poles : **6**

Current : **0.95/0.55 A (D/Y)**

Moment of Inertia : **0.00096 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **68.0 % - 67.4 % - 62.6 %**

Power Factor : **0.69**

Locked Rotor Current : **3.6 Ia/In**

Locked Rotor Torque : **2.0 Ma/Mn**

Break Down Torque : **2.4 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **41 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **6.80 kg**

Bearings : **DS (6202ZZ C3) - NS (6202ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL071M6D

IE3, 0.25 kW, 1000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

0.25 kW



Synchronous Speed

1000 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.25 kW**

Speed : **930 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **71**

Number of Phases : **3**

Torque : **2.57 Nm**

Number of Poles : **6**

Current : **1.33/0.77 A (D/Y)**

Moment of Inertia : **0.00116 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **70.0 % - 69.7 % - 66.0 %**

Power Factor : **0.67**

Locked Rotor Current : **3.6 Ia/In**

Locked Rotor Torque : **2.2 Ma/Mn**

Break Down Torque : **2.5 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **41 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **7.50 kg**

Bearings : **DS (6202ZZ C3) - NS (6202ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL080M2B

IE3, 0.75 kW, 3000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

0.75 kW



Synchronous Speed

3000 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.75 kW**

Speed : **2880 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **80**

Number of Phases : **3**

Torque : **2.49 Nm**

Number of Poles : **2**

Current : **2.75/1.59 A (D/Y)**

Moment of Inertia : **0.00103 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **80.7 % - 82.0 % - 81.5 %**

Power Factor : **0.84**

Locked Rotor Current : **6.7 Ia/In**

Locked Rotor Torque : **3.0 Ma/Mn**

Break Down Torque : **3.6 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **54 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **9.60 kg**

Bearings : **DS (6204ZZ C3) - NS (6204ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL080M2C

IE3, 1.10 kW, 3000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

1.10 kW



Synchronous Speed

3000 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **1.10 kW**

Speed : **2880 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **80**

Number of Phases : **3**

Torque : **3.64 Nm**

Number of Poles : **2**

Current : **3.91/2.26 A (D/Y)**

Moment of Inertia : **0.00124 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **82.7 % - 83.0 % - 82.4 %**

Power Factor : **0.85**

Locked Rotor Current : **6.8 Ia/In**

Locked Rotor Torque : **3.1 Ma/Mn**

Break Down Torque : **3.8 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **54 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **10.9 kg**

Bearings : **DS (6204ZZ C3) - NS (6204ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL080M4C

IE3, 0.55 kW, 1500 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

0.55 kW



Synchronous Speed

1500 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.55 kW**

Speed : **1450 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **80**

Number of Phases : **3**

Torque : **3.62 Nm**

Number of Poles : **4**

Current : **2.32/1.34 A (D/Y)**

Moment of Inertia : **0.00200 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **80.8 % - 80.4 % - 77.0 %**

Power Factor : **0.73**

Locked Rotor Current : **5.9 Ia/In**

Locked Rotor Torque : **2.1 Ma/Mn**

Break Down Torque : **3.0 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **50 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **10.5 kg**

Bearings : **DS (6204ZZ C3) - NS (6204ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL080M4D

IE3, 0.75 kW, 1500 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

0.75 kW



Synchronous Speed

1500 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.75 kW**

Speed : **1450 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **80**

Number of Phases : **3**

Torque : **4.94 Nm**

Number of Poles : **4**

Current : **3.07/1.77 A (D/Y)**

Moment of Inertia : **0.00227 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **82.5 % - 82.3 % - 80.0 %**

Power Factor : **0.74**

Locked Rotor Current : **6.2 Ia/In**

Locked Rotor Torque : **2.5 Ma/Mn**

Break Down Torque : **3.1 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **50 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **11.6 kg**

Bearings : **DS (6204ZZ C3) - NS (6204ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL080M6B

IE3, 0.37 kW, 1000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

0.37 kW



Synchronous Speed

1000 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.37 kW**

Speed : **930 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **80**

Number of Phases : **3**

Torque : **3.80 Nm**

Number of Poles : **6**

Current : **1.78/1.03 A (D/Y)**

Moment of Inertia : **0.00202 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **74.0 % - 73.8 % - 70.0 %**

Power Factor : **0.70**

Locked Rotor Current : **4.4 Ia/In**

Locked Rotor Torque : **2.1 Ma/Mn**

Break Down Torque : **2.6 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **43 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **9.90 kg**

Bearings : **DS (6204ZZ C3) - NS (6204ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL080M6C

IE3, 0.55 kW, 1000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

0.55 kW



Synchronous Speed

1000 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.55 kW**

Speed : **935 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **80**

Number of Phases : **3**

Torque : **5.62 Nm**

Number of Poles : **6**

Current : **2.55/1.47 A (D/Y)**

Moment of Inertia : **0.00228 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **77.2 % - 77.3 % - 74.4 %**

Power Factor : **0.70**

Locked Rotor Current : **4.3 Ia/In**

Locked Rotor Torque : **2.2 Ma/Mn**

Break Down Torque : **2.7 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **43 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **11.0 kg**

Bearings : **DS (6204ZZ C3) - NS (6204ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL090L2C

IE3, 2.20 kW, 3000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

2.20 kW



Synchronous Speed

3000 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **2.20 kW**

Speed : **2900 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **90**

Number of Phases : **3**

Torque : **7.24 Nm**

Number of Poles : **2**

Current : **7.36/4.25 A (D/Y)**

Moment of Inertia : **0.00221 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **85.9 % - 86.8 % - 86.1 %**

Power Factor : **0.87**

Locked Rotor Current : **7.2 Ia/In**

Locked Rotor Torque : **3.0 Ma/Mn**

Break Down Torque : **3.8 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **59 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **17.5 kg**

Bearings : **DS (6205ZZ C3) - NS (6205ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL090L4D

IE3, 1.50 kW, 1500 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

1.50 kW



Synchronous Speed

1500 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **1.50 kW**

Speed : **1445 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **90**

Number of Phases : **3**

Torque : **9.91 Nm**

Number of Poles : **4**

Current : **5.72/3.30 A (D/Y)**

Moment of Inertia : **0.00411 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **85.3 % - 85.2 % - 83.0 %**

Power Factor : **0.77**

Locked Rotor Current : **7.2 Ia/In**

Locked Rotor Torque : **2.8 Ma/Mn**

Break Down Torque : **3.4 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **51 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **18.0 kg**

Bearings : **DS (6205ZZ C3) - NS (6205ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL090L6C

IE3, 1.10 kW, 1000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)




B14 Bride (FC)



B14 Foot Mounted (PC)

 Efficiency Class
IE3

 Synchronous Speed
1000 rpm

 Frequency
50 Hz

 Output Power
1.10 kW

 Voltage
230/400 V (D/Y)

 Frame Material
Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **1.10 kW**

Speed : **940 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **90**

Number of Phases : **3**

Torque : **11.2 Nm**

Number of Poles : **6**

Current : **4.76/2.75 A (D/Y)**

Moment of Inertia : **0.00428 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **81.0 % - 80.8 % - 79.4 %**

Power Factor : **0.71**

Locked Rotor Current : **5.0 Ia/In**

Locked Rotor Torque : **2.2 Ma/Mn**

Break Down Torque : **2.7 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **46 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **16.8 kg**

Bearings : **DS (6205ZZ C3) - NS (6205ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL090S2B

IE3, 1.50 kW, 3000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

1.50 kW



Synchronous Speed

3000 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **1.50 kW**

Speed : **2900 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **90**

Number of Phases : **3**

Torque : **4.94 Nm**

Number of Poles : **2**

Current : **5.14/2.97 A (D/Y)**

Moment of Inertia : **0.00178 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **84.8 % - 85.4 % - 84.2 %**

Power Factor : **0.86**

Locked Rotor Current : **7.6 Ia/In**

Locked Rotor Torque : **3.1 Ma/Mn**

Break Down Torque : **3.9 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **59 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **15.2 kg**

Bearings : **DS (6205ZZ C3) - NS (6205ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL090S4C

IE3, 1.10 kW, 1500 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

1.10 kW



Synchronous Speed

1500 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **1.10 kW**

Speed : **1450 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **90**

Number of Phases : **3**

Torque : **7.25 Nm**

Number of Poles : **4**

Current : **4.35/2.51 A (D/Y)**

Moment of Inertia : **0.00355 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **84.5 % - 84.3 % - 82.0 %**

Power Factor : **0.75**

Locked Rotor Current : **7.0 Ia/In**

Locked Rotor Torque : **2.6 Ma/Mn**

Break Down Torque : **3.4 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **51 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **16.3 kg**

Bearings : **DS (6205ZZ C3) - NS (6205ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL090S6B

IE3, 0.75 kW, 1000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

0.75 kW



Synchronous Speed

1000 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **0.75 kW**

Speed : **945 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **90**

Number of Phases : **3**

Torque : **7.58 Nm**

Number of Poles : **6**

Current : **3.39/1.96 A (D/Y)**

Moment of Inertia : **0.00354 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **78.9 % - 79.2 % - 77.6 %**

Power Factor : **0.70**

Locked Rotor Current : **4.7 Ia/In**

Locked Rotor Torque : **2.2 Ma/Mn**

Break Down Torque : **2.7 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **46 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **16.0 kg**

Bearings : **DS (6205ZZ C3) - NS (6205ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL100L2C

IE3, 3.00 kW, 3000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

3.00 kW



Synchronous Speed

3000 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **3.00 kW**

Speed : **2910 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **100**

Number of Phases : **3**

Torque : **9.85 Nm**

Number of Poles : **2**

Current : **9.66/5.58 A (D/Y)**

Moment of Inertia : **0.00450 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **87.1 % - 87.6 % - 86.9 %**

Power Factor : **0.89**

Locked Rotor Current : **7.9 Ia/In**

Locked Rotor Torque : **3.0 Ma/Mn**

Break Down Torque : **4.1 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **62 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **23.8 kg**

Bearings : **DS (6206ZZ C3) - NS (6206ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL100L4C

IE3, 2.20 kW, 1500 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

2.20 kW



Synchronous Speed

1500 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **2.20 kW**

Speed : **1450 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **100**

Number of Phases : **3**

Torque : **14.5 Nm**

Number of Poles : **4**

Current : **8.05/4.65 A (D/Y)**

Moment of Inertia : **0.00775 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **86.7 % - 87.2 % - 86.0 %**

Power Factor : **0.79**

Locked Rotor Current : **7.2 Ia/In**

Locked Rotor Torque : **2.8 Ma/Mn**

Break Down Torque : **3.6 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **53 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **24.4 kg**

Bearings : **DS (6206ZZ C3) - NS (6206ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL100L4D

IE3, 3.00 kW, 1500 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

3.00 kW



Synchronous Speed

1500 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **3.00 kW**

Speed : **1450 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **100**

Number of Phases : **3**

Torque : **19.8 Nm**

Number of Poles : **4**

Current : **10.8/6.26 A (D/Y)**

Moment of Inertia : **0.00888 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **87.7 % - 88.0 % - 87.0 %**

Power Factor : **0.79**

Locked Rotor Current : **7.2 Ia/In**

Locked Rotor Torque : **2.8 Ma/Mn**

Break Down Torque : **3.6 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **53 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **27.0 kg**

Bearings : **DS (6206ZZ C3) - NS (6206ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL100L6B

IE3, 1.50 kW, 1000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

1.50 kW



Synchronous Speed

1000 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **1.50 kW**

Speed : **955 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **100**

Number of Phases : **3**

Torque : **15.0 Nm**

Number of Poles : **6**

Current : **6.06/3.50 A (D/Y)**

Moment of Inertia : **0.00821 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **82.5 % - 82.7 % - 81.4 %**

Power Factor : **0.75**

Locked Rotor Current : **5.3 Ia/In**

Locked Rotor Torque : **2.1 Ma/Mn**

Break Down Torque : **2.8 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **50 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **22.5 kg**

Bearings : **DS (6206ZZ C3) - NS (6206ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL112M2C

IE3, 4.00 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

4.00 kW



Synchronous Speed

3000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **4.00 kW**

Speed : **2915 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **112**

Number of Phases : **3**

Torque : **13.1 Nm**

Number of Poles : **2**

Current : **7.28/4.20 A (D/Y)**

Moment of Inertia : **0.00618 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **88.1 % - 88.8 % - 88.2 %**

Power Factor : **0.90**

Locked Rotor Current : **7.5 Ia/In**

Locked Rotor Torque : **2.6 Ma/Mn**

Break Down Torque : **3.9 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **65 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **29.4 kg**

Bearings : **DS (6206ZZ C3) - NS (6206ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL112M4D

IE3, 4.00 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

4.00 kW



Synchronous Speed

1500 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **4.00 kW**

Speed : **1460 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **112**

Number of Phases : **3**

Torque : **26.2 Nm**

Number of Poles : **4**

Current : **8.05/4.65 A (D/Y)**

Moment of Inertia : **0.01437 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **88.6 % - 88.4 % - 87.5 %**

Power Factor : **0.81**

Locked Rotor Current : **7.4 Ia/In**

Locked Rotor Torque : **2.8 Ma/Mn**

Break Down Torque : **3.8 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **58 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **32.6 kg**

Bearings : **DS (6206ZZ C3) - NS (6206ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL112M6B

IE3, 2.20 kW, 1000 rpm, 230/400 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

2.20 kW



Synchronous Speed

1000 rpm



Voltage

230/400 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **2.20 kW**

Speed : **960 rpm**

Voltage : **230/400 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **112**

Number of Phases : **3**

Torque : **21.9 Nm**

Number of Poles : **6**

Current : **8.57/4.95 A (D/Y)**

Moment of Inertia : **0.01319 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **84.3 % - 84.5 % - 83.5 %**

Power Factor : **0.76**

Locked Rotor Current : **5.5 Ia/In**

Locked Rotor Torque : **2.2 Ma/Mn**

Break Down Torque : **3.0 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **56 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **29.6 kg**

Bearings : **DS (6206ZZ C3) - NS (6206ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL132M4D

IE3, 7.50 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

7.50 kW



Synchronous Speed

1500 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **7.50 kW**

Speed : **1465 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **132**

Number of Phases : **3**

Torque : **48.9 Nm**

Number of Poles : **4**

Current : **14.8/8.55 A (D/Y)**

Moment of Inertia : **0.03418 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **90.4 % - 90.4 % - 89.4 %**

Power Factor : **0.81**

Locked Rotor Current : **7.8 Ia/In**

Locked Rotor Torque : **3.2 Ma/Mn**

Break Down Torque : **3.4 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **61 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **56.6 kg**

Bearings : **DS (6208ZZ C3) - NS (6208ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL132M6C

IE3, 4.00 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

4.00 kW



Synchronous Speed

1000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **4.00 kW**

Speed : **970 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **132**

Number of Phases : **3**

Torque : **39.4 Nm**

Number of Poles : **6**

Current : **8.52/4.92 A (D/Y)**

Moment of Inertia : **0.03493 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **86.8 % - 87.0 % - 85.5 %**

Power Factor : **0.78**

Locked Rotor Current : **6.2 Ia/In**

Locked Rotor Torque : **2.2 Ma/Mn**

Break Down Torque : **2.9 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **58 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **50.9 kg**

Bearings : **DS (6208ZZ C3) - NS (6208ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL132M6D

IE3, 5.50 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

5.50 kW



Synchronous Speed

1000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **5.50 kW**

Speed : **965 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **132**

Number of Phases : **3**

Torque : **54.4 Nm**

Number of Poles : **6**

Current : **11.6/6.67 A (D/Y)**

Moment of Inertia : **0.03934 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **88.0 % - 88.9 % - 88.5 %**

Power Factor : **0.78**

Locked Rotor Current : **6.2 Ia/In**

Locked Rotor Torque : **2.2 Ma/Mn**

Break Down Torque : **2.8 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **58 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **57.3 kg**

Bearings : **DS (6208ZZ C3) - NS (6208ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL132S2B

IE3, 5.50 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

5.50 kW



Synchronous Speed

3000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **5.50 kW**

Speed : **2945 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **132**

Number of Phases : **3**

Torque : **17.8 Nm**

Number of Poles : **2**

Current : **9.90/5.72 A (D/Y)**

Moment of Inertia : **0.01732 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **89.2 % - 89.0 % - 88.6 %**

Power Factor : **0.90**

Locked Rotor Current : **8.9 Ia/In**

Locked Rotor Torque : **2.9 Ma/Mn**

Break Down Torque : **3.9 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **67 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **45.7 kg**

Bearings : **DS (6208ZZ C3) - NS (6208ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL132S2C

IE3, 7.50 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)




B14 Bride (FC)



B14 Foot Mounted (PC)

 Efficiency Class
IE3

 Synchronous Speed
3000 rpm

 Frequency
50 Hz

 Output Power
7.50 kW

 Voltage
400/690 V (D/Y)

 Frame Material
Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **7.50 kW**

Speed : **2945 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **132**

Number of Phases : **3**

Torque : **24.3 Nm**

Number of Poles : **2**

Current : **13.2/7.62 A (D/Y)**

Moment of Inertia : **0.02104 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **90.1 % - 90.5 % - 89.7 %**

Power Factor : **0.91**

Locked Rotor Current : **8.4 Ia/In**

Locked Rotor Torque : **2.6 Ma/Mn**

Break Down Torque : **4.0 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **67 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **52.0 kg**

Bearings : **DS (6208ZZ C3) - NS (6208ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL132S4C

IE3, 5.50 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

5.50 kW



Synchronous Speed

1500 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **5.50 kW**

Speed : **1465 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **132**

Number of Phases : **3**

Torque : **36.0 Nm**

Number of Poles : **4**

Current : **10.9/6.29 A (D/Y)**

Moment of Inertia : **0.03059 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **89.6 % - 90.2 % - 90.0 %**

Power Factor : **0.81**

Locked Rotor Current : **7.0 Ia/In**

Locked Rotor Torque : **3.0 Ma/Mn**

Break Down Torque : **3.3 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **61 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **53.4 kg**

Bearings : **DS (6208ZZ C3) - NS (6208ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL132S6B

IE3, 3.00 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

3.00 kW



Synchronous Speed

1000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **3.00 kW**

Speed : **970 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **132**

Number of Phases : **3**

Torque : **29.4 Nm**

Number of Poles : **6**

Current : **6.55/3.78 A (D/Y)**

Moment of Inertia : **0.03051 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **85.6 % - 85.5 % - 84.5 %**

Power Factor : **0.77**

Locked Rotor Current : **6.2 Ia/In**

Locked Rotor Torque : **2.1 Ma/Mn**

Break Down Torque : **3.0 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **58 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **46.7 kg**

Bearings : **DS (6208ZZ C3) - NS (6208ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL160L2D

IE3, 18.5 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

18.5 kW



Synchronous Speed

3000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **18.5 kW**

Speed : **2945 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **60.0 Nm**

Number of Poles : **2**

Current : **31.7/18.3 A (D/Y)**

Moment of Inertia : **0.04409 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **92.4 % - 92.7 % - 92.3 %**

Power Factor : **0.91**

Locked Rotor Current : **8.9 Ia/In**

Locked Rotor Torque : **3.1 Ma/Mn**

Break Down Torque : **4.2 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **69 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **95.2 kg**

Bearings : **DS (6309ZZ C3) - NS (6209ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL160L4E

IE3, 15.0 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

15.0 kW



Synchronous Speed

1500 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **15.0 kW**

Speed : **1465 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **97.8 Nm**

Number of Poles : **4**

Current : **28.7/16.6 A (D/Y)**

Moment of Inertia : **0.08579 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **92.1 % - 92.4 % - 91.9 %**

Power Factor : **0.82**

Locked Rotor Current : **7.8 Ia/In**

Locked Rotor Torque : **2.8 Ma/Mn**

Break Down Torque : **3.5 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **63 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **97.5 kg**

Bearings : **DS (6309ZZ C3) - NS (6209ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL160L6E

IE3, 11.0 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)




B14 Bride (FC)



B14 Foot Mounted (PC)

 Efficiency Class
IE3

 Synchronous Speed
1000 rpm

 Frequency
50 Hz

 Output Power
11.0 kW

 Voltage
400/690 V (D/Y)

 Frame Material
Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **11.0 kW**

Speed : **972 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **108 Nm**

Number of Poles : **6**

Current : **23.1/13.3 A (D/Y)**

Moment of Inertia : **0.08580 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **90.3 % - 90.9 % - 90.5 %**

Power Factor : **0.76**

Locked Rotor Current : **6.6 Ia/In**

Locked Rotor Torque : **2.9 Ma/Mn**

Break Down Torque : **3.1 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **62 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **104 kg**

Bearings : **DS (6309ZZ C3) - NS (6209ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL160M2B

IE3, 11.0 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

11.0 kW



Synchronous Speed

3000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **11.0 kW**

Speed : **2950 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **35.6 Nm**

Number of Poles : **2**

Current : **19.7/11.4 A (D/Y)**

Moment of Inertia : **0.03318 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **91.2 % - 91.0 % - 90.5 %**

Power Factor : **0.88**

Locked Rotor Current : **8.5 Ia/In**

Locked Rotor Torque : **2.6 Ma/Mn**

Break Down Torque : **3.9 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **69 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **79.7 kg**

Bearings : **DS (6309ZZ C3) - NS (6209ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL160M2C

IE3, 15.0 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

15.0 kW



Synchronous Speed

3000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **15.0 kW**

Speed : **2950 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **48.6 Nm**

Number of Poles : **2**

Current : **26.5/15.3 A (D/Y)**

Moment of Inertia : **0.03913 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **91.9 % - 92.1 % - 91.6 %**

Power Factor : **0.89**

Locked Rotor Current : **8.9 Ia/In**

Locked Rotor Torque : **3.1 Ma/Mn**

Break Down Torque : **4.2 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **69 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **87.8 kg**

Bearings : **DS (6309ZZ C3) - NS (6209ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL160M4C

IE3, 11.0 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

11.0 kW



Synchronous Speed

1500 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **11.0 kW**

Speed : **1465 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **71.7 Nm**

Number of Poles : **4**

Current : **21.0/12.1 A (D/Y)**

Moment of Inertia : **0.07011 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **91.5 % - 92.1 % - 91.7 %**

Power Factor : **0.83**

Locked Rotor Current : **7.6 Ia/In**

Locked Rotor Torque : **2.8 Ma/Mn**

Break Down Torque : **3.3 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **63 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **89.2 kg**

Bearings : **DS (6309ZZ C3) - NS (6209ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL160M6D

IE3, 7.50 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



B14 Bride (FC)



B14 Foot Mounted (PC)



Efficiency Class

IE3



Output Power

7.50 kW



Synchronous Speed

1000 rpm



Voltage

400/690 V (D/Y)



Frequency

50 Hz



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **7.50 kW**

Speed : **972 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35 / B34 / B14**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **160**

Number of Phases : **3**

Torque : **73.7 Nm**

Number of Poles : **6**

Current : **15.6/8.98 A (D/Y)**

Moment of Inertia : **0.07870 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **89.1 % - 89.4 % - 88.4 %**

Power Factor : **0.78**

Locked Rotor Current : **6.3 Ia/In**

Locked Rotor Torque : **2.6 Ma/Mn**

Break Down Torque : **3.0 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **61 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **96.0 kg**

Bearings : **DS (6309ZZ C3) - NS (6209ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL180L4D

IE3, 22.0 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Aluminum




B3 Foot Mounted (PD)




B5 Bride (FA)



B5 Foot Mounted (PA)

 Efficiency Class
IE3

 Synchronous Speed
1500 rpm

 Frequency
50 Hz

 Output Power
22.0 kW

 Voltage
400/690 V (D/Y)

 Frame Material
Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **22.0 kW**

Speed : **1470 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **180**

Number of Phases : **3**

Torque : **143 Nm**

Number of Poles : **4**

Current : **41.4/23.9 A (D/Y)**

Moment of Inertia : **0.14667 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **93.0 % - 93.7 % - 93.7 %**

Power Factor : **0.82**

Locked Rotor Current : **8.0 Ia/In**

Locked Rotor Torque : **3.0 Ma/Mn**

Break Down Torque : **3.4 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **64 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **141 kg**

Bearings : **DS (6310ZZ C3) - NS (6210ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL180L6E

IE3, 15.0 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)




B5 Bride (FA)



B5 Foot Mounted (PA)

 Efficiency Class
IE3

 Synchronous Speed
1000 rpm

 Frequency
50 Hz

 Output Power
15.0 kW

 Voltage
400/690 V (D/Y)

 Frame Material
Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **15.0 kW**

Speed : **975 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **180**

Number of Phases : **3**

Torque : **147 Nm**

Number of Poles : **6**

Current : **30.8/17.8 A (D/Y)**

Moment of Inertia : **0.15264 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **91.2 % - 91.6 % - 91.0 %**

Power Factor : **0.77**

Locked Rotor Current : **6.7 Ia/In**

Locked Rotor Torque : **2.9 Ma/Mn**

Break Down Torque : **3.1 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **63 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **141 kg**

Bearings : **DS (6310ZZ C3) - NS (6210ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL180M2B

IE3, 22.0 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

3000 rpm



Frequency

50 Hz



Output Power

22.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **22.0 kW**

Speed : **2957 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **180**

Number of Phases : **3**

Torque : **71.1 Nm**

Number of Poles : **2**

Current : **38.1/22.0 A (D/Y)**

Moment of Inertia : **0.06299 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **92.7 % - 92.9 % - 92.0 %**

Power Factor : **0.90**

Locked Rotor Current : **8.6 Ia/In**

Locked Rotor Torque : **3.1 Ma/Mn**

Break Down Torque : **3.9 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **70 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **131 kg**

Bearings : **DS (6310ZZ C3) - NS (6210ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL180M4C

IE3, 18.5 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1500 rpm



Frequency

50 Hz



Output Power

18.5 kW



Voltage

400/690 V (D/Y)



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **18.5 kW**

Speed : **1475 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **180**

Number of Phases : **3**

Torque : **120 Nm**

Number of Poles : **4**

Current : **35.0/20.2 A (D/Y)**

Moment of Inertia : **0.12901 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **92.6 % - 93.2 % - 92.9 %**

Power Factor : **0.82**

Locked Rotor Current : **7.7 Ia/In**

Locked Rotor Torque : **3.0 Ma/Mn**

Break Down Torque : **3.3 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **64 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **128 kg**

Bearings : **DS (6310ZZ C3) - NS (6210ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL200L2B

IE3, 30.0 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

3000 rpm



Frequency

50 Hz



Output Power

30.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **30.0 kW**

Speed : **2965 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **200**

Number of Phases : **3**

Torque : **96.6 Nm**

Number of Poles : **2**

Current : **52.0/30.0 A (D/Y)**

Moment of Inertia : **0.16168 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **93.6 % - 93.8 % - 93.6 %**

Power Factor : **0.89**

Locked Rotor Current : **8.6 Ia/In**

Locked Rotor Torque : **3.2 Ma/Mn**

Break Down Torque : **3.5 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **72 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **181 kg**

Bearings : **DS (6312ZZ C3) - NS (6212ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL200L2C

IE3, 37.0 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

3000 rpm



Frequency

50 Hz



Output Power

37.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **37.0 kW**

Speed : **2965 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **200**

Number of Phases : **3**

Torque : **119 Nm**

Number of Poles : **2**

Current : **63.3/36.5 A (D/Y)**

Moment of Inertia : **0.17458 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **93.7 % - 94.1 % - 93.8 %**

Power Factor : **0.90**

Locked Rotor Current : **8.6 Ia/In**

Locked Rotor Torque : **3.2 Ma/Mn**

Break Down Torque : **3.4 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **72 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **191 kg**

Bearings : **DS (6312ZZ C3) - NS (6212ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL200L4D

IE3, 30.0 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1500 rpm



Frequency

50 Hz



Output Power

30.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **30.0 kW**

Speed : **1475 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **200**

Number of Phases : **3**

Torque : **194 Nm**

Number of Poles : **4**

Current : **54.5/31.5 A (D/Y)**

Moment of Inertia : **0.28413 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **93.6 % - 94.1 % - 94.0 %**

Power Factor : **0.85**

Locked Rotor Current : **8.0 Ia/In**

Locked Rotor Torque : **3.0 Ma/Mn**

Break Down Torque : **3.4 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **65 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **193 kg**

Bearings : **DS (6312ZZ C3) - NS (6212ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL200L6C

IE3, 18.5 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1000 rpm



Frequency

50 Hz



Output Power

18.5 kW



Voltage

400/690 V (D/Y)



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **18.5 kW**

Speed : **977 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **200**

Number of Phases : **3**

Torque : **181 Nm**

Number of Poles : **6**

Current : **36.4/21.0 A (D/Y)**

Moment of Inertia : **0.36100 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **91.7 % - 91.8 % - 91.8 %**

Power Factor : **0.80**

Locked Rotor Current : **6.1 Ia/In**

Locked Rotor Torque : **2.6 Ma/Mn**

Break Down Torque : **2.6 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **64 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **164 kg**

Bearings : **DS (6312ZZ C3) - NS (6212ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL200L6D

IE3, 22.0 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1000 rpm



Frequency

50 Hz



Output Power

22.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **22.0 kW**

Speed : **978 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **200**

Number of Phases : **3**

Torque : **215 Nm**

Number of Poles : **6**

Current : **42.5/24.5 A (D/Y)**

Moment of Inertia : **0.39355 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **92.2 % - 92.9 % - 93.0 %**

Power Factor : **0.81**

Locked Rotor Current : **6.2 Ia/In**

Locked Rotor Torque : **2.6 Ma/Mn**

Break Down Torque : **2.6 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **64 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **180 kg**

Bearings : **DS (6312ZZ C3) - NS (6212ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL225M2C

IE3, 45.0 kW, 3000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

3000 rpm



Frequency

50 Hz



Output Power

45.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **45.0 kW**

Speed : **2970 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **3000 rpm**

Frame Size : **225**

Number of Phases : **3**

Torque : **145 Nm**

Number of Poles : **2**

Current : **76.8/44.3 A (D/Y)**

Moment of Inertia : **0.25353 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **94.0 % - 94.4 % - 94.2 %**

Power Factor : **0.90**

Locked Rotor Current : **8.6 Ia/In**

Locked Rotor Torque : **3.3 Ma/Mn**

Break Down Torque : **3.1 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **74 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **275 kg**

Bearings : **DS (6313ZZ C3) - NS (6213ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL225M4D

IE3, 45.0 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1500 rpm



Frequency

50 Hz



Output Power

45.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **45.0 kW**

Speed : **1477 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **225**

Number of Phases : **3**

Torque : **291 Nm**

Number of Poles : **4**

Current : **80.0/46.2 A (D/Y)**

Moment of Inertia : **0.44100 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **94.2 % - 94.7 % - 94.7 %**

Power Factor : **0.86**

Locked Rotor Current : **8.6 Ia/In**

Locked Rotor Torque : **3.3 Ma/Mn**

Break Down Torque : **3.2 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **67 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **267 kg**

Bearings : **DS (6313ZZ C3) - NS (6213ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL225S4C

IE3, 37.0 kW, 1500 rpm, 400/690 V (D/Y), 50 Hz, Aluminum



B3 Foot Mounted (PD)



B5 Bride (FA)



B5 Foot Mounted (PA)



Efficiency Class

IE3



Synchronous Speed

1500 rpm



Frequency

50 Hz



Output Power

37.0 kW



Voltage

400/690 V (D/Y)



Frame Material

Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **37.0 kW**

Speed : **1478 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1500 rpm**

Frame Size : **225**

Number of Phases : **3**

Torque : **239 Nm**

Number of Poles : **4**

Current : **65.7/37.9 A (D/Y)**

Moment of Inertia : **0.38229 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **93.9 % - 94.5 % - 94.5 %**

Power Factor : **0.87**

Locked Rotor Current : **8.3 Ia/In**

Locked Rotor Torque : **3.2 Ma/Mn**

Break Down Torque : **3.3 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **66 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **238 kg**

Bearings : **DS (6313ZZ C3) - NS (6213ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

3ZL225S6C

IE3, 30.0 kW, 1000 rpm, 400/690 V (D/Y), 50 Hz, Aluminum




B3 Foot Mounted (PD)




B5 Bride (FA)



B5 Foot Mounted (PA)

 Efficiency Class
IE3

 Synchronous Speed
1000 rpm

 Frequency
50 Hz

 Output Power
30.0 kW

 Voltage
400/690 V (D/Y)

 Frame Material
Aluminum

Specifications

Product Categories : **Zone 2-22 (Increased Safety)**

Product Subcategories : **Aluminum Frame**

Output Power : **30.0 kW**

Speed : **985 rpm**

Voltage : **400/690 V (D/Y)**

Frequency : **50 Hz**

Frame Material : **Aluminum**

Structure Shape : **B5 / B3 / B35**

Terminal Box Position : **Top**

Efficiency Class : **IE3**

Synchronous Speed : **1000 rpm**

Frame Size : **225**

Number of Phases : **3**

Torque : **291 Nm**

Number of Poles : **6**

Current : **57.6/33.3 A (D/Y)**

Moment of Inertia : **0.60000 kg.m²**

Load : **4/4 - 3/4 - 1/2**

Efficiency : **92.9 % - 92.9 % - 92.6 %**

Power Factor : **0.81**

Locked Rotor Current : **6.6 Ia/In**

Locked Rotor Torque : **2.9 Ma/Mn**

Break Down Torque : **2.7 Mk/Mn**

Insulation Class : **F (155°C)**

Ambient Temperature : **-20°C +40°C**

Maximum Altitude : **1000 m**

Sound Pressure Level : **65 dB(A)**

Vibration Class : **A**

Duty Cycle : **S1 (Continuous Running Duty)**

Service Factor : **1.00**

Direction of Rotation : **Clockwise**

Motor Weight : **243 kg**

Bearings : **DS (6313ZZ C3) - NS (6213ZZ C3)**

ATEX Classification (Gas) : **II 3G Ex ec IIC T4 Gc**

ATEX Classification (Dust) : **II 3D Ex tc IIIC T140°C Dc**

ATEX Certification
Number : **IEP 23 ATEX 1306X**

PTC : **140°C**

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