

Technical Information

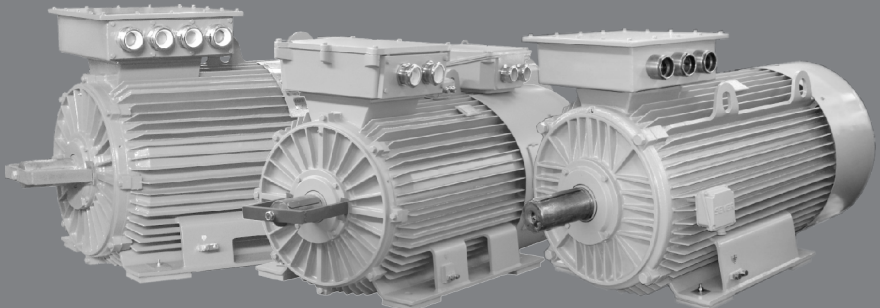


LOW VOLTAGE ELECTRICAL MACHINES

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INCREASED EFFICIENCY MOTORS / class IE2 according to IEC 60034-30



Standard: IEC 60034-1
Rotor type: squirrel cage
Output: 18,5 - 355 kW
Voltage / frequency: 230 - 690 V / 50 Hz, 60 Hz
Frame size: 200 - 355
Number of poles: 2 - 6
Insulation class: F / B
Mechanical protection: IP 55
Cooling: IC 411
Mounting arr.: IM B3, B5, V1
Fixing dimensions: IEC 60072
Designation: ZKE

INCREASED EFFICIENCY MOTORS



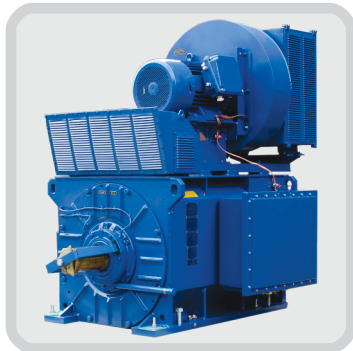
Standard: IEC 60034-1
Rotor type: squirrel cage
Output: 400 - 2.000 kW
Voltage / frequency: 230 - 690 V / 50 Hz, 60 Hz
Frame size: 355 - 710
Number of poles: 2 - 8
Insulation class: F
Mechanical protection: IP 55
Cooling: IC 411, IC 511, IC 611
Mounting arr.: IM B3, IM V1
Fixing dimensions: IEC 60072
Designation: ZKIE, 2.ZKIT

FREQUENCY CONTROLLED MOTORS



Standard: IEC 60034-1
Rotor type: squirrel cage
Output: 18,5 - 2.500 kW
Voltage / frequency: 230 - 690 V / 50 Hz, 60 Hz
Frame size: 200 - 630
Number of poles: 2 - 8
Insulation class: F / B
Mechanical protection: IP 55
Cooling: IC 411
Mounting arr.: IM B3, B5, V1
Fixing dimensions: IEC 60072
Designation: 2.RZKIT

MOTORS FOR OIL PLATFORMS



Standard: IEC 60034-1
Rotor type: squirrel cage
Output: 15 - 1.500 kW
Voltage / frequency: 400 - 690 V / 50 Hz, 60 Hz
Frame size: 200 - 500
Number of poles: 2 - 6
Insulation class: H / B
Mechanical protection: IP 55
Cooling: IC 36
Mounting arr.: IM B3, B5, V1
Fixing dimensions: IEC 60072
Designation: 2.SRZKIT

MOTORS FOR OIL RIGS



Standard: IEC 60034-1, 60079
Rotor type: squirrel cage
Output: 300 kW
Voltage / frequency: 650-690V/ 35,7- 40Hz
Frame size: 280
Number of poles: 4
Insulation class: H
Mechanical protection: IP23-IP44/IP55
Cooling: IC06
Mounting arr.: IM V1
Fixing dimensions: Special
Designation: 2.SKRZKT

WOUND-ROTOR MOTORS / crane and general purpose



Standard: IEC 60034-1
Rotor type: wound-rotor (slip-ring)
Output: 8,5 - 1.100 kW
Voltage / frequency: 230 - 690 V / 50 Hz, 60 Hz
Frame size: 200 - 560
Number of poles: 2 - 10
Insulation class: F
Mechanical protection: IP 55
Cooling: IC 411 // IC 411, IC 511, IC 611
Mounting arr.: IM B3, V1
Fixing dimensions: IEC 60072, SEB 841, DIN 42681/ IEC 60072
Designation: [2]ZPD // 2.ZPDI// 2.ZPDI ...ic6

MARINE MOTORS / cage-rotor



Standard: IEC 60034-1
Rotor type: squirrel cage
Output: 18,5 - 1.720 kW
Voltage / frequency: 230 - 690 V / 50 Hz, 60 Hz
Frame size: 200 - 500
Number of poles: 2 - 8
Insulation class: F
Mechanical protection: IP 55, IP23
Cooling: IC 411, IC 01
Mounting arr.: IM B3, V1
Fixing dimensions: IEC 60072
Designation: 1.BZK, BOK, 2.BOK, BPOK, 2.BPOK, 2.BOKIT, 2.BPOKIT

MARINE MOTORS / wound-rotor



Standard: IEC 60034-1
Rotor type: wound-rotor (slip-ring)
Output: 55 - 1.000 kW
Voltage / frequency: 230 - 690 V / 50 Hz, 60 Hz
Frame size: 225 - 400
Number of poles: 4 - 6
Insulation class: F
Mechanical protection: IP 23
Cooling: IC 01
Mounting arr.: IM B3, V1
Fixing dimensions: IEC 60072
Designation: BOP, 2.BOP, BPOP, 2.BOPI

MOTORS FOR EXCAVATORS, TRANSPORTERS AND SPREADERS ON OPEN PIT MININGS



Standard: IEC 60034-1
Rotor type: squirrel cage
Output: 22 - 1.450 kW
Voltage / frequency: 380 - 690 V / 50 Hz, 60 Hz
Frame size: 200 - 710
Number of poles: 2 - 6
Insulation class: F / B
Mechanical protection: IP 55
Cooling: IC 411
Mounting arr.: IM B3, B5, V1
Fixing dimensions: IEC 60072
Designation: 2.ZKIT (1.ZKT)

MOTORS FOR NUCLEAR POWER PLANTS



Standard: IEC 60034-1
Rotor type: squirrel cage
Output: 18,5 - 200 kW
Voltage / frequency: 380 - 690 V / 50 Hz, 60 Hz
Frame size: 180 - 315
Number of poles: 2 - 6
Insulation class: F / B
Mechanical protection: IP 55
Cooling: IC 411
Mounting arr.: IM B3, B5, V1
Fixing dimensions: IEC 60072
Designation: 1.ZKT (2.ZKT, 2.ZKIT)

MOTORS WITH HEAT EXCHANGER / COOLING - IC 611



Standard: IEC 60034-1
Rotor type: squirrel cage
Output: 400 - 2.500 kW
Voltage / frequency: 690 V / 50 Hz
Frame size: 400 - 630
Number of poles: -
Insulation class: F / B
Mechanical protection: IP 55
Cooling: IC 611
Mounting arr.: IM B3, B5, V1
Fixing dimensions: IEC 60072
Designation: 2.RZKIT ...ic6

MOTOR INTERNALS FOR SUBMERGED PUMPS



Standard: IEC 60034-1
Rotor type: squirrel cage
Output: 18,5 - 800 kW
Voltage / frequency: 400 - 690 V / 50 Hz, 60 Hz
Frame size: 225 - 400
Number of poles: 4 - 12
Insulation class: F / B
Mechanical protection: IP 55
Cooling: IC 411
Mounting arr.: IM B3, B5, V1
Fixing dimensions: IEC 60072
Designation: 1.RLKUIT

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