



VEM  MOTOR

Three-phase motors for marine use

Contents

| | |
|----------------------------------|------|
| Product description | 11/2 |
| Overview of technical data | 11/7 |

Motor selection data

| | |
|--|-------|
| Series K.../W4.. for Premium Efficiency IE3 | 11/8 |
| Series K.../WE.. for High Efficiency IE2 | 11/12 |
| Series K..., (corresponds to Standard Efficiency IE1) | 11/20 |

Bearings

Identical to bearings of standard motors,
see Chapter 2

| | |
|----------------------|-------|
| Terminal boxes | 11/28 |
|----------------------|-------|

Dimensions

Identical to dimension of standard motors,
see Chapter 2

Product description

The design and approval regulations of the classification societies must be observed at all stages of the design, manufacturing and testing of motors for marine use. The granting of a TYPE APPROVAL CERTIFICATE by the given classification society is a prerequisite for permission to manufacture the products to be supplied. When applying for such approval, the manufacturer must demonstrate the

suitability of the product by way of test, verification and material certificates. Testing, approval, certification and delivery are subject to the applicable test and approval regulations and supervised either by the internal quality management department or an inspector appointed by the classification society. Motors are designed according to the planned place of installation:

Operation on deck

Motors for “operation on deck” are offered as type series K10W or K11W for sizes 112–180, and KPO or KPEO for sizes 56–100. They are designed without an external fan and meet the specifications for degree of protection IP 56. As the motors possess no external fan, and

cooling is thus only by way of heat radiation, the outputs in continuous operation are reduced by approx. 30 to 40 % compared to the basic series. The relevant electrical data can be supplied upon request. Alternatively, details are also to be found in the electronic catalogue VEMeKAT.

Operation under deck

Motors for “operation under deck” are designed with a degree of protection matched to the intended place of installation:

- IP 55 for general use, e.g. in engine rooms.
- IP 56 for use in rooms where water splashing or gushes are to be expected.

Standards and regulations

Motors for marine use are manufactured to comply with the requirements of the classification societies

| | |
|--------|---|
| ABS | American Bureau of Shipping, USA |
| BV | Bureau Veritas, France |
| CCS | China Classification Society, China |
| GL | Germanischer Lloyd, Germany |
| DNV | Det Norske Veritas, Norway |
| DNV-GL | Det Norske Veritas-Germanischer Lloyd, Norway/Germany |
| LRS | Lloyds Register of Shipping, Great Britain |

| | |
|------|---------------------------------------|
| PRS | Polski Rejestr Statkow, Poland |
| RINA | REGISTRO ITALIANO NAVALE, Italy |
| RS | Maritime Register of Shipping, Russia |

The classification societies divide main and auxiliary machines for on-board use into “essential services” and “non-essential services”. This assignment is important regarding the scope of prescribed spare parts and the question as to whether certain motors are to be subject to approval and supervision procedures.

Drives for essential services

Manufacturing in accordance with the relevant classification rules. A type approval certificate is the basic requirement up to a limit output specified by the individual classification society. For higher outputs, individual approval is required. Some classification societies also demand the supervision of

construction from a certain output.

Type 3.1 inspection certificate in accordance with EN 10204
Type 3.2 inspection certificate in accordance with EN 10204 only for certain classification societies and from a specified limit output.

Drives for non-essential services

Manufacturing in accordance with the relevant classification rules. A type approval certificate is not required and individual approval procedures only apply for motors with certification. Type 3.1 inspection certificate in accordance with EN 10204 only for motors with certification.

Technical data

Output data can be found in the motor selection tables. If a marine application requires compliance with additional regulations, e.g. gas or dust explosion protection, a corresponding motor series must be chosen.

Dimensions and types of construction

The mounting dimensions correspond to those of the basic version of series KPR/K10R or KPER/K11R, WE.R and W4.R.

Motors are available in construction types IM B3, IM B35, IM V1 and IM B5, subject to the restrictions which apply for the basic version.

Rated voltages and frequencies

Motors are available in the basic version for the following operating voltages and frequencies:

380 V, 50 Hz
400 V, 50 Hz
440 V, 60 Hz
460 V, 60 Hz

Deviating voltages and frequencies can be supplied upon request. Motors operating outside the output, voltage and/or speed ranges indicated in this special catalogue are similarly available upon request.

Overload

The motors comply with the following requirements of the classification societies named in the selection tables:

| | |
|-----|---|
| ABS | No special requirements |
| BV | 160% rated torque for 15 s |
| GL | 160% rated torque for 15 s. The breakdown torque must not be reached. |
| RS | 200% rated torque for 15 s. The breakdown torque must not be reached. |

| | |
|--------------|---|
| LRS | as BV |
| DNV, DNV-GL | 160% rated torque for 15 s at rated frequency and rated voltage |
| IEC/EN 60034 | 150% rated current at rated voltage for 2 min. |

The rated current is specified in the selection tables for the rated voltages 380 and 400 V as well as 440, 460 and 480 V.

Approval, construction supervision and certificates

VEM motors GmbH has obtained TYPE APPROVAL CERTIFICATES from the following classification societies:

Bureau Veritas
China Classification Society
Det Norske Veritas
Germanischer Lloyd
DNV-GL
Lloyd's Register of Shipping
Russian Maritime Register of Shipping.

Copies of the certificates can be found on the company website at <http://www.vem-group.com> under the section "Downloads", sub-section "Classifications", topic "Marine

motors". The original documents are made available as PDF files. They are covered by the revision service and are thus always up to date. Motors for marine use in compliance with the requirements of further classification societies, for example ABS, RINA, Polski Rejestr Statkow and others, can be supplied upon request.

Certificates issued by Det Norske Veritas and Germanischer Lloyd remain valid until their specified date of expiry. Thereafter, the new DNV GL regulations apply.

Below, we have gathered a brief overview of the specific design and approval regulations of the individual classification societies:

Motors with protection against seawater according to "Bureau Veritas" <http://www.veristar.com>

| | |
|---|--|
| Coolant temperature | 45 °C |
| Thermal class | 155 [F] |
| Temperature-rise limit of the winding | 95 K |
| Individual approval for essential drives | > 100 kW |
| Construction supervision for essential drives | - |
| Approval mark stamped on the motor housing. | |
| Rating plate | Marking in English and French; coolant temperature 45 °C or separately agreed coolant temperature; marking "MV acc. to BV". |



DNV GL – Business Assurance, Essen

Motors with protection against seawater according to “Germanischer Lloyd” *)
<http://www.gl-group.com/infoServices/rules/pdfs/glrp-e.pdf>



| | |
|---|--|
| Coolant temperature | 45 °C |
| Thermal class | 155 [F] |
| Temperature-rise limit of the winding | 100 K |
| Bearing temperature for antifriction bearings | 75K |
| Individual approval for essential drives | ≥ 50 kW for essential services |
| Construction supervision for essential drives | - |
| Rating plate | Marking in German and English; coolant temperature 45 °C or separately agreed coolant temperature; marking “SS nach GL”. |

VEM motors GmbH Wernigerode is entitled to perform testing according to the rules of Germanischer Lloyd under its own responsibility. All certificates issued on this basis are verified by Germanischer Lloyd and confirmed by signature before final approval.

DNV GL – Business Assurance, Essen

Motors with protection against seawater according to “Det Norske Veritas” *)
<http://exchange.dnv.com/servicedocuments/dnv/dnvrulesforclassificationofships>



| | |
|---|---|
| Coolant temperature | 45 °C |
| Thermal class | 155 [F] |
| Temperature-rise limit of the winding | 100 K |
| Shaft steel | S355J2G3 with type 3.1 manufacturer’s certificate from a DNV approved manufacturer |
| Individual approval for essential drives | < 100 kW with manufacturer’s certificate; from 100 kW to < 300 kW DNV approval for shaft manufacturer and manufacturer’s certificate; 300 kW DNV approval |
| Construction supervision for essential drives | - |
| Rating plate | Marking in English and French; coolant temperature 45 °C or separately agreed coolant temperature, marking „MV acc. to DNV“ |

Following text in the type 3.1 manufacturer’s certificate: “DNV Rules for Ships, HSLC & MOU, TAC E-6737”

***) to be replaced by**

DNV GL Rules for Classification of Ships dated 28th October 2015

<http://exchange.dnv.com/servicedocuments/dnvgi/dnvglrulesforclassification>



| | |
|--|---|
| Coolant temperature | 45 °C |
| Thermal class | 155 [F] |
| Temperature-rise limit of the winding | 100 K |
| Shaft steel | S355J2G3 with type 3.1 manufacturer’s certificate from a DNV approved manufacturer |
| Individual approval for essential drives: | <100 kW with manufacturer’s certificate; > 100 kW to <300 kW DNV approval for shaft manufacturer and manufacturer’s certificate; approval required from 300 kW |
| Construction supervision for essential drives: | - |
| Rating plate | Marking in English and French; coolant temperature 45 °C or separately agreed coolant temperature; marking “MV acc. to DNV GL”. |

Following text in the type 3.1 manufacturer’s certificate: “DNV GL Rules for Ships”

Motors with protection against seawater according to “Lloyd’s Register of Shipping”
<http://www.lr.org/code/home.htm>



| | |
|---|---|
| Coolant temperature | 45 °C |
| Thermal class | 155 [F] |
| Temperature-rise limit of the winding | 95 K |
| Shaft steel | from a manufacturer approved by LROS |
| Individual approval for essential drives | ≥ 100 kW |
| Construction supervision for essential drives | ≥ 100 kW |
| Rating plate | Marking in English and French; coolant temperature 45 °C or separately agreed coolant temperature; marking “MV acc. to LROS”. |

Motors with protection against seawater according to “Russian Maritime Register of Shipping”
<http://www.rs-head.spb.ru>



| | |
|---|---------|
| Ambient temperature | 45 °C |
| Thermal class | 155 [F] |
| Temperature-rise limit of the winding | 105 K |
| Individual approval for essential drives | > 55 kW |
| Construction supervision for essential drives | - |

The Russian Maritime Register of Shipping has authorised the quality management department of VEM motors GmbH Wernigerode to perform motor approval inspections on the basis of the Agreement on Supervision No. 99.204.272 and the existing type approval certificate. The inspection certificates must be submitted to the Russian Maritime Register of Shipping for confirmation.

| | |
|--------------|--|
| Rating plate | Marking in English and Russian; coolant temperature 45 °C or separately agreed coolant temperature; marking “MV acc. to RS”. |
|--------------|--|

Motors with protection against seawater according to “China Classification Society”
<http://www.ccs.org.cn>



| | |
|---|--|
| Coolant temperature | 45 °C |
| Thermal class | 155 [F] |
| Temperature-rise limit of the winding | 105 K for motors ≥ 600 W and for self-ventilated motors (IC 410); 100 K for motors above 600 W |
| Shaft steel | CCS approval required for propulsion motors and drives (where the shaft is part of the drive) |
| Individual approval for essential drives | > 50 kW for essential services |
| Construction supervision for essential drives | - |
| Rating plate | Marking in English and French; coolant temperature 45 °C or separately agreed coolant temperature; marking “MV acc. to CCS”. |

Motors with protection against seawater according to “American Bureau of Shipping”
<http://www.eagle.org>



| | |
|---|---|
| Coolant temperature | 50 °C for engine rooms 45 °C for all other places of installation |
| Thermal class | 155 [F] |
| Temperature-rise limit of the winding | 95 K |
| Individual approval for essential drives | ≥ 100 kW |
| Construction supervision for essential drives | ≥ 100 kW |
| Rating plate | Marking in German and English; Ambient temperature 45 °C or separately agreed coolant temperature; marking “MV acc. to ABS” |

Verification has been granted for the drawings of motors up to an output of > 100 kW; in case of higher outputs, separate drawing verification is required for the individual motor. The following information is required for drawing verification and must be provided by the customer when placing the order:

- Contracted shipyard, name, address
- ABS construction no. or name of the vessel
- Drive purpose of the motor

Motors with protection against seawater according to “Polski Rejestr Statkow”

<http://www.prs.pl>

Individual approval through “Germanischer Lloyd” where appropriate

| | |
|---|--|
| Ambient temperature | 45 °C |
| Thermal class | 155 [F] |
| Temperature-rise limit of the winding | 95 K |
| Individual approval for essential drives | ≥ 50 |
| Construction supervision for essential drives | - |
| Rating plate | Marking in German and English; Ambient temperature 45 °C or separately agreed coolant temperature; marking “MV acc. to PRS”. |



Motors with protection against seawater according to “REGISTRO ITALIANO NAVALE”

<http://www.rina.org>

Individual approval through “Germanischer Lloyd” where appropriate

| | |
|---|---|
| Ambient temperature | 45 °C |
| Thermal class | 155 [F] |
| Temperature-rise limit of the winding | 95 K |
| Individual approval for essential drives | ≥ 50 kW |
| Construction supervision for essential drives | - |
| Rating plate | Marking in German and English; Ambient temperature 45 °C or separately agreed coolant temperature; marking “MV acc. to RINA”. |



Overview of technical data

The most important technical data are summarised in the following table. Further information can be taken from the catalogue section Introduction, chapter 1.

| | |
|--|---|
| Product group | Squirrel-cage rotor, IEC/EN |
| Classification societies | DNV ^{*)} , GL ^{*)} , DNV GL, BV, LRS, RS, RINA, CCS, ABS, PRS |
| Rated output | 0.06 to 500 kW (IE1, IE2 and IE3 versions with 2, 4, 6 and 8 poles) |
| Sizes | 56 to 355 |
| Housing material | Grey cast iron |
| Rated torque | 0.4 to 5800 Nm |
| Efficiency classification/ efficiency determination | IEC/EN 60034-30-1 / IEC/EN 60034-2-1, ≤ 1 kW direct measurement, > 1 kW residual loss method |
| Method of connection | Single-speed motors are designed in star-delta configuration as standard. |
| Stator winding insulation | Thermal class 155, optional 155 [F(B)], 180 to IEC/EN 60034-1 |
| Degree of protection | IP 55 to IEC/EN 60034-5 |
| Type of cooling | IC 411, IC 416, IC 71W (IC 31W) to IEC/EN 60034-6 |
| Coolant temperature/ installation altitude | Standard -20 °C to +40 °C, Altitude 1000 m above sea level |
| Rated voltage | Standard voltages to EN 60038 50 Hz: 230 V, 400 V, 500 V, 690 V 60 Hz: 275 V, 460 V, 480 V, 600 V Voltage ranges A and B to IEC/EN 60034-1 (Prior consultation necessary regarding 230 V, 50 Hz and 275 V, 60 Hz for motors from size 315) |
| Duty types | S1, continuous duty, Short-time duty S2, 10/30/60 min Duty type S3/S6, 25/40/60 % c.d.f. |
| Types of construction | IM B3, IM B35, IM B5 and derived types to IEC/EN 60034-7 |
| Paint finish | Normal finish "Moderate", colour RAL 7031, blue-grey Special finish "Worldwide", colour RAL 7031, blue-grey |
| Vibration severity grade | Grade "A" as standard for machines with no special vibration requirements |
| Shaft ends | to DIN 748 (IEC 60072), balanced with half-key |
| Limit speeds | Please refer to the section of "Limit speeds" in catalogue section "Motors for converter-fed operation", Chapter 4. |
| Bearing design | Please refer to the tables of "Bearing design data" in catalogue section „Standand motors“, Chapter 2. |
| Motor mass | Please refer to the technical selection lists. |
| Terminal boxes | Please refer to the section "Terminal boxes". |
| Documentation | An operating and maintenance manual, a terminal plan and a safety data sheet are supplied with each motor. |
| Tolerances | Please refer to the section "Tolerances" in catalogue section "Introduction", Chapter 1. |
| Options | Please refer to the section "Overview of modifications" in catalogue section "Introduction", Chapter 1. |

^{*)} to be replaced by DNV GL Rules for Classification of Ships dated 28th October 2015

Motor selection data

Three-phase motors with squirrel-cage rotor for marine use, Premium Efficiency IE3

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 50 Hz

| Motor selection data | | | | | | | | | | | | | Design point 400 V, 50 Hz | | | |
|--|-------------------|----------------|----------------|----------------|----------------|------|------|-------------------|----------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------|------|--|
| Type | Type | P _B | M _B | n _B | η _B | | | cosφ _B | I _B | I _A /I _B | M _A /M _B | M _S /M _B | M _K /M _B | J | m | |
| GL | DNV, RS, LR | | | | (EN 60034-2-1) | | | | 400 V | | | | | | | |
| DNV-GL | BV, ABS, CCS | | | | | | | | | | | | | | | |
| RS (KP.. only) | | kW | Nm | rpm | 100% | 75% | 50% | - | A | - | - | - | - | kgm ² | kg | |
| Synchronous 3000 rpm – 2-pole version | | | | | | | | | | | | | | | | |
| IE3-KPR 56 G2 | KPR 56 G2 IE3 | 0.12 | 0.4 | 2830 | IE3- 60.8 | 59.4 | 55.9 | 0.77 | 0.31 | 4.5 | 2.1 | 2.1 | 2.3 | 0.00013 | 4.5 | |
| IE3-KPR 63 K2 | KPR 63 K2 IE3 | 0.18 | 0.61 | 2840 | IE3- 65.9 | 64.6 | 59.8 | 0.84 | 0.44 | 5.5 | 2.5 | 2.4 | 2.9 | 0.00025 | 6.3 | |
| IE3-KPR 63 G2 | KPR 63 G2 IE3 | 0.25 | 0.85 | 2825 | IE3- 69.7 | 70.1 | 67.1 | 0.83 | 0.55 | 4.9 | 2.4 | 2.2 | 2.7 | 0.00025 | 6.3 | |
| IE3-KPR 71 K2 | KPR 71 K2 IE3 | 0.37 | 1.24 | 2860 | IE3- 73.8 | 71.7 | 70.3 | 0.87 | 0.78 | 7.1 | 2.9 | 2.7 | 3.1 | 0.00057 | 10.0 | |
| IE3-KPR 71 G2 | KPR 71 G2 IE3 | 0.55 | 1.83 | 2870 | IE3- 77.8 | 77.4 | 74.5 | 0.86 | 1.14 | 7.4 | 3.0 | 2.7 | 3.3 | 0.00072 | 11.2 | |
| IE3-KPR 80 K2 | KPR 80 K2 IE3 | 0.75 | 2.49 | 2875 | IE3- 80.7 | 82.7 | 80.7 | 0.89 | 1.48 | 7.7 | 2.2 | 2.1 | 2.7 | 0.00132 | 15.0 | |
| IE3-KPR 80 G2 | KPR 80 G2 IE3 | 1.1 | 3.64 | 2885 | IE3- 82.7 | 82.1 | 81.3 | 0.89 | 2.15 | 7.8 | 2.5 | 2.3 | 2.8 | 0.0017 | 18.0 | |
| IE3-KPR 90 S2 | KPR 90 S2 IE3 | 1.5 | 4.92 | 2910 | IE3- 84.2 | 86.6 | 84.5 | 0.86 | 2.9 | 9.1 | 3.0 | 2.7 | 3.7 | 0.00275 | 23.5 | |
| IE3-KPR 90 L2 | KPR 90 L2 IE3 | 2.2 | 7.23 | 2905 | IE3- 85.9 | 87.7 | 86.0 | 0.89 | 4.05 | 8.6 | 2.7 | 2.3 | 3.7 | 0.00333 | 29.0 | |
| IE3-KPR 100 L2 | KPR 100 L2 IE3 | 3.0 | 9.74 | 2940 | IE3- 87.1 | 86.4 | 83.5 | 0.8 | 6.2 | 10.1 | 3.3 | 2.9 | 4.8 | 0.0055 | 38.0 | |
| IE3-KPER 112 M2 | KPER 112 M2 IE3 | 4.0 | 13.0 | 2930 | IE3- 88.1 | 89.3 | 88.1 | 0.85 | 7.6 | 9.0 | 2.7 | 2.4 | 3.7 | 0.0068 | 46.0 | |
| IE3-KPR 112 M2 | KPR 112 M2 IE3 | 4.0 | 13.0 | 2930 | IE3- 89.2 | 89.2 | 88.9 | 0.87 | 7.4 | 6.9 | 1.5 | 1.2 | 2.9 | 0.011 | 60.0 | |
| IE3-KPER 132 S2 | KPER 132 S2 IE3 | 5.5 | 17.9 | 2935 | IE3- 89.2 | 87.5 | 85.1 | 0.80 | 11.2 | 9.1 | 2.8 | 2.2 | 4 | 0.011 | 65.0 | |
| IE3-W41R 132 SX2 | K11R 132 SX2 IE3 | 7.5 | 24.0 | 2925 | IE3- 90.1 | 89.4 | 87.9 | 0.87 | 14.0 | 8.0 | 2.5 | 2.1 | 3.3 | 0.0168 | 75 | |
| IE3-W41R 160 M2 | K11R 160 M2 IE3 | 11 | 36.0 | 2950 | IE3- 91.4 | 91.7 | 90.5 | 0.90 | 19.5 | 8.0 | 2.2 | 1.8 | 3.2 | 0.0575 | 125 | |
| IE3-W41R 160 MX2 | K11R 160 MX2 IE3 | 15 | 49.0 | 2950 | IE3- 91.9 | 92.0 | 91.3 | 0.91 | 26.0 | 7.9 | 2.2 | 1.7 | 3.1 | 0.0675 | 145 | |
| IE3-W41R 160 L2 | K11R 160 L2 IE3 | 18.5 | 60.0 | 2960 | IE3- 92.4 | 92.5 | 91.4 | 0.90 | 32.0 | 9.2 | 2.6 | 2.1 | 3.6 | 0.078 | 160 | |
| IE3-W41R 180 M2C | K11R 180 M2C IE3 | 22 | 71 | 2975 | IE3- 92.7 | 92.6 | 91.5 | 0.91 | 37.5 | 8.9 | 1.9 | 1.4 | 3.3 | 0.1717 | 214 | |
| IE3-W41R 200 L2 | K11R 200 L2 IE3 | 30 | 97 | 2965 | IE3- 93.3 | 92.2 | 90.6 | 0.88 | 52.5 | 8.6 | 2.1 | 1.6 | 3.3 | 0.36 | 305 | |
| IE3-W41R 200 LX2C | K11R 200 LX2C IE3 | 37 | 119 | 2930 | IE3- 93.7 | 92.9 | 91.7 | 0.89 | 64.0 | 8.7 | 1.7 | 1.3 | 3.2 | 0.4757 | 310 | |
| IE3-W41R 225 M2 | K11R 225 M2 IE3 | 45 | 145 | 2960 | IE3- 94.0 | 93.7 | 93.0 | 0.89 | 77.5 | 8.8 | 2.3 | 1.9 | 3.2 | 0.375 | 375 | |
| IE3-W41R 250 M2 | K11R 250 M2 IE3 | 55 | 177 | 2970 | IE3- 94.6 | 94.4 | 93.6 | 0.91 | 92 | 8.9 | 2.2 | 1.9 | 3.2 | 0.65 | 510 | |
| IE3-W41R 280 S2 | K11R 280 S2 IE3 | 75 | 241 | 2967 | IE3- 94.7 | 94.5 | 93.9 | 0.89 | 128 | 8.1 | 1.9 | 1.9 | 2.8 | 0.65 | 500 | |
| IE3-W41R 280 M2 | K11R 280 M2 IE3 | 90 | 289 | 2970 | IE3- 95 | 94.5 | 94 | 0.90 | 152 | 8.4 | 2.2 | | 3.1 | 0.675 | 545 | |
| IE3-W41R 315 S2 | K11R 315 S2 IE3 | 110 | 354 | 2970 | IE3- 95.2 | 94.5 | 93.5 | 0.89 | 187 | 10.0 | 1.9 | 1.7 | 3.0 | 1.21 | 750 | |
| IE3-W41R 315 M2 | K11R 315 M2 IE3 | 132 | 423 | 2980 | IE3- 95.4 | 95.0 | 94.5 | 0.89 | 224 | 10.0 | 2.0 | 1.8 | 3.0 | 1.44 | 815 | |
| IE3-W41R 315 MX2 | K11R 315 MX2 IE3 | 160 | 513 | 2980 | IE3- 95.7 | 95.7 | 95.0 | 0.9 | 268 | 8.5 | 2.3 | 1.7 | 2.6 | 2.37 | 1095 | |
| IE3-W41R 315 MY2 | K11R 315 MY2 IE3 | 200 | 641 | 2980 | IE3- 95.8 | 95.9 | 95.5 | 0.91 | 331 | 8.3 | 2.6 | 1.6 | 2.4 | 2.82 | 1200 | |
| IE3-W41R 315 L2 | K11R 315 L2 IE3 | 250 | 800 | 2985 | IE3- 95.8 | 96.0 | 95.9 | 0.93 | 405 | 9.0 | 2.3 | 1.2 | 2.3 | 3.66 | 1460 | |
| IE3-W41R 315 LX2 | K11R 315 LX2 IE3 | 315 | 1008 | 2985 | IE3- 95.8 | 95.8 | 95.8 | 0.92 | 516 | 8.5 | 2.8 | 1.6 | 2.5 | 4.43 | 1700 | |
| IE3-W41R 355 M2 | K22R 355 M2 IE3 | 355 | 1136 | 2985 | IE3- 96.0 | 96.0 | 96.0 | 0.92 | 580 | 7.7 | 1.9 | 1.5 | 3.8 | 4.20 | 2000 | |
| Synchronous 1500 rpm – 4-pole version | | | | | | | | | | | | | | | | |
| IE3-KPER 63 K4 | KPER 63 K4 IE3 | 0.12 | 0.84 | 1365 | IE3- 64.8 | 64.5 | 59.7 | 0.72 | 0.35 | 3.2 | 1.9 | 1.8 | 2.2 | 0.00024 | 5.2 | |
| IE3-KPR 63 G4 | KPR 63 G4 IE3 | 0.18 | 1.21 | 1415 | IE3- 69.9 | 67.2 | 61.2 | 0.67 | 0.57 | 4.4 | 1.8 | 1.8 | 2.7 | 0.0005 | 7.1 | |
| IE3-KPR 71 K4 | KPR 71 K4 IE3 | 0.25 | 1.67 | 1430 | IE3- 73.5 | 73.1 | 69.6 | 0.71 | 0.66 | 5.6 | 2.5 | 2.3 | 2.9 | 0.00087 | 9.9 | |
| IE3-KPR 71 G4 | KPR 71 G4 IE3 | 0.37 | 2.5 | 1430 | IE3- 77.3 | 78.2 | 73.1 | 0.69 | 0.98 | 6.2 | 2.8 | 2.6 | 3.2 | 0.00107 | 11.0 | |
| IE3-KPR 80 K4 | KPR 80 K4 IE3 | 0.55 | 3.67 | 1430 | IE3- 80.8 | 81.0 | 80.1 | 0.80 | 1.25 | 6.0 | 2.4 | 2.3 | 2.7 | 0.00207 | 14.5 | |
| IE3-KPR 80 GX4 | KPR 80 GX4 IE3 | 0.75 | 5 | 1440 | IE3- 82.5 | 82.3 | 79.6 | 0.74 | 1.75 | 7.1 | 3.4 | 3.3 | 4.2 | 0.0028 | 17.5 | |
| IE3-KPR 90 S4 | KPR 90 S4 IE3 | 1.1 | 7.24 | 1450 | IE3- 84.1 | 83.5 | 80.0 | 0.74 | 2.55 | 8.0 | 3.6 | 3.5 | 4.2 | 0.0045 | 28.0 | |
| IE3-KPR 90 LX4 | KPR 90 LX4 IE3 | 1.5 | 9.85 | 1455 | IE3- 85.3 | 84.5 | 81.7 | 0.73 | 3.45 | 9.5 | 4.5 | 3.8 | 4.9 | 0.0058 | 31.0 | |
| IE3-KPR 100 L4 | KPR 100 L4 IE3 | 2.2 | 14.49 | 1455 | IE3- 86.7 | 87.0 | 85.1 | 0.81 | 4.55 | 8.2 | 2.9 | 2.7 | 3.8 | 0.011 | 45.0 | |
| IE3-KPR 100 LZ4 | KPR 100 LZ4 IE3 | 3.0 | 19.7 | 1455 | IE3- 87.7 | 87.6 | 86.1 | 0.77 | 6.4 | 8.6 | 3.2 | 3.1 | 4.1 | 0.013 | 50.0 | |
| IE3-KPR 112 M4 | KPR 112 M4 IE3 | 4.0 | 26.1 | 1465 | IE3- 88.6 | 88.3 | 86.2 | 0.83 | 7.9 | 10.2 | 3.2 | 2.9 | 5 | 0.02 | 65.0 | |
| IE3-W41R 132 S4 | K11R 132 S4 IE3 | 5.5 | 35 | 1480 | IE3- 91.0 | 90.2 | 87.8 | 0.73 | 12.0 | 9.9 | 3.4 | 2.8 | 5.4 | 0.035 | 90 | |
| IE3-W41R 132 M4 | K11R 132 M4 IE3 | 7.5 | 49 | 1475 | IE3- 91.3 | 91.3 | 90.1 | 0.83 | 14.5 | 8.6 | 2.4 | 2.0 | 3.9 | 0.043 | 100 | |
| IE3-W41R 160 M4 | K11R 160 M4 IE3 | 11 | 71 | 1475 | IE3- 91.4 | 91.5 | 90.5 | 0.83 | 21.0 | 7.5 | 2.5 | 2.0 | 3.2 | 0.078 | 125 | |
| IE3-W41R 160 L4C | K11R 160 L4C IE3 | 15 | 96 | 1490 | IE3- 92.8 | 92.5 | 91.0 | 0.83 | 28.0 | 10.5 | 2.8 | 2.4 | 3.9 | 0.1567 | 175 | |
| IE3-W41R 180 M4 | K11R 180 M4 IE3 | 18.5 | 120 | 1475 | IE3- 92.7 | 92.9 | 92.0 | 0.84 | 34.5 | 6.9 | 1.9 | 1.7 | 3.0 | 0.168 | 210 | |
| IE3-W41R 180 L4 | K11R 180 L4 IE3 | 22 | 142 | 1480 | IE3- 93.0 | 93.0 | 92.1 | 0.84 | 40.5 | 7.6 | 2.2 | 2.0 | 3.2 | 0.203 | 240 | |
| IE3-W41R 200 L4C | K11R 200 L4C IE3 | 30 | 193 | 1485 | IE3- 93.6 | 92.4 | 92.4 | 0.85 | 54.5 | 7.0 | 1.6 | 1.4 | 2.6 | 0.411 | 327 | |
| IE3-W41R 225 S4C | K11R 225 S4C IE3 | 37 | 237 | 1490 | IE3- 93.9 | 93.8 | 93.2 | 0.85 | 67.0 | 7.4 | 1.9 | 1.4 | 2.7 | 0.4675 | 367 | |
| IE3-W41R 225 M4 | K11R 225 M4 IE3 | 45 | 290 | 1482 | IE3- 94.2 | 94.3 | 94.0 | 0.82 | 84 | 8.1 | 2.6 | 2.1 | 2.6 | 0.619 | 450 | |
| IE3-W41R 250 M4 | K11R 250 M4 IE3 | 55 | 354 | 1485 | IE3- 94.7 | 94.8 | 94.4 | 0.83 | 101 | 8.1 | 2.1 | 1.8 | 2.5 | 0.95 | 550 | |
| IE3-W41R 280 S4 | K11R 280 S4 IE3 | 75 | 482 | 1485 | IE3- 95.0 | 94.6 | 94.2 | 0.83 | 137 | 8.2 | 2.1 | 1.8 | 2.5 | 1.1 | 617 | |
| IE3-W41R 280 M4 | K11R 280 M4 IE3 | 90 | 578 | 1487 | IE3- 95.2 | 94.7 | 94.0 | 0.83 | 164 | 9.2 | 2.1 | 1.9 | 2.7 | 1.96 | 785 | |
| IE3-W41R 315 S4 | K11R 315 S4 IE3 | 110 | 706 | 1487 | IE3- 95.4 | 95.0 | 94.3 | 0.82 | 203 | 9.5 | 1.9 | 1.7 | 2.7 | 1.96 | 760 | |
| IE3-W41R 315 M4 | K11R 315 M4 IE3 | 132 | 849 | 1485 | IE3- 95.6 | 95.4 | 95.0 | 0.83 | 240 | 9.0 | 2.2 | 1.9 | 2.7 | 2.27 | 850 | |
| IE3-W41R 315 MX4 | K11R 315 MX4 IE3 | 160 | 1026 | 1490 | IE3- 95.8 | 95.8 | 95.0 | 0.84 | 287 | 9.5 | 2.1 | 2.0 | 3.2 | 4.01 | 1120 | |
| IE3-W41R 315 MY4 | K11R 315 MY4 IE3 | 200 | 1282 | 1490 | IE3- 96.0 | 95.8 | 95.5 | 0.87 | 346 | 9.5 | 2.1 | 1.7 | 2.7 | 4.82 | 1250 | |
| IE3-W41R 315 L4 | K11R 315 L4 IE3 | 250 | 1602 | 1490 | IE3- 96.2 | 96.2 | 96.0 | 0.87 | 431 | 9.4 | 2.2 | 1.8 | 2.7 | 5.93 | 1450 | |
| IE3-W41R 315 LX4 | K11R 315 LX4 IE3 | 315 | 2019 | 1490 | IE3- 96.0 | 96.0 | 96.0 | 0.87 | 544 | 9.5 | 2.3 | 1.7 | 2.9 | 6.82 | 1630 | |
| IE3-W41R 355 M 4 | K22R 355 M 4 IE3 | 355 | 2271 | 1493 | IE3- 96.2 | 96.2 | 95.5 | 0.87 | 612 | 8.1 | 1.3 | 1.0 | 2.7 | 7.90 | 2150 | |

Three-phase motors with squirrel-cage rotor for marine use, Premium Efficiency IE3

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 50 Hz

| Motor selection data | | | | | | | | | | | | | Design point 400 V, 50 Hz | | | |
|--|-------------------|----------------|----------------|----------------|----------------|------|------|-------------------|----------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------|------|--|
| Type | Type | P _B | M _B | n _B | η _B | | | cosφ _B | I _B | I _N /I _B | M _A /M _B | M _S /M _B | M _K /M _B | J | m | |
| GL | DNV, RS, LR | | | | (EN 60034-2-1) | | | | 400 V | | | | | | | |
| DNV-GL | BV, ABS, CCS | | | | | | | | | | | | | | | |
| RS (KP... only) | | kW | Nm | rpm | 100 % | 75 % | 50 % | - | A | - | - | - | - | kgm ² | kg | |
| Synchronous 1000 rpm – 6-pole version | | | | | | | | | | | | | | | | |
| IE3-KPR 63 G6 | KPR 63 G6 IE3 | 0.12 | 1.23 | 930 | IE3- 57.7 | 60.0 | 54.0 | 0.56 | 0.53 | 2.8 | 1.9 | 1.8 | 2.1 | 0.00045 | 6.7 | |
| IE3-KPR 71 K6 | KPR 71 K6 IE3 | 0.18 | 1.85 | 930 | IE3- 63.9 | 62.9 | 57.5 | 0.68 | 0.57 | 3.4 | 2.0 | 2.0 | 2.2 | 0.0013 | 11.0 | |
| IE3-KPR 71 G6 | KPR 71 G6 IE3 | 0.25 | 2.55 | 935 | IE3- 68.6 | 66.9 | 62.2 | 0.67 | 0.75 | 3.9 | 2.3 | 2.3 | 2.5 | 0.00175 | 12.5 | |
| IE3-KPR 80 K6 | KPR 80 K6 IE3 | 0.37 | 3.72 | 950 | IE3- 73.5 | 72.9 | 69.2 | 0.70 | 1.03 | 4.0 | 1.9 | 1.9 | 2.4 | 0.00325 | 15.0 | |
| IE3-KPR 80 G6 | KPR 80 G6 IE3 | 0.55 | 5.53 | 950 | IE3- 77.2 | 75.9 | 72.4 | 0.69 | 1.50 | 4.1 | 2.1 | 2.1 | 2.5 | 0.00425 | 18.0 | |
| IE3-KPR 90 S6 | KPR 90 S6 IE3 | 0.75 | 7.54 | 950 | IE3- 78.9 | 79.7 | 77.5 | 0.73 | 1.87 | 5.3 | 2.4 | 2.2 | 2.9 | 0.0072 | 30.0 | |
| IE3-KPR 90 L6 | KPR 90 L6 IE3 | 1.1 | 11.0 | 955 | IE3- 81.0 | 81.0 | 78.5 | 0.71 | 2.75 | 5.4 | 2.5 | 2.4 | 2.8 | 0.0072 | 30.0 | |
| IE3-KPR 100 LX6 | KPR 100 LX6 IE3 | 1.5 | 15.0 | 955 | IE3- 82.5 | 83.5 | 81.5 | 0.76 | 3.45 | 5.9 | 2.3 | 2.2 | 2.8 | 0.0139 | 36.0 | |
| IE3-KPER 112 MV6 | KPER 112 MV6 IE3 | 2.2 | 22.0 | 955 | IE3- 84.3 | 83.6 | 80.9 | 0.74 | 5.15 | 5.7 | 2.4 | 2.3 | 2.9 | 0.0155 | 48.0 | |
| IE3-KPER 132 S6 | KPER 132 S6 IE3 | 3.0 | 30.0 | 97 | IE3- 85.6 | 85.3 | 82.5 | 0.74 | 6.8 | 7.2 | 2.8 | 2.7 | 4 | 0.029 | 70.0 | |
| IE3-W41R 132 M6 | K11R 132 M6 IE3 | 4 | 40.0 | 965 | IE3- 86.8 | 87.0 | 86.0 | 0.80 | 8.3 | 4.8 | 1.7 | 1.4 | 2.4 | 0.043 | 75 | |
| IE3-W41R 132 MX6 | K11R 132 MX6 IE3 | 5.5 | 54.0 | 970 | IE3- 88.6 | 88.6 | 87.2 | 0.80 | 11.0 | 6.0 | 2.1 | 1.7 | 3.0 | 0.053 | 105 | |
| IE3-W41R 160 M6 | K11R 160 M6 IE3 | 7.5 | 73.0 | 980 | IE3- 90.2 | 90.0 | 88.3 | 0.83 | 14.5 | 6.4 | 2.4 | 2.0 | 3.0 | 0.145 | 145 | |
| IE3-W41R 160 L6C | K11R 160 L6C IE3 | 11 | 107.0 | 985 | IE3- 91.4 | 91.2 | 89.8 | 0.85 | 20.5 | 6.8 | 2.2 | 2 | 2.8 | 0.166 | 168 | |
| IE3-W41R 180 L6C | K11R 180 L6C IE3 | 15 | 145.0 | 985 | IE3- 91.2 | 91.3 | 90.2 | 0.87 | 27.5 | 6.8 | 2 | 1.7 | 2.7 | 0.3396 | 214 | |
| IE3-W41R 200 L6 | K11R 200 L6 IE3 | 18.5 | 180.0 | 980 | IE3- 91.8 | 91.7 | 90.5 | 0.87 | 33.5 | 7.2 | 2.3 | 2 | 3 | 0.514 | 310 | |
| IE3-W41R 200 LX6C | K11R 200 LX6C IE3 | 22 | 213.0 | 985 | IE3- 92.2 | 91.5 | 90 | 0.87 | 39.5 | 7.6 | 2.1 | 1.7 | 2.9 | 0.6476 | 321 | |
| IE3-W41R 225 M6 | K11R 225 M6 IE3 | 30 | 291 | 984 | IE3- 92.9 | 92.2 | 91.0 | 0.84 | 55.5 | 7.2 | 2.7 | 2.2 | 2.9 | 0.92 | 400 | |
| IE3-W41R 250 M6 | K11R 250 M6 IE3 | 37 | 359 | 985 | IE3- 93.3 | 93.2 | 92.3 | 0.86 | 66.5 | 7.1 | 2.8 | 2.0 | 2.7 | 1.48 | 545 | |
| IE3-W41R 280 S6 | K11R 280 S6 IE3 | 45 | 434 | 990 | IE3- 93.7 | 93.5 | 91.5 | 0.86 | 80.5 | 8.5 | 2.1 | 1.8 | 2.8 | 2.63 | 695 | |
| IE3-W41R 280 M6 | K11R 280 M6 IE3 | 55 | 531 | 990 | IE3- 94.2 | 94.1 | 93.1 | 0.85 | 99 | 9.0 | 2.2 | 1.9 | 3.1 | 3.33 | 815 | |
| IE3-W41R 315 S6 | K11R 315 S6 IE3 | 75 | 723 | 990 | IE3- 94.6 | 94.0 | 93.5 | 0.86 | 133 | 8.2 | 1.8 | 1.4 | 2.3 | 5.55 | 1060 | |
| IE3-W41R 315 M6 | K11R 315 M6 IE3 | 90 | 868 | 990 | IE3- 94.9 | 94.0 | 93.0 | 0.86 | 159 | 8.5 | 2.2 | 1.7 | 2.8 | 6 | 1100 | |
| IE3-W41R 315 MX6 | K11R 315 MX6 IE3 | 110 | 1061 | 990 | IE3- 95.1 | 95.0 | 94.5 | 0.86 | 194 | 8.5 | 2.5 | 1.7 | 2.7 | 6.67 | 1210 | |
| IE3-W41R 315 L6 | K11R 315 L6 IE3 | 132 | 1267 | 995 | IE3- 95.4 | 95.0 | 94.5 | 0.87 | 230 | 9.0 | 2.8 | 2.0 | 3.2 | 8.6 | 1550 | |
| IE3-W41R 355 M6 | K22R 355 M6 IE3 | 160 | 1536 | 995 | IE3- 95.6 | 95.0 | 94.6 | 0.82 | 295 | 8.0 | 2.1 | 0.0 | 2.7 | 8.2 | 1850 | |
| IE3-W42R 355 MX6 | K22R 355 MX6 IE3 | 200 | 1919 | 995 | IE3- 95.8 | 95.5 | 95.0 | 0.83 | 363 | 9.0 | 1.9 | 1.7 | 2.7 | 12.10 | 2200 | |
| IE3-W41R 355 L6 | K22R 355 L 6 IE3 | 250 | 2395 | 997 | IE3- 95.8 | 95.5 | 95.0 | 0.84 | 448 | 8.8 | 2.2 | 1.5 | 2.8 | 14.00 | 2400 | |
| IE3-W41R 355 LX6 | K22R 355 LX6 IE3 | 315 | 3023 | 995 | IE3- 95.8 | 95.7 | 95.3 | 0.84 | 565 | 7.5 | 1.6 | 1.1 | 2.3 | 14.00 | 2400 | |
| Synchronous 750 rpm – 8-pole version | | | | | | | | | | | | | | | | |
| IE3-KPR 71 G8 | KPR 71 G8 IE3 | 0.12 | 1.67 | 685 | IE3- 50.7 | 48.8 | 43.0 | 0.64 | 0.48 | 2.6 | 1.7 | 1.7 | 2.0 | 0.0013 | 9.9 | |
| IE3-KPER 80 K8 | KPER 80 K8 IE3 | 0.18 | 2.53 | 680 | IE3- 58.7 | 56.3 | 49.8 | 0.61 | 0.73 | 2.6 | 1.6 | 1.6 | 2.0 | 0.00175 | 12.0 | |
| IE3-KPR 80 G8 | KPR 80 G8 IE3 | 0.25 | 3.39 | 705 | IE3- 64.1 | 64.3 | 58.4 | 0.59 | 0.93 | 3.0 | 1.4 | 1.4 | 2.1 | 0.003 | 14.0 | |
| IE3-KPR 90 S8 | KPR 90 S8 IE3 | 0.37 | 4.98 | 710 | IE3- 69.3 | 69.0 | 64.4 | 0.63 | 1.20 | 3.6 | 2.1 | 2.1 | 2.3 | 0.00625 | 25.0 | |
| IE3-KPR 90 L8 | KPR 90 L8 IE3 | 0.55 | 7.5 | 700 | IE3- 73.0 | 70.6 | 66.3 | 0.64 | 1.72 | 3.6 | 1.8 | 1.8 | 2.3 | 0.0072 | 26.0 | |
| IE3-KPR 100 L8 | KPR 100 L8 IE3 | 0.75 | 10.0 | 715 | IE3- 75.0 | 75.9 | 71.3 | 0.63 | 2.25 | 4.4 | 2.5 | 2.5 | 2.8 | 0.0123 | 33.5 | |
| IE3-KPR 100 LX8 | KPR 100 LX8 IE3 | 1.1 | 14.8 | 710 | IE3- 77.7 | 77.5 | 73.7 | 0.63 | 3.2 | 4.2 | 1.9 | 1.8 | 2.5 | 0.0139 | 36.0 | |
| IE3-KPER 112 MZ8 | KPER 112 MZ8 IE3 | 1.5 | 20.3 | 705 | IE3- 79.7 | 78.8 | 75.8 | 0.66 | 4.2 | 4.7 | 2.7 | 2.7 | 3.2 | 0.018 | 50.0 | |
| IE3-KPER 132 S8 | KPER 132 S8 IE3 | 2.2 | 29.0 | 720 | IE3- 80.5 | | | | | | | | | 0.043 | 70.0 | |
| IE3-W41R 132 M8 | K11R 132 M8 IE3 | 3 | 40 | 720 | IE3- 83.5 | 83.5 | 81.4 | 0.72 | 7.0 | 3.9 | 1.6 | 1.4 | 2.1 | 0.043 | 74 | |
| IE3-W41R 160 M8 | K11R 160 M8 IE3 | 4 | 51 | 735 | IE3- 87.0 | 86.7 | 83.8 | 0.71 | 9.4 | 5.4 | 2.5 | 2.2 | 2.9 | 0.113 | 119 | |
| IE3-W41R 160 MX8 | K11R 160 MX8 IE3 | 5.5 | 72 | 730 | IE3- 87.5 | 87.5 | 85.6 | 0.73 | 12.5 | 4.7 | 1.9 | 1.7 | 2.5 | 0.145 | 143 | |
| IE3-W41R 160 L8 | K11R 160 L8 IE3 | 7.5 | 98 | 730 | IE3- 87.9 | 87.6 | 85.6 | 0.73 | 17.0 | 5.1 | 2.1 | 1.8 | 2.7 | 0.166 | 155 | |
| IE3-W41R 180 L8 | K11R 180 L8 IE3 | 11 | 143 | 733 | IE3- 89.3 | 89.0 | 87.1 | 0.75 | 23.5 | 5.4 | 2.1 | 1.9 | 2.8 | 0.228 | 175 | |
| IE3-W41R 200 L8 | K11R 200 L8 IE3 | 15 | 196 | 730 | IE3- 89.6 | 90.0 | 89.0 | 0.80 | 30.0 | 5.3 | 1.8 | 1.7 | 2.5 | 0.324 | 235 | |
| IE3-W41R 225 S8 | K11R 225 S8 IE3 | 18.5 | | | IE3- 90.1 | | | | | | | | | 0.514 | 310 | |
| IE3-W41R 225 M8 | K11R 225 M8 IE3 | 22 | 286 | 735 | IE3- 91.5 | 91.6 | 90.6 | 0.79 | 44 | 5.7 | 2.3 | 2.0 | 2.5 | 0.825 | 360 | |
| IE3-W41R 250 M8 | K11R 250 M8 IE3 | 30 | 391 | 732 | IE3- 91.3 | 91.9 | 91.4 | 0.81 | 58.5 | 5.4 | 2.0 | 1.8 | 2.3 | 0.92 | 420 | |
| IE3-W41R 280 S8 | K11R 280 S8 IE3 | 37 | 479 | 738 | IE3- 92.0 | 92.0 | 90.8 | 0.78 | 74.5 | 5.9 | 2.3 | 1.8 | 2.4 | 1.55 | 555 | |
| IE3-W41R 280 M8 | K11R 280 M8 IE3 | 45 | 581 | 740 | IE3- 93.0 | 93.0 | 92.4 | 0.78 | 89.5 | 6.5 | 1.7 | 1.5 | 2.4 | 2.63 | 700 | |
| IE3-W41R 315 S8 | K11R 315 S8 IE3 | 55 | 708 | 742 | IE3- 93.3 | 93.3 | 92.4 | 0.78 | 109 | 7.0 | 1.9 | 1.7 | 2.5 | 3.33 | 805 | |
| IE3-W41R 315 M8 | K11R 315 M8 IE3 | 75 | 965 | 742 | IE3- 93.8 | 94.2 | 93.8 | 0.81 | 142 | 7.0 | 1.9 | 1.7 | 2.3 | 5.55 | 1120 | |
| IE3-W41R 315 MX8 | K11R 315 MX8 IE3 | 90 | 1157 | 743 | IE3- 94.3 | 94.4 | 93.6 | 0.80 | 172 | 7.9 | 2.4 | 2.0 | 2.7 | 6 | 1185 | |
| IE3-W41R 315 MY8 | K11R 315 MY8 IE3 | 110 | 1419 | 740 | IE3- 93.8 | 94.0 | 93.8 | 0.82 | 206 | 6.5 | 1.9 | 1.5 | 2.1 | 6.76 | 1250 | |
| IE3-W41R 315 L8 | K11R 315 L8 IE3 | 132 | 1703 | 740 | IE3- 94.2 | 94.2 | 93.5 | 0.80 | 253 | 8.0 | 2.4 | 1.9 | 2.7 | 8.71 | 1450 | |
| IE3-W41R 355 MY8 | K22R 355 MY8 IE3 | 160 | 2051 | 745 | IE3- 94.3 | 94.3 | 94.0 | 0.82 | 299 | 6.6 | 1.2 | 1.0 | 2.6 | 9.3 | 1700 | |
| IE3-W41R 355 M8 | K22R 355 M8 IE3 | 200 | 2564 | 745 | IE3- 94.7 | 94.9 | 94.2 | 0.81 | 376 | 7.0 | 1.0 | 1.0 | 2.7 | 9.5 | 1890 | |
| IE3-W41R 355 LY8 | K22R 355 LY8 IE3 | 230 | | | | | | | | | | | | 15.8 | 2400 | |

Three-phase motors with squirrel-cage rotor for marine use, Premium Efficiency IE3

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 60 Hz

| Motor selection data | | | | | | | | | | | | | | | Design point 460 V, 60 Hz | | | |
|---------------------------------------|-------------------|-------|-------|-------|----------------|------|------|-----------------|-------|-----------|-----------|-----------|-----------|------------------|---------------------------|--|--|--|
| Type | Type | P_B | M_B | n_B | η_B | | | $\cos\varphi_B$ | I_B | I_A/I_B | M_A/M_B | M_S/M_B | M_K/M_B | J | m | | | |
| GL | DNV, RS, LR | | | | (EN 60034-2-1) | | | | 460 V | | | | | | | | | |
| DNV-GL | BV, ABS, CCS | | | | | | | | | | | | | | | | | |
| RS (KP.. only) | | kW | Nm | rpm | 100% | 75% | 50% | - | A | - | - | - | - | kgm ² | kg | | | |
| Synchronous 3600 rpm – 2-pole version | | | | | | | | | | | | | | | | | | |
| IE3-KPR 56 G2 | KPR 56 G2 IE3 | 0.14 | 0.39 | 3410 | IE3- 71.4 | 62.0 | 66.5 | 0.82 | 0.3 | 5.2 | 2.0 | 2.0 | 2.3 | 0.00013 | 4.5 | | | |
| IE3-KPR 63 K2 | KPR 63 K2 IE3 | 0.21 | 0.58 | 3430 | IE3- 65.6 | *** | *** | 0.83 | 0.44 | 5.5 | 2.6 | 2.5 | 3.1 | 0.00025 | 6.3 | | | |
| IE3-KPR 63 G2 | KPR 63 G2 IE3 | 0.3 | 0.84 | 3410 | IE3- 69.5 | 70.0 | 67.8 | 0.84 | 0.58 | 5.3 | 2.3 | 2.2 | 2.8 | 0.00025 | 6.3 | | | |
| IE3-KPR 71 K2 | KPR 71 K2 IE3 | 0.44 | 1.21 | 3460 | IE3- 73.4 | 83.9 | 82.4 | 0.86 | 0.78 | 7.3 | 3.0 | 2.8 | 3.2 | 0.00057 | 10.0 | | | |
| IE3-KPR 71 G2 | KPR 71 G2 IE3 | 0.65 | 1.79 | 3465 | IE3- 77.0 | 82.4 | 82.0 | 0.87 | 1.13 | 7.8 | 2.8 | 2.5 | 2.9 | 0.00072 | 11.2 | | | |
| IE3-KPR 80 K2 | KPR 80 K2 IE3 | 0.75 | 2.05 | 3500 | IE3- 83.0 | 83.5 | 80.6 | 0.87 | 1.30 | 8.5 | 2.5 | 2.1 | 3.0 | 0.00132 | 15.0 | | | |
| IE3-KPR 80 G2 | KPR 80 G2 IE3 | 1.1 | 3.01 | 3490 | IE3- 84.0 | 85.1 | 81.9 | 0.87 | 1.88 | 9.2 | 3.0 | 2.7 | 3.3 | 0.0017 | 18.0 | | | |
| IE3-KPR 90 S2 | KPR 90 S2 IE3 | 1.5 | 4.90 | 3510 | IE3- 85.5 | 87.3 | 84.3 | 0.88 | 2.9 | 8.1 | 2.1 | 2.0 | 3.1 | 0.00275 | 23.5 | | | |
| IE3-KPR 90 L2 | KPR 90 L2 IE3 | 2.2 | 5.98 | 3515 | IE3- 86.5 | 87.4 | 85.6 | 0.88 | 3.60 | 7.2 | 2.1 | 1.8 | 2.7 | 0.00333 | 29.0 | | | |
| IE3-KPR 100 L2 | KPR 100 L2 IE3 | 3.6 | 9.71 | 3540 | IE3- 88.5 | 88.0 | 85.7 | 0.82 | 6.20 | 9.8 | 2.8 | 2.3 | 4.4 | 0.0055 | 38.0 | | | |
| IE3-KPER 112 M2 | KPER 112 M2 IE3 | 4.8 | 13.02 | 3520 | IE3- 89.5 | 89.3 | 87.5 | 0.86 | 7.8 | 8.7 | 2.4 | 2.2 | 3.5 | 0.0068 | 46.0 | | | |
| IE3-KPR 112 M2 | KPR 112 M2 IE3 | 4.5 | 12.16 | 3535 | IE3- 88.5 | 88.3 | 86.3 | 0.88 | 7.3 | 6.7 | 1.5 | 1.2 | 2.9 | 0.011 | 60.0 | | | |
| IE3-KPER 132 S2 | KPER 132 S2 IE3 | 6.4 | 17.00 | 3525 | IE3- 89.5 | 88.5 | 86.0 | 0.85 | 10.4 | 7.2 | 1.8 | 1.3 | 3.3 | 0.011 | 65.0 | | | |
| IE3-W41R 132 SX2 | K11R 132 SX2 IE3 | 9 | 24 | 3520 | IE3- 90.5 | 89.5 | 87.8 | 0.89 | 14 | 7.1 | 2.3 | 1.9 | 3.1 | 0.0168 | 75 | | | |
| IE3-W41R 160 M2 | K11R 160 M2 IE3 | 13.2 | 36 | 3540 | IE3- 91 | 90 | 87.9 | 0.91 | 20 | 7.3 | 2 | 1.6 | 2 | 0.0575 | 125 | | | |
| IE3-W41R 160 MX2 | K11R 160 MX2 IE3 | 18 | 48 | 3545 | IE3- 92 | 92.3 | 91.2 | 0.92 | 26.5 | 7.4 | 2 | 1.6 | 2.9 | 0.0675 | 145 | | | |
| IE3-W41R 160 L2 | K11R 160 L2 IE3 | 22 | 59 | 3550 | IE3- 92 | 91.9 | 90.7 | 0.91 | 33 | 8.5 | 2.4 | 1.9 | 3.3 | 0.078 | 160 | | | |
| IE3-W41R 180 M2C | K11R 180 M2C IE3 | 26 | 70 | 3570 | IE3- 92.4 | 92.0 | 90.7 | 0.92 | 38.5 | 8.2 | 1.8 | 1.3 | 3.0 | 0.1717 | 214 | | | |
| IE3-W41R 200 L2 | K11R 200 L2 IE3 | 33 | 88 | 3565 | IE3- 92.4 | 91.0 | 88.6 | 0.88 | 51.0 | 8.5 | 2.1 | 1.6 | 3.2 | 0.36 | 305 | | | |
| IE3-W41R 200 LX2C | K11R 200 LX2C IE3 | 40 | 107 | 3575 | IE3- 93 | 91.7 | 89.5 | 0.89 | 60.5 | 8.8 | 1.8 | 1.3 | 3.2 | 0.4757 | 310 | | | |
| IE3-W41R 225 M2 | K11R 225 M2 IE3 | 54 | 145 | 3553 | IE3- 93.6 | 93.3 | 92.6 | 0.89 | 81.5 | 8.1 | 2.1 | 1.7 | 2.9 | 0.375 | 375 | | | |
| IE3-W41R 250 M2 | K11R 250 M2 IE3 | 66 | 177 | 3568 | IE3- 94.1 | 93.5 | 92.3 | 0.92 | 95.5 | 8.2 | 2 | 1.8 | 2.9 | 0.65 | 510 | | | |
| IE3-W41R 280 S2 | K11R 280 S2 IE3 | 82 | 220 | 3566 | IE3- 94.5 | 94 | 92.5 | 0.90 | 121 | 8.1 | 2 | 1.8 | 3 | 0.65 | 500 | | | |
| IE3-W41R 280 M2 | K11R 280 M2 IE3 | | | | | | | | | | | | | 0.675 | 545 | | | |
| IE3-W41R 315 S2 | K11R 315 S2 IE3 | 110 | 294 | 3570 | IE3- 95.0 | 94.0 | 92.5 | 0.89 | 163 | 10 | 2 | 1.8 | 3.2 | 1.21 | 750 | | | |
| IE3-W41R 315 M2 | K11R 315 M2 IE3 | 145 | 387 | 3580 | IE3- 95.4 | 95.0 | 94.5 | 0.89 | 214 | 10 | 2 | 1.8 | 3 | 1.44 | 815 | | | |
| IE3-W41R 315 MX2 | K11R 315 MX2 IE3 | 165 | 440 | 3585 | IE3- 95.4 | 95 | 94 | 0.89 | 244 | 9 | 2.5 | 1.8 | 2.8 | 2.37 | 1095 | | | |
| IE3-W41R 315 MY2 | K11R 315 MY2 IE3 | 220 | 587 | 3580 | IE3- 95.8 | 95.3 | 94.5 | 0.91 | 317 | 8.5 | 2.8 | 1.7 | 2.7 | 2.82 | 1200 | | | |
| IE3-W41R 315 L2 | K11R 315 L2 IE3 | | | | | | | | | | | | | 3.66 | 1460 | | | |
| IE3-W41R 315 LX2 | K11R 315 LX2 IE3 | 340 | 906 | 3585 | IE3- 95.8 | 95.8 | 95.5 | 0.92 | 484 | 9.1 | 2.9 | 1.6 | 2.5 | 4.43 | 1700 | | | |
| IE3-W41R 355 M2 | K22R 355 M2 IE3 | | | | | | | | | | | | | 4.20 | 2000 | | | |
| Synchronous 1800 rpm – 4-pole version | | | | | | | | | | | | | | | | | | |
| IE3-KPER 63 K4 | KPER 63 K4 IE3 | 0.14 | 0.81 | 1660 | IE3- 66.0 | 65.5 | 61.1 | 0.71 | 0.37 | 3.6 | 1.9 | 1.9 | 2.3 | 0.00024 | 5.2 | | | |
| IE3-KPR 63 G4 | KPR 63 G4 IE3 | 0.21 | 1.16 | 1725 | IE3- 69.5 | 68.8 | 62.9 | 0.66 | 0.56 | 4.8 | 2.6 | 2.6 | 2.9 | 0.0005 | 7.1 | | | |
| IE3-KPR 71 K4 | KPR 71 K4 IE3 | 0.3 | 1.66 | 1725 | IE3- 73.4 | 76.5 | 72.8 | 0.74 | 0.66 | 5.2 | 2.1 | 2.0 | 2.7 | 0.00087 | 9.9 | | | |
| IE3-KPR 71 G4 | KPR 71 G4 IE3 | 0.44 | 2.44 | 1725 | IE3- 78.2 | 77.8 | 74.3 | 0.72 | 0.96 | 6.1 | 2.5 | 2.4 | 3.2 | 0.00107 | 11.0 | | | |
| IE3-KPR 80 K4 | KPR 80 K4 IE3 | 0.65 | 3.60 | 1725 | IE3- 83.5 | 82.8 | 79.0 | 0.81 | 1.24 | 6.2 | 2.2 | 2.1 | 2.6 | 0.00207 | 14.5 | | | |
| IE3-KPR 80 GX4 | KPR 80 GX4 IE3 | 0.75 | 4.94 | 1740 | IE3- 83.5 | 83.3 | 80.5 | 0.79 | 1.77 | 7.4 | 3.3 | 3.2 | 4.2 | 0.0026 | 17.0 | | | |
| IE3-KPR 90 S4 | KPR 90 S4 IE3 | 1.1 | | | | | | | | | | | | 0.0045 | 28.0 | | | |
| IE3-KPR 90 LX4 | KPR 90 LX4 IE3 | 1.5 | 9.82 | 1750 | IE3- 86.5 | 85.3 | 82.1 | 0.77 | 3.4 | 8.8 | 3.8 | 3.4 | 4.7 | 0.0058 | 31.0 | | | |
| IE3-KPR 100 L4 | KPR 100 L4 IE3 | 2.2 | | | | | | | | | | | | 0.011 | 45.0 | | | |
| IE3-KPR 100 LZ4 | KPR 100 LZ4 IE3 | 3.0 | 19.60 | 1750 | IE3- 89.5 | 89.0 | 87.6 | 0.79 | 6.45 | 8.1 | 2.6 | 2.5 | 3.6 | 0.013 | 50.0 | | | |
| IE3-KPR 112 M4 | KPR 112 M4 IE3 | 4.5 | 24.00 | 1765 | IE3- 90.3 | 90.2 | 90.2 | 0.84 | 7.4 | 9.3 | 2.8 | 2.4 | 4.5 | 0.02 | 65.0 | | | |
| IE3-W41R 132 S4 | K11R 132 S4 IE3 | 6.6 | 35 | 1780 | IE3- 91.8 | 91 | 88.9 | 0.77 | 11.7 | 9.6 | 3.1 | 2.6 | 5 | 0.035 | 90 | | | |
| IE3-W41R 132 M4 | K11R 132 M4 IE3 | 9 | 49 | 1765 | IE3- 91.8 | 91.7 | 90.6 | 0.85 | 14.5 | 8 | 2.3 | 1.9 | 3.6 | 0.043 | 100 | | | |
| IE3-W41R 160 M4 | K11R 160 M4 IE3 | 12.5 | 67 | 1775 | IE3- 92.4 | 91.8 | 90.6 | 0.80 | 21.5 | 7.4 | 2.4 | 2 | 3.1 | 0.078 | 125 | | | |
| IE3-W41R 160 L4C | K11R 160 L4C IE3 | 18 | 96 | 1785 | IE3- 93.6 | 92.8 | 91.3 | 0.85 | 28.5 | 9.9 | 2.6 | 2.2 | 3.6 | 0.1567 | 175 | | | |
| IE3-W41R 180 M4 | K11R 180 M4 IE3 | 22 | 118 | 1775 | IE3- 93.6 | 93.0 | 92.3 | 0.84 | 35.0 | 6.5 | 1.8 | 1.9 | 2.8 | 0.168 | 210 | | | |
| IE3-W41R 180 L4 | K11R 180 L4 IE3 | 25 | 134 | 1775 | IE3- 93.6 | 92.8 | 91.8 | 0.85 | 39.5 | 7.5 | 2.1 | 1.9 | 3.1 | 0.203 | 240 | | | |
| IE3-W41R 200 L4C | K11R 200 L4C IE3 | 30 | 160 | 1790 | IE3- 94.1 | 92.8 | 91.0 | 0.84 | 47.5 | 7.7 | 1.7 | 1.5 | 2.8 | 0.411 | 327 | | | |
| IE3-W41R 225 S4C | K11R 225 S4C IE3 | 40 | 214 | 1785 | IE3- 94.5 | 93.7 | 92.5 | 0.85 | 62.5 | 7.5 | 1.9 | 1.4 | 2.7 | 0.4675 | 367 | | | |
| IE3-W41R 225 M4 | K11R 225 M4 IE3 | 49 | 263 | 1782 | IE3- 95 | 94 | 91.5 | 0.83 | 79 | 8.7 | 2.7 | 2.2 | 2.7 | 0.619 | 450 | | | |
| IE3-W41R 250 M4 | K11R 250 M4 IE3 | 55 | 294 | 1785 | IE3- 95.4 | 94.9 | 93.5 | 0.83 | 87 | 8.9 | 2.3 | 2 | 2.7 | 0.95 | 550 | | | |
| IE3-W41R 280 S4 | K11R 280 S4 IE3 | 90 | 482 | 1783 | IE3- 95.4 | 94.6 | 94 | 0.84 | 141 | 7.9 | 2 | 1.7 | 2.3 | 1.1 | 617 | | | |
| IE3-W41R 280 M4 | K11R 280 M4 IE3 | 90 | 480 | 1790 | IE3- 95 | 95.4 | 93.2 | 0.82 | 144 | 10 | 2 | 1.9 | 2.9 | 1.96 | 785 | | | |
| IE3-W41R 315 S4 | K11R 315 S4 IE3 | 125 | 668 | 1788 | IE3- 95.8 | 95.2 | 94.3 | 0.83 | 197 | 9.2 | 2.1 | 2 | 2.7 | 1.96 | 760 | | | |
| IE3-W41R 315 M4 | K11R 315 M4 IE3 | 129 | 689 | 1787 | IE3- 95.8 | 95.3 | 94.7 | 0.83 | 204 | 10 | 2.3 | 2.1 | 2.9 | 2.27 | 850 | | | |
| IE3-W41R 315 MX4 | K11R 315 MX4 IE3 | 175 | 934 | 1790 | IE3- 96.2 | 96 | 95 | 0.84 | 272 | 9.5 | 2.1 | 2 | 3.2 | 4.01 | 1120 | | | |
| IE3-W41R 315 MY4 | K11R 315 MY4 IE3 | 225 | 1200 | 1790 | IE3- 96.2 | 96 | 95.5 | 0.85 | 345 | 10.5 | 2.6 | 1.9 | 3.1 | 4.82 | 1250 | | | |
| IE3-W41R 315 L4 | K11R 315 L4 IE3 | 280 | 1494 | 1790 | IE3- 96.2 | 96.1 | 95.7 | 0.87 | 420 | 9.3 | 2.2 | 1.8 | 2.7 | 5.93 | 1450 | | | |
| IE3-W41R 315 LX4 | K11R 315 LX4 IE3 | 315 | 1680 | 1790 | IE3- 96.2 | 96.2 | 95.5 | 0.87 | 472 | 10.5 | 2.6 | 1.9 | 3.2 | 6.82 | 1630 | | | |
| IE3-W41R 355 M4 | K22R 355M4 IE3 | 375 | 2001 | 1790 | IE3- 96.2 | 95.8 | 95 | 0.87 | 647 | 9.1 | 1.3 | 1 | 3.2 | 7.90 | 2150 | | | |

***) upon request

Three-phase motors with squirrel-cage rotor for marine use, Premium Efficiency IE3

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 60 Hz

| Motor selection data | | | | | | | | | | | | | Design point 460 V, 60 Hz | | |
|--|-------------------|----------------|----------------|----------------|----------------|-------|-------|-------------------|----------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------|------|
| Type | Type | P _B | M _B | n _B | η _B | | | cosφ _B | I _B | I _A /I _B | M _r /M _B | M _s /M _B | M _k /M _B | J | m |
| GL | DNV, RS, LR | | | | (EN 60034-2-1) | | | | 460 V | | | | | | |
| DNV-GL | BV, ABS, CCS | | | | | | | | | | | | | | |
| RS (KP.. only) | | kW | Nm | rpm | 100% | 75% | 50% | - | A | - | - | - | - | kgm ² | kg |
| Synchronous 1200 rpm – 6-pole version | | | | | | | | | | | | | | | |
| IE3-KPR 63 G6 | KPR 63 G6 IE3 | 0.14 | 1.18 | 1130 | IE3- 64.0 | 62.1 | 56.2 | 0.54 | 0.5 | 3.1 | 1.8 | 1.8 | 2.2 | 0.00045 | 6.7 |
| IE3-KPR 71 K6 | KPR 71 K6 IE3 | 0.21 | 1.78 | 1125 | IE3- 67.5 | ***) | ***) | 0.68 | 0.55 | 3.6 | 2.1 | 2.0 | 2.3 | 0.0013 | 11.0 |
| IE3-KPR 71 G6 | KPR 71 G6 IE3 | 0.3 | 2.55 | 1125 | IE3- 71.4 | ***) | ***) | 0.70 | 0.73 | 4.4 | 2.4 | 2.4 | 2.7 | 0.00175 | 12.5 |
| IE3-KPR 80 K6 | KPR 80 K6 IE3 | 0.44 | 3.67 | 1145 | IE3- 75.3 | 74.8 | 71.2 | 0.70 | 1.03 | 4.1 | 1.8 | 1.8 | 2.3 | 0.00325 | 15.0 |
| IE3-KPR 80 G6 | KPR 80 G6 IE3 | 0.45 | 3.67 | 1170 | IE3- 75.3 | 75.0 | 69.4 | 0.58 | 1.25 | 5.1 | 3.0 | 3.0 | 3.6 | 0.00425 | 18.0 |
| IE3-KPR 90 S6 | KPR 90 S6 IE3 | 0.9 | 7.47 | 1150 | IE3- 82.5 | 82.9 | 80.9 | 0.73 | 1.88 | 5.3 | 2.2 | 2.0 | 2.7 | 0.0072 | 30.0 |
| IE3-KPR 90 L6 | KPR 90 L6 IE3 | 0.92 | 7.51 | 1170 | IE3- 82.3 | 80.02 | 74.53 | 0.62 | 2.26 | 6.8 | 3.5 | 3.0 | 4.2 | 0.0072 | 30.0 |
| IE3-KPR 100 LX6 | KPR 100 LX6 IE3 | 0.92 | 7.45 | 1180 | IE3- 82.8 | 80 | 79.7 | 0.57 | 2.45 | 7.7 | 3.6 | 3.6 | 5.1 | 0.0139 | 36.0 |
| IE3-KPER 112 MV6 | KPER 112 MV6 IE3 | | | | | | | | | | | | | | |
| IE3-KPER 132 S6 | KPER 132 S6 IE3 | | | | | | | | | | | | | | |
| IE3-W41R 132 M6 | K11R 132 M6 IE3 | 4.5 | 37 | 1170 | IE3- 89.5 | 88.7 | 87.6 | 0.80 | 7.9 | 4.8 | 1.7 | 1.5 | 2.4 | 0.043 | 75 |
| IE3-W41R 132 MX6 | K11R 132 MX6 IE3 | 5.7 | 46 | 1175 | IE3- 91 | 89.8 | 87.5 | 0.79 | 10 | 6.5 | 2.2 | 1.9 | 3.2 | 0.053 | 105 |
| IE3-W41R 160 M6 | K11R 160 M6 IE3 | 9 | 73 | 1175 | IE3- 91.3 | 90.6 | 89 | 0.85 | 14.6 | 6 | 2.2 | 1.9 | 2.8 | 0.145 | 145 |
| IE3-W41R 160 L6C | K11R 160 L6C IE3 | 13 | 105 | 1185 | IE3- 91.7 | 91.4 | 90 | 0.86 | 20.5 | 6.5 | 2.1 | 1.9 | 2.6 | 0.166 | 168 |
| IE3-W41R 180 L6C | K11R 180 L6C IE3 | 18.5 | 149 | 1185 | IE3- 93 | 91.9 | 90.5 | 0.85 | 29.5 | 6.2 | 1.8 | 1.5 | 2.5 | 0.3396 | 214 |
| IE3-W41R 200 L6 | K11R 200 L6 IE3 | 22 | 178 | 1180 | IE3- 93 | 91.7 | 90.5 | 0.87 | 34 | 6.7 | 2.1 | 1.8 | 2.8 | 0.514 | 310 |
| IE3-W41R 200 LX6C | K11R 200 LX6C IE3 | 22 | 177 | 1190 | IE3- 93 | 91.4 | 89.4 | 0.87 | 34 | 6.5 | 2.4 | 1.9 | 3.2 | 0.6476 | 321 |
| IE3-W41R 225 M6 | K11R 225 M6 IE3 | | | | IE3- | | | | | | | | | 0.92 | 400 |
| IE3-W41R 250 M6 | K11R 250 M6 IE3 | 40 | 322 | 1185 | IE3- 94.1 | 93.3 | 92 | 0.86 | 62 | 7.2 | 2.9 | 2 | 2.8 | 1.48 | 545 |
| IE3-W41R 280 S6 | K11R 280 S6 IE3 | 45 | 362 | 1188 | IE3- | | | | | | | | | 2.63 | 695 |
| IE3-W41R 280 M6 | K11R 280 M6 IE3 | 55 | 440 | 1195 | IE3- 94.5 | 94 | 92.5 | 0.85 | 86 | 9.5 | 2.5 | 2.2 | 3.4 | 3.33 | 815 |
| IE3-W41R 315 S6 | K11R 315 S6 IE3 | 85 | 683 | 1188 | IE3- | | | | | | | | | 5.55 | 1060 |
| IE3-W41R 315 M6 | K11R 315 M6 IE3 | 99 | 796 | 1188 | IE3- | | | | | | | | | 6 | 1100 |
| IE3-W41R 315 MX6 | K11R 315 MX6 IE3 | 120 | 965 | 1188 | IE3- | | | | | | | | | 6.67 | 1210 |
| IE3-W41R 315 L6 | K11R 315 L6 IE3 | 132 | 1055 | 1195 | IE3- 95.8 | 95.3 | 94.4 | 0.84 | 206 | 9.5 | 3 | 2.2 | 3.5 | 8.6 | 1550 |
| IE3-W41R 355 M6 | K22R 355 M6 IE3 | 175 | 1400 | 1194 | IE3- | | | | | | | | | 8.2 | 1850 |
| IE3-W42R 355 MX6 | K22R 355 MX6 IE3 | 200 | 1600 | 1194 | IE3- | | | | | | | | | 12.10 | 2200 |
| IE3-W41R 355 L6 | K22R 355 L 6 IE3 | | | | | | | | | | | | | 14.00 | 2400 |
| IE3-W41R 355 LX6 | K22R 355 LX6 IE3 | 350 | | 1196 | IE3- 95.8 | 95.5 | 95.3 | 0.85 | 539 | 8 | 1.8 | 1.3 | 2.4 | 14.00 | 2400 |
| Synchronous 900 rpm – 8-pole version | | | | | | | | | | | | | | | |
| IE3-KPR 71 G8 | KPR 71 G8 IE3 | 0.14 | 1.59 | 840 | IE3- 59.5 | 59.1 | 52.7 | 0.61 | 0.47 | 2.8 | 1.8 | 1.8 | 2.1 | 0.0013 | 9.9 |
| IE3-KPER 80 K8 | KPER 80 K8 IE3 | 0.21 | 2.39 | 840 | IE3- 64.0 | 59.0 | 51.1 | 0.55 | 0.77 | 2.9 | 1.9 | 1.9 | 2.4 | 0.00175 | 12.0 |
| IE3-KPR 80 G8 | KPR 80 G8 IE3 | 0.3 | 3.33 | 860 | IE3- 68.0 | 65.8 | 59.8 | 0.55 | 0.98 | 3.1 | 1.3 | 1.3 | 2.2 | 0.003 | 14.0 |
| IE3-KPR 90 S8 | KPR 90 S8 IE3 | 0.44 | 4.91 | 855 | IE3- 72.0 | 69.3 | 64.8 | 0.63 | 1.22 | 3.2 | 1.6 | 1.6 | 1.9 | 0.00625 | 25.0 |
| IE3-KPR 90 L8 | KPR 90 L8 IE3 | - | - | - | - | - | - | - | - | - | - | - | - | 0.0072 | 26.0 |
| IE3-KPR 100 L8 | KPR 100 L8 IE3 | 0.9 | 9.95 | 865 | IE3- 75.5 | 78.8 | 75.5 | 0.66 | 2.12 | 4.8 | 2.3 | 2.3 | 2.8 | 0.01225 | 33.5 |
| IE3-KPR 100 LX8 | KPR 100 LX8 IE3 | 1.25 | 13.90 | 860 | IE3- 78.5 | 79.8 | 76.3 | 0.63 | 3.1 | 4.2 | 1.7 | 1.5 | 2.4 | 0.0139 | 36.0 |
| IE3-KPER 112 MZ8 | KPER 112 MZ8 IE3 | 1.25 | | | | | | | | | | | | 0.0155 | 46.0 |
| IE3-KPER 132 S8 | KPER 132 S8 IE3 | | | | | | | | | | | | | 0.043 | 70.0 |
| IE3-W41R 132 M8 | K11R 132 M8 IE3 | 3 | | | | | | | | | | | | 0.043 | 74 |
| IE3-W41R 160 M8 | K11R 160 M8 IE3 | 4.8 | 51 | 885 | IE3- 88.4 | 87.9 | 85.4 | 0.72 | 9.5 | 5.1 | 2.3 | 2.0 | 2.6 | 0.113 | 119 |
| IE3-W41R 160 MX8 | K11R 160 MX8 IE3 | 5.5 | | | | | | | | | | | | 0.145 | 143 |
| IE3-W41R 160 L8 | K11R 160 L8 IE3 | 7.5 | | | | | | | | | | | | 0.166 | 155 |
| IE3-W41R 180 L8 | K11R 180 L8 IE3 | 11 | | | | | | | | | | | | 0.228 | 175 |
| IE3-W41R 200 L8 | K11R 200 L8 IE3 | 18 | 196 | 878 | IE3- 90.3 | 90.7 | 89.7 | 0.80 | 31.5 | 4.9 | 1.7 | 1.6 | 2.3 | 0.324 | 235 |
| IE3-W41R 225 S8 | K11R 225 S8 IE3 | 18.5 | | | | | | | | | | | | 0.514 | 310 |
| IE3-W41R 225 M8 | K11R 225 M8 IE3 | 22 | | | | | | | | | | | | 0.825 | 360 |
| IE3-W41R 250 M8 | K11R 250 M8 IE3 | 30 | | | | | | | | | | | | 0.92 | 420 |
| IE3-W41R 280 S8 | K11R 280 S8 IE3 | 37 | | | | | | | | | | | | 1.55 | 555 |
| IE3-W41R 280 M8 | K11R 280 M8 IE3 | 54 | 579 | 890 | IE3- 93.6 | 93.0 | 92.4 | 0.79 | 91.5 | 6.0 | 1.5 | 1.3 | 2.1 | 2.63 | 700 |
| IE3-W41R 315 S8 | K11R 315 S8 IE3 | 55 | | | | | | | | | | | | 3.33 | 805 |
| IE3-W41R 315 M8 | K11R 315 M8 IE3 | 75 | | | | | | | | | | | | 5.55 | 1120 |
| IE3-W41R 315 MX8 | K11R 315 MX8 IE3 | 108 | 1152 | 895 | IE3- 94.8 | 94.7 | 94.7 | 0.78 | 183 | 8.0 | 1.6 | 1.6 | 2.6 | 6 | 1185 |
| IE3-W41R 315 MY8 | K11R 315 MY8 IE3 | 120 | 1288 | 890 | IE3- 94.2 | 94.2 | 94.2 | 0.82 | 195 | 6.6 | 1.8 | 1.6 | 2.2 | 6.76 | 1250 |
| IE3-W41R 315 L8 | K11R 315 L8 IE3 | 110 | | | | | | | | | | | | 8.71 | 1450 |
| IE3-W41R 355 MY8 | K22R 355 MY8 IE3 | 132 | | | | | | | | | | | | 9.3 | 1700 |
| IE3-W41R 355 M8 | K22R 355 M8 IE3 | 160 | | | | | | | | | | | | 9.5 | 1890 |
| IE3-W41R 355 LY8 | K22R 355 LY8 IE3 | 200 | | | | | | | | | | | | 15.8 | 2400 |

***) upon request

Three-phase motors with squirrel-cage rotor for marine use, High Efficiency IE2

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 50 Hz

| Motor selection data | | | | | | | | | | | | | Design point 400 V, 50 Hz | | |
|---------------------------------------|---------------------|----------------|----------------|----------------|----------------|------|------|-------------------|----------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------|------|
| Type | Type | P _B | M _B | n _B | η _B | | | cosφ _B | I _B | I _A /I _B | M _A /M _B | M _S /M _B | M _K /M _B | J | m |
| GL | DNV, RS, LR | | | | (EN 60034-2-1) | | | | 400 V | | | | | | |
| DNV-GL | BV, ABS, CCS | | | | | | | | | | | | | | |
| RS (KP.. only) | | kW | Nm | rpm | 100% | 75% | 50% | - | A | - | - | - | - | kgm ² | kg |
| Synchronous 3000 rpm – 2-pole version | | | | | | | | | | | | | | | |
| IE2-KPR 56 G2 | KPR 56 G2 IE2 | 0.12 | 0.41 | 2810 | IE2- 53.6 | 65.5 | 61.6 | 0.83 | 0.31 | 4.7 | 2.0 | 2.0 | 2.2 | 0.00015 | 4.8 |
| IE2-KPR 63 K2 | KPR 63 K2 IE2 | 0.18 | 0.61 | 2840 | IE2- 60.4 | 68.6 | 63.5 | 0.84 | 0.44 | 5.5 | 2.5 | 2.4 | 2.9 | 0.00025 | 6.3 |
| IE2-KPR 63 G2 | KPR 63 G2 IE2 | 0.25 | 0.83 | 2860 | IE2- 64.8 | 77.6 | 73.6 | 0.84 | 0.55 | 6.2 | 2.6 | 2.5 | 2.8 | 0.00032 | 7 |
| IE2-KPR 71 K2 | KPR 71 K2 IE2 | 0.37 | 1.24 | 2860 | IE2- 69.5 | 74.2 | 72.7 | 0.87 | 0.78 | 7.1 | 2.9 | 2.7 | 3.1 | 0.00057 | 10 |
| IE2-KPR 71 G2 | KPR 71 G2 IE2 | 0.55 | 1.83 | 2870 | IE2- 74.1 | 78.3 | 75.4 | 0.86 | 1.14 | 7.4 | 3.0 | 2.7 | 3.3 | 0.00072 | 11.2 |
| IE2-KPR 80 K2 | KPR 80 K2 IE2 | 0.75 | 2.49 | 2880 | IE2- 77.4 | 83.6 | 81.6 | 0.88 | 1.48 | 7.7 | 2.2 | 2.1 | 2.7 | 0.00132 | 15 |
| IE2-KPR 80 G2 | KPR 80 G2 IE2 | 1.1 | 3.64 | 2885 | IE2- 79.6 | 82.1 | 81.2 | 0.89 | 2.15 | 7.8 | 2.5 | 2.3 | 2.8 | 0.0017 | 18 |
| IE2-KPR 90 S2 | KPR 90 S2 IE2 | 1.5 | 4.92 | 2910 | IE2- 81.3 | 85.5 | 82.9 | 0.87 | 2.9 | 9.0 | 2.8 | 2.4 | 3.4 | 0.00275 | 23.5 |
| IE2-KPR 90 L2 | KPR 90 L2 IE2 | 2.2 | 7.29 | 2880 | IE2- 83.2 | 85.7 | 83.9 | 0.88 | 4.25 | 8.0 | 2.5 | 2.3 | 2.9 | 0.00275 | 23.5 |
| IE2-KPR 100 L2 | KPR 100 L2 IE2 | 3 | 9.78 | 2930 | IE2- 84.6 | 86.2 | 83.5 | 0.76 | 6.55 | 8.5 | 2.6 | 2.4 | 3.8 | 0.0045 | 31 |
| IE2-KPER 112 MX2 | KPER 112 MX2 IE2 | 4 | 13.08 | 2920 | IE2- 85.8 | 86.4 | 85.8 | 0.84 | 7.9 | 8.3 | 2.3 | 2.1 | 3.3 | 0.0055 | 38 |
| IE2-KPER 112 MV2 | KPER 112 MV2 IE2 | 5.5 | 18.11 | 2900 | IE2- 87.0 | 88.7 | 88.8 | 0.88 | 10.3 | 7.8 | 2.0 | 1.9 | 2.7 | 0.0068 | 46 |
| IE2-KPER 132 S2T | KPER 132 S2T IE2 | 5.5 | 18.1 | 2900 | IE2- 87.0 | 88.7 | 88.8 | 0.88 | 10.3 | 7.8 | 2.0 | 1.9 | 2.7 | 0.0068 | 48 |
| IE2-KPER 132 S2 | KPER 132 S2 IE2 | 5.5 | 17.96 | 2935 | IE2- 87.0 | 87.5 | 85.1 | 0.8 | 11.2 | 9.1 | 2.8 | 2.2 | 4.0 | 0.011 | 57 |
| IE2-WE1R 132 SX2 | K11R 132 SX2 E1 IE2 | 7.5 | 24.5 | 2925 | IE2- 88.8 | 89.2 | 88.3 | 0.91 | 13.5 | 6.7 | 2.1 | 1.6 | 2.9 | 0.0168 | 75 |
| IE2-WE1R 160 M2 | K11R 160 M2 E1 IE2 | 11 | 35.6 | 2950 | IE2- 90.3 | 90.3 | 89.1 | 0.9 | 19.5 | 7.7 | 2.3 | 1.7 | 3.1 | 0.0258 | 125 |
| IE2-WE1R 160 MX2 | K11R 160 MX2 E1 IE2 | 15 | 48.7 | 2940 | IE2- 90.7 | 90.5 | 89.1 | 0.92 | 26 | 6.7 | 1.8 | 1.4 | 2.6 | 0.0675 | 140 |
| IE2-WE1R 160 L2 | K11R 160 L2 E1 IE2 | 18.5 | 60.2 | 2935 | IE2- 91.0 | 91.4 | 91.4 | 0.91 | 32 | 7.2 | 2.0 | 1.5 | 2.8 | 0.0675 | 140 |
| IE2-WE1R 180 M2 | K11R 180 M2 E1 IE2 | 22 | 72 | 2935 | IE2- 91.3 | 90.6 | 86.4 | 0.9 | 38.5 | 6.2 | 1.4 | 1.1 | 2.4 | 0.105 | 173 |
| IE2-WE1R 200 L2 | K11R 200 L2 E1 IE2 | 30 | 97 | 2945 | IE2- 92.0 | 91.3 | 90.5 | 0.91 | 52 | 6.9 | 1.7 | 1.3 | 2.6 | 0.128 | 210 |
| IE2-WE1R 200 LX2 | K11R 200 LX2 E1 IE2 | 37 | 120 | 2940 | IE2- 92.5 | 92.3 | 91.6 | 0.92 | 63 | 7.4 | 1.9 | 1.4 | 2.9 | 0.154 | 233 |
| IE2-WE2R 200 LX2 | K11R 200 LX2 E2 IE2 | 37 | 120 | 2955 | IE2- 92.9 | 93.2 | 92.5 | 0.9 | 64 | 8.1 | 2.3 | 1.8 | 3.3 | 0.154 | 238 |
| IE2-WE1R 225 M2 | K11R 225 M2 E1 IE2 | 45 | 146 | 2950 | IE2- 92.9 | 92.2 | 91.2 | 0.87 | 80.5 | 6.9 | 1.7 | 1.1 | 2.7 | 0.220 | 295 |
| IE2-WE1R 250 M2 | K11R 250 M2 E1 IE2 | 55 | 178 | 2955 | IE2- 93.5 | 93.7 | 93.2 | 0.89 | 95.5 | 8.2 | 2.3 | 1.9 | 2.8 | 0.375 | 385 |
| IE2-WE1R 280 S2 | K11R 280 S2 E1 IE2 | 75 | 241 | 2970 | IE2- 94.1 | 94.0 | 91.5 | 0.9 | 128 | 7.9 | 2.1 | 1.7 | 3.0 | 0.65 | 500 |
| IE2-WE1R 280 M2 | K11R 280 M2 E1 IE2 | 90 | 289 | 2970 | IE2- 94.4 | 94.1 | 91.9 | 0.91 | 151 | 7.7 | 2.0 | 1.7 | 2.8 | 0.68 | 550 |
| IE2-WE1R 315 S2 | K11R 315 S2 E1 IE2 | 110 | 353 | 2975 | IE2- 94.5 | 94.3 | 93.3 | 0.89 | 189 | 8.0 | 1.3 | 1.2 | 2.4 | 1.21 | 730 |
| IE2-WE1R 315 M2 | K11R 315 M2 E1 IE2 | 132 | 424 | 2975 | IE2- 95.0 | 94.8 | 94.5 | 0.89 | 225 | 9.2 | 1.4 | 1.2 | 2.4 | 1.44 | 820 |
| IE2-WE1R 315 MX2 | K11R 315 MX2 E1 IE2 | 160 | 514 | 2973 | IE2- 94.8 | 94.8 | 94.8 | 0.89 | 274 | 8.2 | 1.3 | 1.3 | 2.4 | 1.76 | 955 |
| IE2-WE1R 315 MY2 | K11R 315 MY2 E1 IE2 | 200 | 640 | 2983 | IE2- 95.4 | 95.0 | 94.3 | 0.88 | 344 | 9.4 | 2.8 | 2.0 | 3.0 | 2.82 | 1200 |
| IE2-WE1R 315 L2 | K11R 315 L2 E1 IE2 | 250 | 800 | 2984 | IE2- 95.4 | 95.4 | 95.4 | 0.92 | 411 | 9.0 | 2.3 | 1.2 | 2.3 | 3.66 | 1450 |
| IE2-WE1R 315 LX2 | K11R 315 LX2 E1 IE2 | 315 | 1008 | 2985 | IE2- 95.4 | 95.4 | 95.0 | 0.92 | 518 | 8.5 | 2.8 | 1.6 | 2.5 | 4.43 | 1700 |
| IE2-WE2R 355 M2 | W22R 355 M2 E1 IE2 | 355 | 1136 | 2985 | IE2- 95.5 | 95.5 | 95.5 | 0.92 | 583 | 7.7 | 1.3 | 1.0 | 2.6 | 4.20 | 2000 |
| IE2-WE2R 355 MX2 | W22R 355 MX2 E1 IE2 | 400 | 1278 | 2990 | IE2- 95.5 | 95.5 | 95.5 | 0.91 | 664 | 9.4 | 1.8 | 1.0 | 3.0 | 4.50 | 2200 |
| IE2-WE2R 355 LY2 | W22R 355 LY2 E1 IE2 | 450 | 1440 | 2985 | IE2- 95.5 | 95.5 | 95.5 | 0.92 | 739 | 7.0 | 1.3 | 0.9 | 2.4 | 7.10 | 2400 |
| IE2-WE2R 355 L2 | W22R 355 L2 E1 IE2 | 500 | 1597 | 2990 | IE2- 95.5 | 95.5 | 95.5 | 0.92 | 821 | 8.5 | 1.5 | 1.2 | 2.5 | 7.10 | 2400 |

Three-phase motors with squirrel-cage rotor for marine use, High Efficiency IE2

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 50 Hz

| Motor selection data | | | | | | | | | | | | | Design point 400 V, 50 Hz | | |
|---------------------------------------|---------------------|-------|-------|-------|----------------|------|------|-----------------|-------|-----------|-----------|-----------|---------------------------|------------------|------|
| Type | Type | P_B | M_B | n_B | η_B | | | $\cos\varphi_B$ | I_B | I_A/I_B | M_A/M_B | M_S/M_B | M_K/M_B | J | m |
| GL | DNV, RS, LR | | | | (EN 60034-2-1) | | | | 400 V | | | | | | |
| DNV-GL | BV, ABS, CCS | | | | | | | | | | | | | | |
| RS (KP.. only) | | kW | Nm | rpm | 100% | 75% | 50% | - | A | - | - | - | - | kgm ² | kg |
| Synchronous 1500 rpm – 4-pole version | | | | | | | | | | | | | | | |
| IE2-KPR 63 K4 | KPR 63 K4 IE2 | 0.12 | 0.82 | 1400 | IE2- 59.1 | 69.1 | 63.9 | 0.71 | 0.35 | 3.8 | 2 | 1.9 | 2.3 | 0.0004 | 6.3 |
| IE2-KPR 63 G4 | KPR 63 G4 IE2 | 0.18 | 1.21 | 1425 | IE2- 64.7 | 66.6 | 60.7 | 0.64 | 0.57 | 4.4 | 1.8 | 1.8 | 2.7 | 0.0005 | 7.1 |
| IE2-KPR 71 K4 | KPR 71 K4 IE2 | 0.25 | 1.67 | 1430 | IE2- 68.5 | 76.6 | 73 | 0.71 | 0.66 | 5.6 | 2.5 | 2.3 | 2.9 | 0.00087 | 9.9 |
| IE2-KPR 71 G4 | KPR 71 G4 IE2 | 0.37 | 2.47 | 1430 | IE2- 72.7 | 78.2 | 73.1 | 0.69 | 0.98 | 6.2 | 2.8 | 2.6 | 3.2 | 0.00107 | 11 |
| IE2-KPR 80 K4 | KPR 80 K4 IE2 | 0.55 | 3.67 | 1430 | IE2- 77.1 | 79.6 | 78.7 | 0.8 | 1.25 | 6 | 2.4 | 2.3 | 2.7 | 0.00207 | 14.5 |
| IE2-KPR 80 G4 | KPR 80 G4 IE2 | 0.75 | 5.01 | 1430 | IE2- 79.6 | 81.4 | 79.6 | 0.81 | 1.65 | 7.0 | 2.9 | 2.8 | 3.2 | 0.0026 | 17 |
| IE2-KPR 90 S4 | KPR 90 S4 IE2 | 1.1 | 7.32 | 1435 | IE2- 81.4 | 82.3 | 80.4 | 0.8 | 2.42 | 6.8 | 2.4 | 2.2 | 2.9 | 0.004 | 23 |
| IE2-KPR 90 L4 | KPR 90 L4 IE2 | 1.5 | 9.91 | 1445 | IE2- 82.8 | 83.2 | 80.7 | 0.77 | 3.35 | 7.2 | 3.2 | 3.0 | 3.5 | 0.0045 | 28 |
| IE2-KPR 100 L4 | KPR 100 L4 IE2 | 2.2 | 14.4 | 1455 | IE2- 84.3 | 85.2 | 81.7 | 0.77 | 4.8 | 9.3 | 3.2 | 3.0 | 3.6 | 0.009 | 36 |
| IE2-KPR 100 LX4 | KPR 100 LX4 IE2 | 3 | 19.7 | 1455 | IE2- 85.5 | 86.3 | 84.5 | 0.77 | 6.5 | 9.0 | 3.3 | 3.1 | 3.9 | 0.011 | 45 |
| IE2-KPER 112 MZ4 | KPER 112 MZ4 IE2 | 4 | 26.4 | 1445 | IE2- 86.6 | 87.0 | 85.0 | 0.8 | 8.3 | 8.2 | 2.8 | 2.6 | 3.6 | 0.013 | 50 |
| IE2-KPR 112 M4 | KPR 112 M4 IE2 | 4.00 | 26.2 | 1460 | IE2- 86.6 | 87.9 | 86.2 | 0.86 | 7.6 | 8.7 | 2.6 | 2.4 | 4.1 | 0.017 | 56 |
| IE2-KPER 132 S4 | KPER 132 S4 IE2 | 5.50 | 35.9 | 1465 | IE2- 87.7 | 87.2 | 84.8 | 0.79 | 11.3 | 9.3 | 3 | 2.8 | 4.9 | 0.02 | 64 |
| IE2-WE1R 132 S4 | K11R 132 S4 E1 IE2 | 5.5 | 35.7 | 1470 | IE2- 89.8 | 89.9 | 88.4 | 0.87 | 10 | 7.4 | 2.3 | 1.9 | 3.4 | 0.035 | 87 |
| IE2-WE1R 132 M4 | K11R 132 M4 E1 IE2 | 7.5 | 48.7 | 1470 | IE2- 89.9 | 90.0 | 88.5 | 0.82 | 14.5 | 8.5 | 2.6 | 2.1 | 4.0 | 0.035 | 88 |
| IE2-WE1R 160 M4 | K11R 160 M4 E1 IE2 | 11 | 71 | 1475 | IE2- 90.6 | 90.3 | 88.5 | 0.82 | 21.5 | 8.1 | 3.1 | 2.4 | 3.4 | 0.078 | 122 |
| IE2-WE2R 160 M4 | K11R 160 M4 E2 IE2 | 11 | 71 | 1470 | IE2- 90.3 | 90.3 | 88.9 | 0.78 | 22.5 | 7.8 | 2.4 | 2.1 | 3.9 | 0.043 | 105 |
| IE2-WE1R 160 L4 | K11R 160 L4 E1 IE2 | 15 | 97 | 1480 | IE2- 92.0 | 92.0 | 90.6 | 0.84 | 28 | 9.1 | 3.0 | 2.5 | 3.9 | 0.115 | 160 |
| IE2-WE2R 160 L4 | K11R 160 L4 E2 IE2 | 15 | 97 | 1480 | IE2- 92.0 | 92.0 | 90.6 | 0.84 | 28 | 9.1 | 3.0 | 2.5 | 3.9 | 0.115 | 161 |
| IE2-WE1R 180 M4 | K11R 180 M4 E1 IE2 | 18.5 | 120 | 1475 | IE2- 91.5 | 91.5 | 90.4 | 0.86 | 34 | 6.8 | 1.8 | 1.5 | 2.7 | 0.168 | 207 |
| IE2-WE2R 180 M4 | K11R 180 M4 E2 IE2 | 18.5 | 120 | 1470 | IE2- 91.2 | 90.6 | 89.3 | 0.78 | 37.5 | 6.4 | 2.0 | 1.6 | 2.8 | 0.138 | 176 |
| IE2-WE1R 180 L4 | K11R 180 L4 E1 IE2 | 22 | 142 | 1475 | IE2- 91.6 | 91.4 | 89.9 | 0.83 | 42 | 7.3 | 2.1 | 1.7 | 3.0 | 0.168 | 215 |
| IE2-WE1R 200 L4 | K11R 200 L4 E1 IE2 | 30 | 194 | 1480 | IE2- 92.3 | 91.3 | 88.2 | 0.80 | 58.5 | 7.3 | 2.1 | 1.7 | 2.9 | 0.275 | 277 |
| IE2-WE1R 225 S4 | K11R 225 S4 E1 IE2 | 37 | 240 | 1475 | IE2- 92.7 | 91.8 | 90.7 | 0.84 | 68.5 | 7.4 | 2.2 | 1.7 | 2.7 | 0.313 | 313 |
| IE2-WE1R 225 M4 | K11R 225 M4 E1 IE2 | 45 | 290 | 1483 | IE2- 93.1 | 93.0 | 91.1 | 0.84 | 83 | 7.9 | 2.3 | 1.9 | 2.4 | 0.525 | 390 |
| IE2-WE2R 225 M4 | K11R 225 M4 E2 IE2 | 45 | 291 | 1475 | IE2- 93.1 | 92.9 | 92.1 | 0.80 | 87 | 7.6 | 2.6 | 1.9 | 3.1 | 0.356 | 346 |
| IE2-WE1R 250 M4 | K11R 250 M4 E1 IE2 | 55 | 354 | 1485 | IE2- 94.0 | 94.1 | 92.5 | 0.84 | 101 | 8.0 | 2.0 | 1.7 | 2.3 | 0.95 | 535 |
| IE2-WE2R 250 M4 | K11R 250 M4 E2 IE2 | 55 | 356 | 1477 | IE2- 93.9 | 93.8 | 93.7 | 0.82 | 103 | 7.5 | 2.4 | 1.9 | 2.4 | 0.62 | 435 |
| IE2-WE1R 280 S4 | K11R 280 S4 E1 IE2 | 75 | 482 | 1485 | IE2- 94.2 | 94.4 | 92.1 | 0.84 | 137 | 7.2 | 1.8 | 1.6 | 2.1 | 0.95 | 550 |
| IE2-WE1R 280 M4 | K11R 280 M4 E1 IE2 | 90 | 580 | 1483 | IE2- 94.3 | 94.5 | 94.0 | 0.84 | 164 | 7.6 | 1.8 | 1.6 | 2.3 | 1.10 | 610 |
| IE2-WE1R 315 S4 | K11R 315 S4 E1 IE2 | 110 | 707 | 1485 | IE2- 94.8 | 94.8 | 94.0 | 0.82 | 204 | 8.5 | 1.8 | 1.5 | 2.7 | 1.96 | 760 |
| IE2-WE1R 315 M4 | K11R 315 M4 E1 IE2 | 132 | 849 | 1484 | IE2- 95.0 | 95.0 | 94.5 | 0.83 | 242 | 8.2 | 1.8 | 1.6 | 2.3 | 2.27 | 850 |
| IE2-WE1R 315 MX4 | K11R 315 MX4 E1 IE2 | 160 | 1031 | 1482 | IE2- 95.0 | 95.0 | 94.5 | 0.84 | 289 | 7.4 | 1.6 | 1.4 | 2.2 | 2.73 | 975 |
| IE2-WE1R 315 MY4 | K11R 315 MY4 E1 IE2 | 200 | 1282 | 1490 | IE2- 95.1 | 95.1 | 94.5 | 0.87 | 349 | 8.5 | 1.8 | 1.6 | 2.5 | 4.82 | 1270 |
| IE2-WE1R 315 L4 | K11R 315 L4 E1 IE2 | 250 | 1602 | 1490 | IE2- 95.4 | 95.4 | 95.3 | 0.88 | 430 | 9.0 | 2.2 | 1.5 | 2.7 | 5.93 | 1450 |
| IE2-WE1R 315 LX4 | K11R 315 LX4 E1 IE2 | 315 | 2019 | 1490 | IE2- 95.4 | 95.4 | 95.0 | 0.88 | 542 | 9.0 | 2.4 | 1.6 | 2.6 | 6.82 | 1630 |
| IE2-WE2R 355 M4 | W22R 355 M4 E1 IE2 | 355 | 2271 | 1493 | IE2- 95.5 | 95.5 | 95.0 | 0.87 | 617 | 8.0 | 1.3 | 1.0 | 2.7 | 7.90 | 2150 |
| IE2-WE2R 355 MX4 | W22R 355 MX4 E1 IE2 | 400 | 2557 | 1494 | IE2- 95.5 | 95.5 | 95.5 | 0.88 | 687 | 8.5 | 1.3 | 1.0 | 3.0 | 9.50 | 2400 |
| IE2-WE2R 355 LY4 | W22R 355 LY4 E1 IE2 | 450 | 2873 | 1496 | IE2- 95.5 | 95.5 | 95.5 | 0.86 | 791 | 8.5 | 1.4 | 0.8 | 2.9 | 10.00 | 2500 |
| IE2-WE2R 355 L4 | W22R 355 L4 E1 IE2 | 500 | 3198 | 1493 | IE2- 95.5 | 95.5 | 95.5 | 0.84 | 900 | 8.0 | 1.2 | 0.9 | 3.0 | 10.00 | 2500 |

Three-phase motors with squirrel-cage rotor for marine use, High Efficiency IE2

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 50 Hz

| Motor selection data | | | | | | | | | | | | | Design point 400 V, 50 Hz | | | |
|---------------------------------------|---------------------|----------------|----------------|----------------|----------------|------|------|-------------------|----------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------|------|--|
| Type | Type | P _B | M _B | n _B | η _B | | | cosφ _B | I _B | I _A /I _B | M _A /M _B | M _S /M _B | M _K /M _B | J | m | |
| GL | DNV, RS, LR | | | | (EN 60034-2-1) | | | | 400 V | | | | | | | |
| DNV-GL | BV, ABS, CCS | | | | | | | | | | | | | | | |
| RS (KP.. only) | | kW | Nm | rpm | 100 % | 75 % | 50 % | - | A | - | - | - | - | kgm ² | kg | |
| Synchronous 1000 rpm – 6-pole version | | | | | | | | | | | | | | | | |
| IE2-KPR 71 K6 | KPR 71 K6 IE2 | 0.18 | 1.85 | 930 | IE2- 56.6 | 65.0 | 59.4 | 0.68 | 0.57 | 3.4 | 2.0 | 2.0 | 2.2 | 0.0013 | 11 | |
| IE2-KPR 71 G6 | KPR 71 G6 IE2 | 0.25 | 2.55 | 935 | IE2- 61.6 | 69.9 | 65.0 | 0.67 | 0.75 | 3.9 | 2.3 | 2.3 | 2.5 | 0.00175 | 12.5 | |
| IE2-KPR 80 K6 | KPR 80 K6 IE2 | 0.37 | 3.72 | 950 | IE2- 67.6 | 73.5 | 69.7 | 0.70 | 1.03 | 4.0 | 1.9 | 1.9 | 2.4 | 0.00325 | 15 | |
| IE2-KPR 80 G6 | KPR 80 G6 IE2 | 0.55 | 5.53 | 950 | IE2- 73.1 | 75.9 | 72.4 | 0.69 | 1.50 | 4.1 | 2.1 | 2.1 | 2.5 | 0.00425 | 18 | |
| IE2-KPR 90 S6 | KPR 90 S6 IE2 | 0.75 | 7.5 | 955 | IE2- 75.9 | 78.3 | 75.1 | 0.71 | 1.95 | 4.9 | 2.4 | 2.3 | 2.6 | 0.00625 | 24 | |
| IE2-KPR 90 L6 | KPR 90 L6 IE2 | 1.1 | 11 | 955 | IE2- 78.1 | 82.0 | 79.3 | 0.71 | 2.75 | 5.4 | 2.5 | 2.4 | 2.8 | 0.0072 | 30 | |
| IE2-KPR 100 LX6 | KPR 100 LX6 IE2 | 1.5 | 15 | 955 | IE2- 79.8 | 83.5 | 81.5 | 0.76 | 3.45 | 5.9 | 2.3 | 2.2 | 2.8 | 0.0139 | 36 | |
| IE2-KPER 112 MV6 | KPER 112 MV6 IE2 | 2.2 | 22 | 955 | IE2- 81.8 | 82.5 | 79.8 | 0.75 | 5.15 | 5.7 | 2.4 | 2.3 | 2.9 | 0.0155 | 48 | |
| IE2-KPER 112 MZ6 | KPER 112 MZ6 IE2 | 3 | 30 | 955 | IE2- 83.3 | 83.1 | 80.5 | 0.75 | 6.85 | 6.5 | 2.8 | 2.7 | 3.5 | 0.043 | 50 | |
| IE2-KPER 132 SX6T | KPER 132 SX6T IE2 | 3 | 30.0 | 955 | IE2- 83.3 | 83.1 | 80.5 | 0.73 | 7.1 | 7.0 | 3.2 | 3.1 | 4.0 | 0.0165 | 52 | |
| IE2-KPER 132 S6 | KPER 132 S6 IE2 | 3 | 29.7 | 965 | IE2- 84.9 | 84.4 | 82.0 | 0.77 | 6.7 | 6.8 | 2.5 | 2.4 | 3.7 | 0.023 | 55 | |
| IE2-KPER 132 M6 | KPER 132 M6 IE2 | 4 | 39.6 | 965 | IE2- 84.6 | 85.5 | 83.6 | 0.78 | 8.8 | 6.8 | 2.4 | 2.4 | 3.6 | 0.029 | 66 | |
| IE2-WE1R 132 M6 | K11R 132 M6 E1 IE2 | 4 | 39.6 | 965 | IE2- 85.5 | 85.5 | 83.8 | 0.79 | 8.5 | 5.1 | 1.8 | 1.6 | 2.4 | 0.043 | 76 | |
| IE2-WE1R 132 MX6 | K11R 132 MX6 E1 IE2 | 5.5 | 54 | 970 | IE2- 86.1 | 85.5 | 82.4 | 0.77 | 12 | 5.7 | 2.2 | 1.7 | 2.7 | 0.053 | 85 | |
| IE2-WE1R 160 M6 | K11R 160 M6 E1 IE2 | 7.5 | 73 | 975 | IE2- 87.4 | 88.1 | 86.0 | 0.81 | 15.5 | 6.3 | 2.5 | 2.1 | 2.9 | 0.113 | 118 | |
| IE2-WE2R 160 M6 | K11R 160 M6 E2 IE2 | 7.5 | 74 | 970 | IE2- 87.5 | 87.6 | 85.9 | 0.79 | 15.5 | 5.9 | 2.1 | 1.8 | 2.9 | 0.053 | 103 | |
| IE2-WE1R 160 L6 | K11R 160 L6 E1 IE2 | 11 | 108 | 970 | IE2- 88.7 | 87.9 | 86.3 | 0.85 | 21 | 5.8 | 2.2 | 1.9 | 2.7 | 0.145 | 135 | |
| IE2-WE2R 160 L6 | K11R 160 L6 E2 IE2 | 11 | 108 | 975 | IE2- 88.9 | 88.8 | 87.0 | 0.81 | 22 | 6.8 | 2.7 | 2.4 | 3.1 | 0.166 | 155 | |
| IE2-WE1R 180 L6 | K11R 180 L6 E1 IE2 | 15 | 147 | 975 | IE2- 89.7 | 88.8 | 86.7 | 0.84 | 28.5 | 6.2 | 2.1 | 1.8 | 2.8 | 0.228 | 185 | |
| IE2-WE2R 180 L6 | K11R 180 L6 E2 IE2 | 15 | 148 | 970 | IE2- 89.7 | 88.8 | 87.8 | 0.83 | 29 | 5.6 | 2.3 | 1.7 | 2.6 | 0.166 | 157 | |
| IE2-WE1R 200 L6 | K11R 200 L6 E1 IE2 | 18.5 | 180 | 980 | IE2- 90.4 | 88.8 | 86.5 | 0.85 | 35 | 6.6 | 2.3 | 1.7 | 2.9 | 0.268 | 208 | |
| IE2-WE1R 200 LX6 | K11R 200 LX6 E1 IE2 | 22 | 214 | 980 | IE2- 90.9 | 90.2 | 88.5 | 0.86 | 40.5 | 6.4 | 2.2 | 1.8 | 2.7 | 0.443 | 272 | |
| IE2-WE2R 200 LX6 | K11R 200 LX6 E2 IE2 | 22 | 215 | 975 | IE2- 90.9 | 89.9 | 88.5 | 0.84 | 41.5 | 6.7 | 2.4 | 2.0 | 3.0 | 0.324 | 238 | |
| IE2-WE1R 225 M6 | K11R 225 M6 E1 IE2 | 30 | 291 | 985 | IE2- 92.0 | 91.5 | 90.0 | 0.86 | 54.5 | 7.3 | 2.5 | 2.2 | 2.9 | 0.825 | 365 | |
| IE2-WE2R 225 M6 | K11R 225 M6 E2 IE2 | 30 | 291 | 985 | IE2- 92.0 | 91.5 | 90.0 | 0.86 | 54.5 | 7.3 | 2.5 | 2.2 | 2.9 | 0.825 | 365 | |
| IE2-WE1R 250 M6 | K11R 250 M6 E1 IE2 | 37 | 359 | 985 | IE2- 92.2 | 91.7 | 90.7 | 0.85 | 68 | 6.4 | 2.7 | 1.8 | 2.4 | 1.28 | 480 | |
| IE2-WE2R 250 M6 | K11R 250 M6 E2 IE2 | 37 | 359 | 985 | IE2- 92.2 | 91.7 | 90.7 | 0.85 | 68 | 6.4 | 2.7 | 1.8 | 2.4 | 1.28 | 480 | |
| IE2-WE1R 280 S6 | K11R 280 S6 E1 IE2 | 45 | 437 | 983 | IE2- 93.0 | 92.7 | 92.4 | 0.87 | 80.5 | 6.5 | 2.2 | 1.7 | 2.4 | 1.48 | 560 | |
| IE2-WE1R 280 M6 | K11R 280 M6 E1 IE2 | 55 | 531 | 990 | IE2- 93.5 | 93.5 | 93.0 | 0.85 | 100 | 7.6 | 2.0 | 1.5 | 2.5 | 2.63 | 710 | |
| IE2-WE1R 315 S6 | K11R 315 S6 E1 IE2 | 75 | 723 | 990 | IE2- 93.9 | 93.7 | 93.5 | 0.87 | 133 | 7.8 | 1.9 | 1.5 | 2.5 | 3.33 | 804 | |
| IE2-WE1R 315 M6 | K11R 315 M6 E1 IE2 | 90 | 868 | 990 | IE2- 94.0 | 94.0 | 93.5 | 0.88 | 157 | 7.5 | 1.8 | 1.5 | 2.5 | 3.60 | 865 | |
| IE2-WE1R 315 MX6 | K11R 315 MX6 E1 IE2 | 110 | 1061 | 990 | IE2- 94.3 | 94.3 | 94.0 | 0.87 | 194 | 7.5 | 1.8 | 1.4 | 2.3 | 6.67 | 1210 | |
| IE2-WE1R 315 MY6 | K11R 315 MY6 E1 IE2 | 132 | 1273 | 990 | IE2- 94.6 | 94.3 | 94.0 | 0.87 | 231 | 7.5 | 1.9 | 1.4 | 2.2 | 6.67 | 1250 | |
| IE2-WE1R 315 L6 | K11R 315 L6 E1 IE2 | 160 | 1543 | 990 | IE2- 94.8 | 94.5 | 93.5 | 0.88 | 277 | 7.5 | 2.0 | 1.5 | 2.4 | 8.60 | 1430 | |
| IE2-WE1R 315 LX6 | K11R 315 LX6 E1 IE2 | 200 | 1929 | 990 | IE2- 95.0 | 95.0 | 94.5 | 0.86 | 353 | 7.0 | 1.9 | 1.5 | 2.2 | 8.60 | 1460 | |
| IE2-WE2R 355 M6 | W22R 355 M6 E1 IE2 | 250 | 2402 | 994 | IE2- 95.0 | 95.0 | 94.7 | 0.84 | 452 | 7.0 | 1.5 | 1.2 | 2.2 | 8.20 | 1850 | |
| IE2-WE2R 355 MX6 | W22R 355 MX6 E1 IE2 | 315 | 3023 | 995 | IE2- 95.2 | 95.2 | 95.2 | 0.86 | 555 | 7.0 | 1.3 | 1.1 | 2.2 | 12.10 | 2200 | |
| IE2-WE2R 355 LY6 | W22R 355 LY6 E1 IE2 | 355 | 3407 | 995 | IE2- 95.0 | 95.0 | 94.0 | 0.77 | 700 | 7.5 | 1.8 | 1.5 | 2.6 | 14.00 | 2400 | |

Three-phase motors with squirrel-cage rotor for marine use, High Efficiency IE2

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 50 Hz

| Motor selection data | | | | | | | | | | | | | Design point 400 V, 50 Hz | | |
|--------------------------------------|---------------------|-------|-------|-------|----------------|------|------|-----------------|-------|-----------|-----------|-----------|---------------------------|------------------|------|
| Type | Type | P_B | M_B | n_B | η_B | | | $\cos\varphi_B$ | I_B | I_A/I_B | M_A/M_B | M_S/M_B | M_K/M_B | J | m |
| GL | DNV, RS, LR | | | | (EN 60034-2-1) | | | | 400 V | | | | | | |
| DNV-GL | BV, ABS, CCS | | | | | | | | | | | | | | |
| RS (KP.. only) | | kW | Nm | rpm | 100% | 75% | 50% | - | A | - | - | - | - | kgm ² | kg |
| Synchronous 750 rpm – 8-pole version | | | | | | | | | | | | | | | |
| IE2-KPER 80 G8 | KPER 80 G8 IE2 | 0.25 | 3.43 | 695 | IE2- 50.6 | 50.4 | 42.5 | 0.56 | 1.12 | 3.0 | 2.3 | 2.3 | 2.5 | 0.00175 | 12 |
| IE2-KPR 90 S8 | KPR 90 S8 IE2 | 0.37 | 4.98 | 710 | IE2- 56.1 | 70.3 | 65.7 | 0.63 | 1.20 | 3.6 | 2.1 | 2.1 | 2.3 | 0.00625 | 24 |
| IE2-KPR 90 L8 | KPR 90 L8 IE2 | 0.55 | 7.5 | 700 | IE2- 61.7 | 70.6 | 66.3 | 0.64 | 1.72 | 3.6 | 1.8 | 1.8 | 2.3 | 0.0072 | 26 |
| IE2-KPR 100 L8 | KPR 100 L8 IE2 | 0.75 | 10.02 | 715 | IE2- 66.2 | 75.9 | 71.3 | 0.63 | 2.25 | 4.4 | 2.5 | 2.5 | 2.8 | 0.0123 | 33.5 |
| IE2-KPR 100 LX8 | KPR 100 LX8 IE2 | 1.1 | 14.8 | 710 | IE2- 70.8 | 78.0 | 74.2 | 0.63 | 3.20 | 4.2 | 1.9 | 1.8 | 2.5 | 0.0139 | 36 |
| IE2-KPER 112 MV8 | KPER 112 MV8 IE2 | 1.5 | 20.46 | 700 | IE2- 74.1 | 78.7 | 76.0 | 0.65 | 4.25 | 3.8 | 1.6 | 1.6 | 2.1 | 0.0155 | 48 |
| IE2-KPER 132 S8 | KPER 132 S8 IE2 | 2.2 | 29.2 | 720 | IE2- 77.6 | 81.0 | 77.8 | 0.67 | 5.75 | 5.3 | 2.3 | 2.2 | 3.2 | 0.023 | 55 |
| IE2-KPER 132 M8 | KPER 132 M8 IE2 | 3 | 39.8 | 720 | IE2- 80.0 | 82.0 | 79.1 | 0.67 | 7.90 | 5.2 | 2.3 | 2.1 | 3.2 | 0.029 | 65 |
| IE2-WE1R 132 M8 | K11R 132 M8 E1 IE2 | 3 | 39.8 | 720 | IE2- 82.7 | 83.0 | 81.3 | 0.74 | 7.1 | 3.9 | 1.6 | 1.3 | 1.9 | 0.0430 | 74 |
| IE2-WE1R 160 M8 | K11R 160 M8 E1 IE2 | 4 | 53.2 | 718 | IE2- 84.2 | 83.7 | 81.9 | 0.724 | 9.5 | 4.6 | 1.6 | 0.0 | 2.5 | 0.0530 | 86 |
| IE2-WE1R 160 MX8 | K11R 160 MX8 E1 IE2 | 5.5 | 72 | 730 | IE2- 86.9 | 86.6 | 84.1 | 0.72 | 12.5 | 4.8 | 2.1 | 1.8 | 2.6 | 0.1130 | 115 |
| IE2-WE2R 160 MX8 | K11R 160 MX8 E2 IE2 | 5.5 | 73 | 715 | IE2- 83.9 | 84.0 | 81.9 | 0.71 | 13.5 | 4.3 | 1.7 | 1.5 | 2.5 | 0.0530 | 103 |
| IE2-WE1R 160 L8 | K11R 160 L8 E1 IE2 | 7.5 | 99 | 725 | IE2- 86.9 | 87.6 | 86.6 | 0.76 | 16.5 | 4.5 | 1.8 | 1.6 | 2.3 | 0.1450 | 136 |
| IE2-WE1R 180 L8 | K11R 180 L8 E1 IE2 | 11 | 144 | 727 | IE2- 88.2 | 88.2 | 86.7 | 0.78 | 23 | 4.9 | 1.8 | 1.6 | 2.4 | 0.2280 | 175 |
| IE2-WE2R 180 L8 | K11R 180 L8 E2 IE2 | 11 | 144 | 730 | IE2- 87.9 | 87.4 | 85.2 | 0.67 | 25.5 | 4.3 | 1.9 | 1.6 | 2.3 | 0.1660 | 157 |
| IE2-WE1R 200 L8 | K11R 200 L8 E1 IE2 | 15 | 197 | 727 | IE2- 88.2 | 88.1 | 86.4 | 0.77 | 32 | 4.9 | 1.9 | 1.7 | 2.3 | 0.2680 | 200 |
| IE2-WE1R 225 S8 | K11R 225 S8 E1 IE2 | 18.5 | 242 | 730 | IE2- 89.6 | 89.4 | 87.2 | 0.78 | 38 | 5.4 | 2.1 | 2.0 | 2.8 | 0.44 | 265 |
| IE2-WE2R 225 S8 | K11R 225 S8 E2 IE2 | 18.5 | 240 | 735 | IE2- 90.7 | 90.7 | 89.4 | 0.8 | 37 | 6.1 | 2.1 | 1.9 | 2.9 | 0.51 | 305 |
| IE2-WE1R 225 M8 | K11R 225 M8 E1 IE2 | 22 | 287 | 733 | IE2- 90.6 | 89.4 | 89.9 | 0.78 | 45 | 5.6 | 2.2 | 1.8 | 2.6 | 0.83 | 380 |
| IE2-WE2R 225 M8 | K11R 225 M8 E2 IE2 | 22 | 286 | 735 | IE2- 90.3 | 90.3 | 88.7 | 0.77 | 45.5 | 6.1 | 2.2 | 2.0 | 2.9 | 0.51 | 307 |
| IE2-WE1R 250 M8 | K11R 250 M8 E1 IE2 | 30 | 391 | 732 | IE2- 90.8 | 91.0 | 90.0 | 0.78 | 61.0 | 5.6 | 2.2 | 1.9 | 2.4 | 0.83 | 380 |
| IE2-WE1R 280 S8 | K11R 280 S8 E1 IE2 | 37 | 479 | 737 | IE2- 90.8 | 91.3 | 90.7 | 0.80 | 73.5 | 4.9 | 1.9 | 1.5 | 2.0 | 1.35 | 480 |
| IE2-WE1R 280 M8 | K11R 280 M8 E1 IE2 | 45 | 581 | 740 | IE2- 91.8 | 91.8 | 90.7 | 0.77 | 92.0 | 5.8 | 2.3 | 1.8 | 2.5 | 1.55 | 535 |
| IE2-WE1R 315 S8 | K11R 315 S8 E1 IE2 | 55 | 710 | 740 | IE2- 92.2 | 92.2 | 92.1 | 0.80 | 108 | 6.3 | 1.8 | 1.5 | 2.3 | 2.63 | 715 |
| IE2-WE1R 315 M8 | K11R 315 M8 E1 IE2 | 75 | 968 | 740 | IE2- 92.7 | 92.5 | 92.5 | 0.81 | 143 | 6.0 | 2.1 | 1.4 | 2.1 | 3.33 | 805 |
| IE2-WE1R 315 MX8 | K11R 315 MX8 E1 IE2 | 90 | 1161 | 740 | IE2- 93.0 | 93.0 | 93.0 | 0.79 | 177 | 6.5 | 1.7 | 1.5 | 2.2 | 3.60 | 850 |
| IE2-WE1R 315 MY8 | K11R 315 MY8 E1 IE2 | 110 | 1420 | 740 | IE2- 93.4 | 93.4 | 93.4 | 0.82 | 207 | 6.5 | 1.8 | 1.6 | 2.2 | 6.00 | 1080 |
| IE2-WE1R 315 L8 | K11R 315 L8 E1 IE2 | 132 | 1704 | 740 | IE2- 93.2 | 93.2 | 93.2 | 0.83 | 246 | 6.0 | 1.5 | 1.4 | 2.2 | 6.76 | 1250 |
| IE2-WE1R 315 LX8 | K11R 315 LX8 E1 IE2 | 160 | 2065 | 740 | IE2- 93.9 | 93.9 | 93.8 | 0.80 | 307 | 7.2 | 2.2 | 1.8 | 2.5 | 8.71 | 1430 |
| IE2-WE2R 355 M8 | W22R 355 M8 E1 IE2 | 200 | 2571 | 743 | IE2- 94.5 | 94.1 | 91.5 | 0.77 | 397 | 0.0 | 0.0 | 0.0 | 0.0 | 9.50 | 1850 |
| IE2-WE2R 355 MX8 | W22R 355 MX8 E1 IE2 | 250 | 3205 | 745 | IE2- 94.0 | 94.0 | 94.0 | 0.83 | 463 | 7.0 | 1.2 | 1.0 | 2.6 | 13.40 | 2200 |
| IE2-WE2R 355 LY8 | W22R 355 LY8 E1 IE2 | 280 | 3599 | 743 | IE2- 94.3 | 94.3 | 94.3 | 0.78 | 549 | 7.2 | 1.3 | 1.0 | 2.7 | 15.80 | 2400 |

Three-phase motors with squirrel-cage rotor for marine use, High Efficiency IE2

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 60 Hz

| Motor selection data | | | | | | | | | | | | | Design point 460 V, 60 Hz | | |
|---------------------------------------|---------------------|----------------|----------------|----------------|----------------|------|------|-------------------|----------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------|------|
| Type | Type | P _B | M _B | n _B | η _B | | | cosφ _B | I _B | I _A /I _B | M _A /M _B | M _S /M _B | M _K /M _B | J | m |
| GL | DNV, RS, LR | | | | (EN 60034-2-1) | | | | 460 V | | | | | | |
| DNV-GL | BV, ABS, CCS | | | | | | | | | | | | | | |
| RS (KP.. only) | | kW | Nm | rpm | 100% | 75% | 50% | - | A | - | - | - | - | kgm ² | kg |
| Synchronous 3600 rpm – 2-pole version | | | | | | | | | | | | | | | |
| IE2-KPR 56 G2 | KPR 56 G2 IE2 | 0.14 | 0.39 | 3410 | IE2- 59.5 | 70.2 | 66.5 | 0.82 | 0.3 | 5.2 | 2 | 2 | 2.3 | 0.00015 | 4.8 |
| IE2-KPR 63 K2 | KPR 63 K2 IE2 | 0.21 | 0.58 | 3430 | IE2- 64 | 68.6 | 63.1 | 0.83 | 0.44 | 5.5 | 2.6 | 2.5 | 3.1 | 0.00025 | 6.3 |
| IE2-KPR 63 G2 | KPR 63 G2 IE2 | 0.3 | 0.83 | 3440 | IE2- 68 | 73.8 | 69.8 | 0.87 | 0.57 | 6.1 | 2.7 | 2.5 | 3.2 | 0.00032 | 7 |
| IE2-KPR 71 K2 | KPR 71 K2 IE2 | 0.44 | 1.21 | 3460 | IE2- 72 | 83.9 | 82.4 | 0.86 | 0.78 | 7.3 | 3 | 2.8 | 3.2 | 0.00057 | 10 |
| IE2-KPR 71 G2 | KPR 71 G2 IE2 | 0.65 | 1.79 | 3465 | IE2- 75.5 | 82 | 81.6 | 0.87 | 1.13 | 7.8 | 2.8 | 2.5 | 2.9 | 0.00072 | 11.2 |
| IE2-KPR 80 K2 | KPR 80 K2 IE2 | 0.75 | 2.05 | 3500 | IE2- 75.5 | 83.5 | 80.6 | 0.87 | 1.3 | 8.5 | 2.5 | 2.1 | 3 | 0.00132 | 15 |
| IE2-KPR 80 G2 | KPR 80 G2 IE2 | 1.1 | 3.01 | 3490 | IE2- 82.5 | 83.3 | 77.7 | 0.88 | 1.9 | 9.2 | 3 | 2.7 | 3.3 | 0.0017 | 18 |
| IE2-KPR 90 S2 | KPR 90 S2 IE2 | 1.5 | 4.06 | 3530 | IE2- 84 | 85.6 | 83 | 0.85 | 2.54 | 9.2 | 2.6 | 2.4 | 3.5 | 0.00275 | 23.5 |
| IE2-KPR 90 L2 | KPR 90 L2 IE2 | 2.2 | 6 | 3500 | IE2- 85.5 | 85.9 | 83 | 0.86 | 3.7 | 8.4 | 2.4 | 2.1 | 3.1 | 0.00275 | 23.5 |
| IE2-KPR 100 L2 | KPR 100 L2 IE2 | 3 | 8.09 | 3540 | IE2- 87.5 | 86.2 | 82.5 | 0.74 | 5.8 | 8.4 | 2.2 | 1.9 | 3.8 | 0.0045 | 31 |
| IE2-KPER 112 MX2 | KPER 112 MX2 IE2 | 4 | 10.82 | 3530 | IE2- 87.5 | 89.1 | 88.4 | 0.83 | 6.8 | 7.1 | 1.6 | 1.4 | 2.6 | 0.0055 | 38 |
| IE2-KPER 112 MV2 | KPER 112 MV2 IE2 | 5.5 | 14.96 | 3510 | IE2- 88.5 | 89.3 | 88.9 | 0.87 | 8.85 | 9.2 | 2.1 | 2 | 3.1 | 0.0068 | 46 |
| IE2-KPER 132 S2T | KPER 132 S2T IE2 | 5.5 | 14.96 | 3510 | IE2- 88.5 | 89.3 | 88.9 | 0.87 | 8.85 | 9.2 | 2.1 | 2 | 3.1 | 0.0068 | 48 |
| IE2-KPER 132 S2 | KPER 132 S2 IE2 | 6.6 | 17.86 | 3530 | IE2- 89.5 | 89.7 | 87.9 | 0.83 | 11.1 | 8.9 | 2.4 | 1.8 | 3.7 | 0.011 | 57 |
| IE2-WE1R 132 SX2 | K11R 132 SX2 E1 IE2 | 9.0 | 24.5 | 3505 | IE2- 89.5 | 89.4 | 88.5 | 0.90 | 14.0 | 6.2 | 2.1 | 1.7 | 2.8 | 0.0168 | 75 |
| IE2-WE1R 160 M2 | K11R 160 M2 E1 IE2 | 13.0 | 35.0 | 3550 | IE2- 91.0 | 90.9 | 89.5 | 0.91 | 20.0 | 7.3 | 2.0 | 1.6 | 2.7 | 0.0258 | 125 |
| IE2-WE1R 160 MX2 | K11R 160 MX2 E1 IE2 | 16.5 | 44.6 | 3535 | IE2- 90.2 | 89.7 | 88.4 | 0.91 | 25.0 | 6.5 | 1.9 | 1.4 | 2.6 | 0.0675 | 140 |
| IE2-WE1R 160 L2 | K11R 160 L2 E1 IE2 | 22.0 | 59.6 | 3525 | IE2- 91.6 | 91.3 | 89.6 | 0.92 | 37.5 | 7.0 | 1.8 | 1.3 | 2.6 | 0.0675 | 140 |
| IE2-WE1R 180 M2 | K11R 180 M2 E1 IE2 | 26 | 70 | 3545 | IE2- 91.7 | 91.6 | 90.9 | 0.90 | 39.5 | 6.0 | 1.5 | 1.2 | 2.4 | 0.105 | 173 |
| IE2-WE1R 200 L2 | K11R 200 L2 E1 IE2 | 36 | 97 | 3550 | IE2- 92.4 | 92.5 | 91.6 | 0.91 | 54.0 | 6.0 | 1.4 | 1.1 | 2.3 | 0.128 | 210 |
| IE2-WE1R 200 LX2 | K11R 200 LX2 E1 IE2 | 44 | 119 | 3545 | IE2- 93.0 | 92.4 | 92.1 | 0.91 | 65.5 | 6.8 | 1.9 | 1.5 | 2.8 | 0.154 | 233 |
| IE2-WE2R 200 LX2 | K11R 200 LX2 E2 IE2 | 44 | 119 | 3545 | IE2- 93.0 | 92.4 | 92.1 | 0.91 | 65.5 | 6.8 | 1.9 | 1.5 | 2.8 | 0.154 | 238 |
| IE2-WE1R 225 M2 | K11R 225 M2 E1 IE2 | 54 | 145 | 3545 | IE2- 93.0 | 92.5 | 91.8 | 0.88 | 83.0 | 6.9 | 1.7 | 1.4 | 2.8 | 0.220 | 295 |
| IE2-WE1R 250 M2 | K11R 250 M2 E1 IE2 | 66 | 178 | 3550 | IE2- 93.6 | 93.7 | 93.0 | 0.90 | 98.5 | 7.6 | 2.1 | 1.8 | 2.7 | 0.375 | 385 |
| IE2-WE1R 280 S2 | K11R 280 S2 E1 IE2 | 90 | 241 | 3570 | IE2- 94.5 | 93.9 | 92.8 | 0.91 | 131 | 7.3 | 1.9 | 1.6 | 2.8 | 0.65 | 500 |
| IE2-WE1R 280 M2 | K11R 280 M2 E1 IE2 | 110 | 294 | 3568 | IE2- 94.5 | 94.0 | 93.7 | 0.91 | 161 | 7.5 | 1.9 | 1.6 | 2.7 | 0.68 | 550 |
| IE2-WE1R 315 S2 | K11R 315 S2 E1 IE2 | 120 | 320 | 3580 | IE2- 94.5 | 94.0 | 93.0 | 0.89 | 179 | 8.5 | 1.4 | 1.3 | 2.5 | 1.21 | 730 |
| IE2-WE1R 315 M2 | K11R 315 M2 E1 IE2 | 145 | 387 | 3580 | IE2- 95.0 | 94.5 | 94.0 | 0.90 | 213 | 9.4 | 1.4 | 1.2 | 2.4 | 1.44 | 820 |
| IE2-WE1R 315 MX2 | K11R 315 MX2 E1 IE2 | 175 | 467 | 3575 | IE2- 95.4 | 95.0 | 94.0 | 0.90 | 256 | 8.2 | 1.7 | 1.6 | 2.7 | 1.76 | 955 |
| IE2-WE1R 315 MY2 | K11R 315 MY2 E1 IE2 | 220 | 586 | 3585 | IE2- 95.4 | 95.0 | 94.0 | 0.89 | 325 | 9.5 | 2.8 | 2.0 | 3.0 | 2.82 | 1200 |
| IE2-WE1R 315 L2 | K11R 315 L2 E1 IE2 | 280 | 748 | 3580 | IE2- 95.5 | 95.5 | 95.5 | 0.92 | 400 | 8.0 | 2.3 | 1.4 | 2.3 | 3.66 | 1450 |
| IE2-WE1R 315 LX2 | K11R 315 LX2 E1 IE2 | 330 | 879 | 3585 | IE2- 95.4 | 95.4 | 95.4 | 0.92 | 472 | 9.0 | 2.8 | 1.6 | 2.5 | 4.43 | 1700 |
| IE2-WE2R 355 M2 | W22R 355 M2 E1 IE2 | 375 | 999 | 3585 | IE2- 95.4 | 95.0 | 94.5 | 0.91 | 542 | 8.5 | 1.5 | 1.3 | 2.2 | 4.20 | 2000 |
| IE2-WE2R 355 MX2 | W22R 355 MX2 E1 IE2 | 440 | 1170 | 3590 | IE2- 95.8 | 95.5 | 95.0 | 0.91 | 633 | 9.4 | 1.7 | 1.1 | 3.0 | 4.50 | 2200 |
| IE2-WE2R 355 LY2 | W22R 355 LY2 E1 IE2 | 490 | 1303 | 3590 | IE2- 95.5 | 95.5 | 95.0 | 0.92 | 700 | 7.5 | 1.5 | 0.9 | 2.4 | 7.10 | 2400 |
| IE2-WE2R 355 L2 | W22R 355 L2 E1 IE2 | 550 | 1467 | 3580 | IE2- 95.5 | 95.5 | 95.0 | 0.92 | 786 | 8.5 | 1.5 | 1.0 | 2.4 | 7.10 | 2400 |

Three-phase motors with squirrel-cage rotor for marine use, High Efficiency IE2

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 60 Hz

| Motor selection data | | | | | | | | | | | | | Design point 460 V, 60 Hz | | |
|---------------------------------------|---------------------|----------------|----------------|----------------|----------------|------|------|-------------------|----------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------|------|
| Type | Type | P _B | M _B | n _B | η _B | | | cosφ _B | I _B | I _A /I _B | M _K /M _B | M _S /M _B | M _K /M _B | J | m |
| GL | DNV, RS, LR | | | | (EN 60034-2-1) | | | | 460 V | | | | | | |
| DNV-GL | BV, ABS, CCS | | | | | | | | | | | | | | |
| RS (KP.. only) | | kW | Nm | rpm | 100% | 75% | 50% | - | A | - | - | - | - | kgm ² | kg |
| Synchronous 1800 rpm – 4-pole version | | | | | | | | | | | | | | | |
| IE2-KPR 63 K4 | KPR 63 K4 IE2 | 0.14 | 0.79 | 1700 | IE2- 64 | 70.3 | 65.8 | 0.71 | 0.35 | 4.1 | 2 | 1.9 | 2.4 | 0.0004 | 6.3 |
| IE2-KPR 63 G4 | KPR 63 G4 IE2 | 0.21 | 1.16 | 1725 | IE2- 68 | 68.8 | 62.9 | 0.66 | 0.56 | 4.8 | 2.6 | 2.6 | 2.9 | 0.0005 | 7.1 |
| IE2-KPR 71 K4 | KPR 71 K4 IE2 | 0.3 | 1.66 | 1725 | IE2- 70 | 76.5 | 72.8 | 0.74 | 0.66 | 5.2 | 2.1 | 2 | 2.7 | 0.00087 | 9.9 |
| IE2-KPR 71 G4 | KPR 71 G4 IE2 | 0.44 | 2.44 | 1725 | IE2- 72 | 79.6 | 76 | 0.72 | 0.96 | 6.1 | 2.5 | 2.4 | 3.2 | 0.00107 | 11 |
| IE2-KPR 80 K4 | KPR 80 K4 IE2 | 0.65 | 3.6 | 1725 | IE2- 78 | 80.5 | 76.9 | 0.81 | 1.24 | 6.2 | 2.2 | 2.1 | 2.6 | 0.00207 | 14.5 |
| IE2-KPR 80 G4 | KPR 80 G4 IE2 | 0.75 | 4.1 | 1745 | IE2- 82.5 | 81.7 | 79.2 | 0.78 | 1.46 | 7.7 | 3.1 | 2.9 | 3.5 | 0.0026 | 17 |
| IE2-KPR 90 S4 | KPR 90 S4 IE2 | 1.1 | 6.02 | 1745 | IE2- 84 | 84.5 | 82 | 0.76 | 2.15 | 7.3 | 3 | 2.8 | 3.5 | 0.004 | 23 |
| IE2-KPR 90 L4 | KPR 90 L4 IE2 | 1.5 | 8.19 | 1750 | IE2- 84 | 82.3 | 78.6 | 0.74 | 3.02 | 7.9 | 3.2 | 3 | 3.5 | 0.0045 | 28 |
| IE2-KPR 100 L4 | KPR 100 L4 IE2 | 2.2 | 11.9 | 1765 | IE2- 87.5 | 86.3 | 82.9 | 0.71 | 4.45 | 8.6 | 2.6 | 2.5 | 3.9 | 0.009 | 36 |
| IE2-KPR 100 LX4 | KPR 100 LX4 IE2 | 3 | 16.3 | 1760 | IE2- 87.5 | 87.3 | 84.4 | 0.74 | 5.78 | 8.7 | 3.2 | 3 | 3.8 | 0.011 | 45 |
| IE2-KPER 112 MZ4 | KPER 112 MZ4 IE2 | 4 | 21.8 | 1750 | IE2- 87.5 | 87.8 | 85.4 | 0.76 | 7.5 | 8.4 | 2.8 | 2.6 | 3.8 | 0.013 | 50 |
| IE2-KPR 112 M4 | KPR 112 M4 IE2 | 4.5 | 24.6 | 1745 | IE2- 87.5 | 87.5 | 85.9 | 0.8 | 8.05 | 7.8 | 2.4 | 2.3 | 3.5 | 0.013 | 50 |
| IE2-KPER 132 S4 | KPER 132 S4 IE2 | 6.6 | 36.1 | 1745 | IE2- 89.5 | 90.1 | 89.7 | 0.88 | 10.5 | 7.1 | 2 | 1.6 | 3.2 | 0.02 | 64 |
| IE2-WE1R 132 S4 | K11R 132 S4 E1 IE2 | 6.6 | 35.7 | 1765 | IE2- 89.8 | 90.0 | 88.5 | 0.88 | 11 | 6.6 | 2.2 | 1.6 | 3.0 | 0.035 | 87 |
| IE2-WE1R 132 M4 | K11R 132 M4 E1 IE2 | 9.0 | 48.6 | 1770 | IE2- 90.8 | 90.6 | 89.0 | 0.83 | 15 | 8.1 | 2.5 | 2.0 | 3.8 | 0.035 | 88 |
| IE2-WE1R 160 M4 | K11R 160 M4 E1 IE2 | 13.0 | 70 | 1775 | IE2- 91.1 | 90.8 | 89.2 | 0.82 | 22.0 | 7.7 | 2.8 | 2.2 | 3.2 | 0.078 | 122 |
| IE2-WE2R 160 M4 | K11R 160 M4 E2 IE2 | 13 | 70 | 1765 | IE2- 91.3 | 91.5 | 90.4 | 0.80 | 22.5 | 7.5 | 2.3 | 1.9 | 3.6 | 0.043 | 105 |
| IE2-WE1R 160 L4 | K11R 160 L4 E1 IE2 | 18.0 | 97 | 1770 | IE2- 92.5 | 92.4 | 91.4 | 0.86 | 28.0 | 8.0 | 2.5 | 2.0 | 3.0 | 0.115 | 160 |
| IE2-WE2R 160 L4 | K11R 160 L4 E2 IE2 | 18 | 97 | 1775 | IE2- 92.5 | 92.4 | 91.4 | 0.85 | 28.5 | 8.5 | 2.7 | 2.3 | 3.5 | 0.115 | 161 |
| IE2-WE1R 180 M4 | K11R 180 M4 E1 IE2 | 22.0 | 118 | 1775 | IE2- 92.4 | 91.4 | 89.9 | 0.86 | 35.0 | 6.3 | 1.6 | 1.4 | 2.5 | 0.168 | 207 |
| IE2-WE2R 180 M4 | K11R 180 M4 E2 IE2 | 22 | 118 | 1775 | IE2- 92.4 | 91.5 | 90.1 | 0.80 | 37.5 | 6.1 | 1.9 | 1.5 | 2.6 | 0.138 | 176 |
| IE2-WE1R 180 L4 | K11R 180 L4 E1 IE2 | 26 | 139 | 1780 | IE2- 93.0 | 91.7 | 90.0 | 0.84 | 42.0 | 7.2 | 2.0 | 1.7 | 2.9 | 0.168 | 215 |
| IE2-WE1R 200 L4 | K11R 200 L4 E1 IE2 | 36 | 193 | 1780 | IE2- 93.0 | 92.5 | 91.4 | 0.82 | 59.5 | 6.8 | 2.0 | 1.7 | 2.8 | 0.275 | 277 |
| IE2-WE1R 225 S4 | K11R 225 S4 E1 IE2 | 44 | 237 | 1775 | IE2- 93.6 | 92.9 | 92.1 | 0.83 | 71.5 | 6.5 | 1.9 | 1.6 | 2.5 | 0.313 | 313 |
| IE2-WE1R 225 M4 | K11R 225 M4 E1 IE2 | 49 | 263 | 1780 | IE2- 93.6 | 93.0 | 91.5 | 0.84 | 78.0 | 8.0 | 2.2 | 1.8 | 2.4 | 0.525 | 390 |
| IE2-WE2R 225 M4 | K11R 225 M4 E2 IE2 | 45 | 242 | 1775 | IE2- 93.6 | 92.7 | 91.2 | 0.80 | 75.5 | 8.3 | 2.9 | 2.1 | 3.3 | 0.356 | 346 |
| IE2-WE1R 250 M4 | K11R 250 M4 E1 IE2 | 64 | 343 | 1780 | IE2- 94.1 | 93.5 | 93.0 | 0.85 | 100 | 7.6 | 1.7 | 1.5 | 2.2 | 0.95 | 535 |
| IE2-WE2R 250 M4 | K11R 250 M4 E2 IE2 | 63 | 339 | 1777 | IE2- 94.1 | 93.6 | 93.2 | 0.83 | 101 | 7.2 | 2.3 | 1.8 | 2.3 | 0.62 | 435 |
| IE2-WE1R 280 S4 | K11R 280 S4 E1 IE2 | 90 | 483 | 1779 | IE2- 94.5 | 94.2 | 93.9 | 0.84 | 142 | 6.6 | 1.7 | 1.4 | 2.0 | 0.95 | 550 |
| IE2-WE1R 280 M4 | K11R 280 M4 E1 IE2 | 105 | 563 | 1780 | IE2- 95.0 | 94.6 | 94.1 | 0.84 | 166 | 7.4 | 1.8 | 1.6 | 2.2 | 1.10 | 610 |
| IE2-WE1R 315 S4 | K11R 315 S4 E1 IE2 | 132 | 707 | 1784 | IE2- 95.2 | 95.2 | 94.6 | 0.85 | 205 | 8.0 | 1.6 | 1.5 | 2.2 | 1.96 | 760 |
| IE2-WE1R 315 M4 | K11R 315 M4 E1 IE2 | 145 | 776 | 1784 | IE2- 95.0 | 95.0 | 94.5 | 0.85 | 225 | 8.2 | 1.9 | 1.7 | 2.3 | 2.27 | 850 |
| IE2-WE1R 315 MX4 | K11R 315 MX4 E1 IE2 | 175 | 939 | 1780 | IE2- 95.1 | 95.1 | 94.5 | 0.85 | 272 | 8.0 | 1.6 | 1.5 | 2.2 | 2.73 | 975 |
| IE2-WE1R 315 MY4 | K11R 315 MY4 E1 IE2 | 220 | 1174 | 1790 | IE2- 95.4 | 95.4 | 95.0 | 0.87 | 333 | 8.8 | 2.0 | 1.6 | 2.6 | 4.82 | 1270 |
| IE2-WE1R 315 L4 | K11R 315 L4 E1 IE2 | 280 | 1792 | 1790 | IE2- 95.4 | 95.4 | 95.3 | 0.88 | 419 | 8.5 | 2.2 | 1.6 | 2.5 | 5.93 | 1450 |
| IE2-WE1R 315 LX4 | K11R 315 LX4 E1 IE2 | 330 | 1761 | 1790 | IE2- 95.4 | 94.5 | 93.5 | 0.87 | 499 | 9.2 | 2.5 | 1.7 | 1.7 | 6.82 | 1630 |
| IE2-WE2R 355 M4 | W22R 355 M4 E1 IE2 | 375 | 1997 | 1793 | IE2- 95.4 | 95.4 | 94.5 | 0.87 | 567 | 9.0 | 1.3 | 0.9 | 2.9 | 7.90 | 2150 |
| IE2-WE2R 355 MX4 | W22R 355 MX4 E1 IE2 | 425 | 2267 | 1790 | IE2- 95.8 | 95.8 | 95.5 | 0.87 | 640 | 9.0 | 1.4 | 1.0 | 3.1 | 9.50 | 2400 |
| IE2-WE2R 355 LY4 | W22R 355 LY4 E1 IE2 | 475 | 2529 | 1794 | IE2- 95.8 | 95.8 | 95.5 | 0.83 | 750 | 9.2 | 1.5 | 1.0 | 3.5 | 10.00 | 2500 |
| IE2-WE2R 355 L4 | W22R 355 L4 E1 IE2 | 525 | 2795 | 1794 | IE2- 95.8 | 95.8 | 95.5 | 0.83 | 829 | 9.0 | 1.3 | 1.0 | 3.3 | 10.00 | 2500 |

Three-phase motors with squirrel-cage rotor for marine use, High Efficiency IE2

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 60 Hz

| Motor selection data | | | | | | | | | | | | | Design point 460 V, 60 Hz | | |
|---------------------------------------|---------------------|----------------|----------------|----------------|----------------|------|------|-------------------|----------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------|------|
| Type | Type | P _B | M _B | n _B | η _B | | | cosφ _B | I _B | I _A /I _B | M _A /M _B | M _S /M _B | M _K /M _B | J | m |
| GL | DNV, RS, LR | | | | (EN 60034-2-1) | | | | 460 V | | | | | | |
| DNV-GL | BV, ABS, CCS | | | | | | | | | | | | | | |
| RS (KP.. only) | | kW | Nm | rpm | 100% | 75% | 50% | - | A | - | - | - | - | kgm ² | kg |
| Synchronous 1200 rpm – 6-pole version | | | | | | | | | | | | | | | |
| IE2-KPR 71 K6 | KPR 71 K6 IE2 | 0.21 | 1.78 | 1125 | IE2- 55 | 68.3 | 63.5 | 0.68 | 0.55 | 3.6 | 2.1 | 2 | 2.3 | 0.0013 | 11 |
| IE2-KPR 71 G6 | KPR 71 G6 IE2 | 0.3 | 2.55 | 1125 | IE2- 61.6 | 72.5 | 67.5 | 0.7 | 0.73 | 4.4 | 2.2 | 2.2 | 2.4 | 0.00175 | 12.5 |
| IE2-KPR 80 K6 | KPR 80 K6 IE2 | 0.44 | 3.67 | 1145 | IE2- 64 | 75.9 | 72.2 | 0.7 | 1.03 | 4.1 | 1.8 | 1.8 | 2.3 | 0.00325 | 15 |
| IE2-KPR 80 G6 | KPR 80 G6 IE2 | 0.65 | 5.42 | 1145 | IE2- 73 | 77.6 | 74.3 | 0.69 | 1.5 | 4.4 | 2.1 | 2.1 | 2.5 | 0.00425 | 18 |
| IE2-KPR 90 S6 | KPR 90 S6 IE2 | 0.75 | 6.17 | 1160 | IE2- 80 | 79.6 | 75.9 | 0.67 | 1.76 | 5.6 | 2.7 | 2.6 | 3.1 | 0.00625 | 24 |
| IE2-KPR 90 L6 | KPR 90 L6 IE2 | 0.92 | 7.51 | 1170 | IE2- 82.5 | 80 | 74.9 | 0.62 | 2.26 | 6.4 | 2.9 | 2.5 | 3.5 | 0.0072 | 30 |
| IE2-KPR 100 LX6 | KPR 100 LX6 IE2 | 0.92 | 7.57 | 1160 | IE2- 73 | 84.4 | 81.2 | 0.72 | 3.08 | 6.1 | 2.2 | 2.2 | 3.1 | 0.0139 | 36 |
| IE2-KPER 112 MV6 | KPER 112 MV6 IE2 | 0.92 | *** | *** | IE2- *** | *** | *** | *** | *** | *** | *** | *** | *** | 0.0155 | 48 |
| IE2-KPER 112 MZ6 | KPER 112 MZ6 IE2 | 2.2 | *** | *** | IE2- *** | *** | *** | *** | *** | *** | *** | *** | *** | 0.043 | 50 |
| IE2-KPER 132 SX6T | KPER 132 SX6T IE2 | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** |
| IE2-KPER 132 S6 | KPER 132 S6 IE2 | 3.6 | 29.6 | 1160 | IE2- 87.5 | 86.8 | 85.4 | 0.81 | 6.4 | 5.7 | 1.8 | 1.2 | 2.8 | 0.023 | 55 |
| IE2-KPER 132 M6 | KPER 132 M6 IE2 | 4.5 | 37.2 | 1155 | IE2- 87.5 | 87.2 | 86.1 | 0.82 | 8 | 5.7 | 2.1 | 1.9 | 2.9 | 0.029 | 66 |
| IE2-WE1R 132 M6 | K11R 132 M6 E1 IE2 | 4.5 | 36.9 | 1165 | IE2- 87.5 | 86.0 | 83.4 | 0.79 | 8 | 5.3 | 1.8 | 1.6 | 2.5 | 0.043 | 76 |
| IE2-WE1R 132 MX6 | K11R 132 MX6 E1 IE2 | 6.6 | 54 | 1170 | IE2- 89.5 | 88.5 | 87.1 | 0.8 | 11.5 | 5.6 | 1.9 | 1.7 | 2.9 | 0.053 | 85 |
| IE2-WE1R 160 M6 | K11R 160 M6 E1 IE2 | 9.0 | 73 | 1175 | IE2- 89.5 | 88.9 | 87.0 | 0.82 | 16 | 5.8 | 2.2 | 2.0 | 2.7 | 0.113 | 118 |
| IE2-WE2R 160 M6 | K11R 160 M6 E2 IE2 | 9 | 73 | 1170 | IE2- 89 | 89 | 87.7 | 0.81 | 15.5 | 5.7 | 1.9 | 1.7 | 2.7 | 0.053 | 103 |
| IE2-WE1R 160 L6 | K11R 160 L6 E1 IE2 | | | | | | | | | | | | | 0.145 | 135 |
| IE2-WE2R 160 L6 | K11R 160 L6 E2 IE2 | 13 | 106 | 1175 | IE2- 90.3 | 89.9 | 88.1 | 0.83 | 22 | 6.4 | 2.5 | 2.2 | 2.8 | 0.166 | 155 |
| IE2-WE1R 180 L6 | K11R 180 L6 E1 IE2 | 16.5 | 134 | 1175 | IE2- 90.2 | 89.8 | 88.4 | 0.85 | 27.0 | 7.3 | 2.2 | 1.9 | 2.7 | 0.228 | 185 |
| IE2-WE2R 180 L6 | K11R 180 L6 E2 IE2 | 15 | 122 | 1175 | IE2- 90.2 | 89.5 | 87.4 | 0.83 | 25 | 6.3 | 2.5 | 1.9 | 2.9 | 0.166 | 157 |
| IE2-WE1R 200 L6 | K11R 200 L6 E1 IE2 | 22.0 | 179 | 1175 | IE2- 91.7 | 90.1 | 88.5 | 0.85 | 35.5 | 6.6 | 2.2 | 1.8 | 2.7 | 0.268 | 208 |
| IE2-WE1R 200 LX6 | K11R 200 LX6 E1 IE2 | 25 | 202 | 1180 | IE2- 91.7 | 91.2 | 90.0 | 0.86 | 40.0 | 6.4 | 2.2 | 1.8 | 2.7 | 0.443 | 272 |
| IE2-WE2R 200 LX6 | K11R 200 LX6 E2 IE2 | 25 | 202 | 1180 | IE2- 91.7 | 90.8 | 89.5 | 0.86 | 40 | 6.6 | 2.3 | 1.9 | 2.9 | 0.324 | 238 |
| IE2-WE1R 225 M6 | K11R 225 M6 E1 IE2 | 36 | 291 | 1182 | IE2- 93.0 | 92.0 | 90.5 | 0.85 | 57.0 | 7.1 | 2.3 | 2.0 | 2.6 | 0.825 | 365 |
| IE2-WE2R 225 M6 | K11R 225 M6 E2 IE2 | 25 | 201 | 1185 | IE2- 91.7 | 90.8 | 88.1 | 0.86 | 40 | 8.2 | 2.9 | 2.4 | 3.7 | 0.825 | 365 |
| IE2-WE1R 250 M6 | K11R 250 M6 E1 IE2 | 40 | 322 | 1185 | IE2- 93.0 | 92.0 | 90.5 | 0.86 | 63 | 6.6 | 2.7 | 1.8 | 2.5 | 1.28 | 480 |
| IE2-WE2R 250 M6 | K11R 250 M6 E2 IE2 | 40 | 324 | 1179 | IE2- 93 | 93.4 | 91.8 | 0.86 | 63 | 6.7 | 2.7 | 2.1 | 2.6 | 1.28 | 480 |
| IE2-WE1R 280 S6 | K11R 280 S6 E1 IE2 | 49 | 396 | 1183 | IE2- 93.6 | 93.5 | 90.5 | 0.86 | 76.5 | 6.7 | 2.3 | 1.9 | 2.6 | 1.48 | 560 |
| IE2-WE1R 280 M6 | K11R 280 M6 E1 IE2 | 64 | 514 | 1190 | IE2- 94.1 | 93.5 | 93.0 | 0.84 | 102 | 8.0 | 2.1 | 1.6 | 2.7 | 2.63 | 710 |
| IE2-WE1R 315 S6 | K11R 315 S6 E1 IE2 | 90 | 722 | 1190 | IE2- 94.1 | 93.5 | 93.0 | 0.87 | 138 | 7.5 | 1.8 | 1.6 | 2.5 | 3.33 | 804 |
| IE2-WE1R 315 M6 | K11R 315 M6 E1 IE2 | 99 | 794 | 1190 | IE2- 94.1 | 94.0 | 93.5 | 0.87 | 152 | 8.0 | 2.1 | 1.6 | 2.6 | 3.60 | 865 |
| IE2-WE1R 315 MX6 | K11R 315 MX6 E1 IE2 | 110 | 883 | 1190 | IE2- 95.0 | 94.6 | 94.2 | 0.87 | 167 | 8.3 | 2.0 | 1.7 | 2.6 | 6.67 | 1210 |
| IE2-WE1R 315 MY6 | K11R 315 MY6 E1 IE2 | 145 | 1164 | 1190 | IE2- 95.0 | 95.0 | 94.5 | 0.86 | 223 | 8.0 | 2.0 | 1.5 | 2.4 | 6.67 | 1250 |
| IE2-WE1R 315 L6 | K11R 315 L6 E1 IE2 | 175 | 1404 | 1190 | IE2- 95.0 | 94.8 | 94.3 | 0.87 | 266 | 8.0 | 2.0 | 1.5 | 2.4 | 8.60 | 1430 |
| IE2-WE1R 315 LX6 | K11R 315 LX6 E1 IE2 | 220 | 1766 | 1190 | IE2- 95.0 | 95.0 | 94.5 | 0.86 | 338 | 7.0 | 1.9 | 1.5 | 2.3 | 8.60 | 1460 |
| IE2-WE2R 355 M6 | W22R 355 M6 E1 IE2 | 280 | 2241 | 1193 | IE2- 95.0 | 94.5 | 93.5 | 0.83 | 446 | 8.0 | 1.7 | 1.3 | 2.5 | 8.20 | 1850 |
| IE2-WE2R 355 MX6 | W22R 355 MX6 E1 IE2 | 330 | 2633 | 1197 | IE2- 95.2 | 95.2 | 95.2 | 0.86 | 506 | 7.0 | 1.3 | 1.1 | 2.2 | 12.10 | 2200 |
| IE2-WE2R 355 LY6 | W22R 355 LY6 E1 IE2 | 375 | 2997 | 1195 | IE2- 95.0 | 94.5 | 93.5 | 0.76 | 652 | 8.0 | 1.9 | 1.6 | 2.8 | 14.00 | 2400 |

***) upon request

Three-phase motors with squirrel-cage rotor for marine use, High Efficiency IE2

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 60 Hz

| Motor selection data | | | | | | | | | | | | | Design point 460 V, 60 Hz | | |
|--------------------------------------|---------------------|----------------|----------------|----------------|----------------|------|------|-------------------|----------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------|------|
| Type | Type | P _B | M _B | n _B | η _B | | | cosφ _B | I _B | I _A /I _B | M _K /M _B | M _S /M _B | M _K /M _B | J | m |
| GL | DNV, RS, LR | | | | (EN 60034-2-1) | | | | 460 V | | | | | | |
| DNV-GL | BV, ABS, CCS | | | | | | | | | | | | | | |
| RS (KP.. only) | | kW | Nm | rpm | 100% | 75% | 50% | - | A | - | - | - | - | kgm ² | kg |
| Synchronous 900 rpm – 8-pole version | | | | | | | | | | | | | | | |
| IE2-KPER 80 G8 | KPER 80 G8 IE2 | 0.3 | 3.41 | 840 | IE2- 52.0 | 56.1 | 48.5 | 0.57 | 1.1 | 3.0 | 1.9 | 1.9 | 2.1 | 0.0018 | 12 |
| IE2-KPR 90 S8 | KPR 90 S8 IE2 | 0.4 | ***) | ***) | IE2- 58.0 | ***) | ***) | ***) | ***) | ***) | ***) | ***) | ***) | 0.0063 | 24 |
| IE2-KPR 90 L8 | KPR 90 L8 IE2 | 0.7 | ***) | ***) | IE2- 66.0 | ***) | ***) | ***) | ***) | ***) | ***) | ***) | ***) | 0.0072 | 26 |
| IE2-KPR 100 L8 | KPR 100 L8 IE2 | 0.9 | 9.94 | 865 | IE2- 66.0 | 80.0 | 76.6 | 0.66 | 2.1 | 4.8 | 2.2 | 2.2 | 2.8 | 0.0123 | 33.5 |
| IE2-KPR 100 LX8 | KPR 100 LX8 IE2 | 1.3 | 13.72 | 870 | IE2- 75.5 | 74.3 | 70.4 | 0.63 | 3.1 | 4.0 | 1.6 | 1.5 | 2.5 | 0.0139 | 36 |
| IE2-KPER 112 MV8 | KPER 112 MV8 IE2 | 1.3 | 13.64 | 875 | IE2- 75.5 | 77.6 | 72.7 | 0.54 | 3.6 | 3.8 | 2.0 | 1.9 | 2.9 | 0.0155 | 48 |
| IE2-KPER 132 S8 | KPER 132 S8 IE2 | | | | | | | | | | | | | | |
| IE2-KPER 132 M8 | KPER 132 M8 IE2 | | | | | | | | | | | | | | |
| IE2-WE1R 132 M8 | K11R 132 M8 E1 IE2 | 3.6 | 39.5 | 870 | IE2- 84.2 | 84.5 | 83.0 | 0.75 | 7.2 | 3.6 | 1.4 | 1.2 | 1.8 | 0.0430 | 74 |
| IE2-WE1R 160 M8 | K11R 160 M8 E1 IE2 | 4.5 | | | | | | | | | | | | 0.0530 | 86 |
| IE2-WE1R 160 MX8 | K11R 160 MX8 E1 IE2 | 6.6 | 72 | 875 | IE2- 87.8 | 87.2 | 84.6 | 0.74 | 12.7 | 4.9 | 2.0 | 1.6 | 2.4 | 0.1130 | 115 |
| IE2-WE2R 160 MX8 | K11R 160 MX8 E2 IE2 | 6.6 | 73 | 865 | IE2- 86.4 | 86.7 | 85.3 | 0.72 | 13.5 | 4.2 | 1.6 | 1.4 | 2.3 | 0.0530 | 103 |
| IE2-WE1R 160 L8 | K11R 160 L8 E1 IE2 | 8.5 | | | | | | | | | | | | 0.1450 | 136 |
| IE2-WE1R 180 L8 | K11R 180 L8 E1 IE2 | 13.0 | 141 | 878 | IE2- 89.4 | 89.4 | 87.9 | 0.78 | 23.5 | 4.6 | 1.7 | 1.5 | 2.3 | 0.2280 | 175 |
| IE2-WE2R 180 L8 | K11R 180 L8 E2 IE2 | 13 | | | | | | | | | | | | 0.1660 | 157 |
| IE2-WE1R 200 L8 | K11R 200 L8 E1 IE2 | 18.0 | 196 | 878 | IE2- 88.9 | 88.7 | 87.4 | 0.78 | 32.5 | 4.8 | 1.8 | 1.6 | 2.2 | 0.2680 | 200 |
| IE2-WE1R 225 S8 | K11R 225 S8 E1 IE2 | 22 | 239 | 880 | IE2- 89.9 | 89.6 | 87.5 | 0.79 | 39.0 | 5.2 | 2.0 | 1.9 | 2.7 | 0.44 | 265 |
| IE2-WE2R 225 S8 | K11R 225 S8 E2 IE2 | 22 | 237 | 885 | IE2- 91.8 | 91.5 | 90.2 | 0.81 | 37.0 | 5.7 | 2 | 1.7 | 2.6 | 0.51 | 305 |
| IE2-WE1R 225 M8 | K11R 225 M8 E1 IE2 | 33 | 356 | 885 | IE2- 91.5 | 91.0 | 89.5 | 0.78 | 58.0 | 5.6 | 2.1 | 1.8 | 2.4 | 0.83 | 380 |
| IE2-WE2R 225 M8 | K11R 225 M8 E2 IE2 | 26 | 281 | 883 | IE2- 91.3 | 91.1 | 89.6 | 0.79 | 45.0 | 5.9 | 2.1 | 1.8 | 2.7 | 0.51 | 307 |
| IE2-WE1R 250 M8 | K11R 250 M8 E1 IE2 | 36 | 391 | 880 | IE2- 91.7 | 92.0 | 90.8 | 0.79 | 62.5 | 5.3 | 2.1 | 1.7 | 2.2 | 0.83 | 380 |
| IE2-WE1R 280 S8 | K11R 280 S8 E1 IE2 | 44 | 476 | 883 | IE2- 91.7 | 91.7 | 91.1 | 0.80 | 75.5 | 4.6 | 1.8 | 1.4 | 1.9 | 1.35 | 480 |
| IE2-WE1R 280 M8 | K11R 280 M8 E1 IE2 | 54 | 582 | 886 | IE2- 93.0 | 92.2 | 91.1 | 0.79 | 92.0 | 5.5 | 2.1 | 1.6 | 2.3 | 1.55 | 535 |
| IE2-WE1R 315 S8 | K11R 315 S8 E1 IE2 | 66 | 708 | 890 | IE2- 93.0 | 93.0 | 92.5 | 0.80 | 111 | 5.8 | 1.6 | 1.4 | 2.0 | 2.63 | 715 |
| IE2-WE1R 315 M8 | K11R 315 M8 E1 IE2 | 90 | 966 | 890 | IE2- 93.6 | 93.6 | 93.4 | 0.82 | 147 | 6.0 | 1.5 | 1.3 | 2.0 | 3.33 | 805 |
| IE2-WE1R 315 MX8 | K11R 315 MX8 E1 IE2 | 108 | 1159 | 890 | IE2- 93.6 | 93.6 | 93 | 0.81 | 179 | 6.2 | 1.6 | 1.3 | 2.0 | 3.60 | 850 |
| IE2-WE1R 315 MY8 | K11R 315 MY8 E1 IE2 | 132 | 1416 | 890 | IE2- 93.6 | 93.6 | 93.6 | 0.82 | 216 | 6.0 | 1.6 | 1.4 | 2.0 | 6.00 | 1080 |
| IE2-WE1R 315 L8 | K11R 315 L8 E1 IE2 | 145 | 1556 | 890 | IE2- 93.6 | 93.6 | 93.6 | 0.83 | 234 | 6.0 | 1.6 | 1.4 | 2.0 | 6.76 | 1250 |
| IE2-WE1R 315 LX8 | K11R 315 LX8 E1 IE2 | 190 | 2039 | 890 | IE2- 94.3 | 94.3 | 94.0 | 0.81 | 312 | 7.0 | 2.1 | 1.7 | 2.3 | 8.71 | 1430 |
| IE2-WE2R 355 M8 | W22R 355 M8 E1 IE2 | | | | | | | | | | | | | 9.50 | 1850 |
| IE2-WE2R 355 MX8 | W22R 355 MX8 E1 IE2 | | | | | | | | | | | | | 13.40 | 2200 |
| IE2-WE2R 355 LY8 | W22R 355 LY8 E1 IE2 | | | | | | | | | | | | | 15.80 | 2400 |

***) upon request

Three-phase motors with squirrel-cage rotor for marine use

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 50 Hz

| Motor selection data | | | | | | | | | | | | | | Design point 400 V, 380 V, 50 Hz | |
|---------------------------------------|--------------|--------------------------|---------------------------|----------------|----------------|--------------------------------|-------------------|-------------------------|-------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------------|------|
| Type | Type | P _B GL, RS | P _B BV, DNV | M _B | n _B | η _B (EN 60034-2) | cosφ _B | I _B 400 V | I _B 380 V | I _A /I _B | M _A /M _B | M _G /M _B | M _K /M _B | J | m |
| | | DNV-GL | LR, ABS, CCS | | | 100 % | - | A | A | - | - | - | - | kgm ² | kg |
| Synchronous 3000 rpm – 2-pole version | | | | | | | | | | | | | | | |
| KPER 56 K2 | | 0.09 | 0.09 | 0.3 | 2840 | 70.0 | 0.74 | 0.25 | 0.26 | 4.9 | 2.3 | 2.3 | 2.8 | 0.00013 | 4.4 |
| KPER 56 G2 | | 0.12 | 0.12 | 0.4 | 2830 | 70.3 | 0.77 | 0.32 | 0.34 | 4.5 | 2.1 | 2.1 | 2.3 | 0.00013 | 4.5 |
| KPER 63 K2 | KPR 56 K2 | 0.18 | 0.18 | 0.6 | 2765 | 68 | 0.79 | 0.48 | 0.51 | 4.1 | 1.7 | 1.7 | 2.0 | 0.00013 | 4.9 |
| KPER 63 G2 | KPR 56 G2 | 0.25 | 0.25 | 0.9 | 2775 | 67 | 0.79 | 0.68 | 0.72 | 4.2 | 2.0 | 2.0 | 2.2 | 0.00015 | 5.2 |
| KPER 71 K2 | KPR 63 K2 | 0.37 | 0.37 | 1.3 | 2745 | 71.5 | 0.85 | 0.88 | 0.93 | 4.2 | 1.9 | 1.9 | 2.1 | 0.00025 | 6.7 |
| KPER 71 G2 | KPR 63 G2 | 0.55 | 0.55 | 1.9 | 2730 | 73.5 | 0.86 | 1.26 | 1.33 | 5.0 | 1.9 | 1.9 | 2.3 | 0.00032 | 7.6 |
| KPER 80 K2 | KPR 71 K2 | 0.75 | 0.75 | 2.6 | 2795 | 77.5 | 0.85 | 1.65 | 1.74 | 5.6 | 2.2 | 2.2 | 2.3 | 0.00057 | 10.7 |
| KPER 80 G2 | KPR 71 G2 | 1.1 | 1.1 | 3.7 | 2810 | 77 | 0.84 | 2.46 | 2.59 | 5.6 | 2.2 | 2.1 | 2.4 | 0.00072 | 11.5 |
| KPER 90 S2 | KPR 80 K2 | 1.5 | 1.5 | 5.1 | 2810 | 80 | 0.88 | 3.09 | 3.25 | 6.7 | 2.3 | 2.3 | 2.6 | 0.00132 | 16.0 |
| KPER 90 L2 | KPR 80 G2 | 2.2 | 2.2 | 7.4 | 2830 | 82 | 0.88 | 4.42 | 4.65 | 7.0 | 2.6 | 2.1 | 2.6 | 0.0017 | 19.0 |
| KPER 100 L2 | KPR 90 L2 | 3.0 | 3.0 | 10.1 | 2840 | 82.5 | 0.87 | 6.03 | 6.35 | 6.4 | 2.2 | 2.1 | 2.5 | 0.00275 | 25.0 |
| KPER 112 M2 | KPR 100 S2 | 4.0 | 4.0 | 13.2 | 2885 | 85.5 | 0.85 | 8.08 | 8.50 | 6.7 | 2 | 1.9 | 2.6 | 0.0045 | 32 |
| KPER 112 MX2 | KPR 100 L2 | 5.5 | 5.5 | 18.3 | 2875 | 85.5 | 0.87 | 10.64 | 11.2 | 7.0 | 2.2 | 2.0 | 2.7 | 0.0055 | 38 |
| KPER 132 S2T | | 5.5 | 5.5 | 18.2 | 2890 | 85.9 | 0.84 | 11.0 | 11.6 | 7.5 | 2.4 | 2.2 | 3 | 0.0055 | 40 |
| KPER 132 S2 | KPR 112 MY2 | 5.5 | 5.5 | 18.4 | 2860 | 85.7 | 0.86 | 11.0 | 11.6 | 5.5 | 1.8 | 1.6 | 2.2 | 0.0081 | 52 |
| KPER 112 MV2 | KPR 100 LV2 | 7.5 | 7.5 | 24.9 | 2880 | 87.1 | 0.84 | 14.8 | 15.6 | 6.3 | 1.5 | 1.2 | 2.6 | 0.0068 | 46 |
| KPER 132 SX2T | | 7.5 | 7.5 | 24.9 | 2880 | 87.1 | 0.84 | 14.8 | 15.6 | 6.3 | 1.5 | 1.2 | 2.6 | 0.0068 | 48 |
| KPER 132 SX2 | KPR 112 M2 | 7.5 | 7.5 | 24.7 | 2900 | 87 | 0.86 | 14.5 | 15.3 | 6.6 | 1.8 | 1.3 | 2.5 | 0.011 | 57 |
| KPER 132 M2 | | 11.0 | 11.0 | | | | | | | | | | | | |
| K11R 160 M2 | K10R 132 M2 | 11 | 11 | 36 | 2900 | 88.5 | 0.90 | 20.0 | 21 | 7 | 2.4 | 2 | 2.4 | 0.0258 | 81 |
| K11R 160 MX2 | K10R 160 S2 | 15 | 15 | 49 | 2930 | 89.4 | 0.90 | 27.1 | 28.5 | 7.1 | 2.2 | 1.7 | 2.9 | 0.0575 | 118 |
| K11R 160 L2 | K10R 160 M2 | 18.5 | 18.5 | 61 | 2920 | 90.5 | 0.92 | 32.3 | 34 | 7.2 | 2.1 | 1.6 | 2.6 | 0.0675 | 134 |
| K11R 180 M2 | K10R 180 S2 | 22 | 22 | 72 | 2935 | 91.8 | 0.92 | 37.5 | 39.5 | 6.8 | 1.7 | 1.4 | 2.6 | 0.105 | 165 |
| K11R 200 L2 | K10R 180 M2 | 30 | 30 | 97 | 2940 | 92.8 | 0.92 | 50.8 | 53.5 | 7.3 | 2 | 1.6 | 2.9 | 0.128 | 195 |
| K11R 200 LX2 | K10R 200 M2 | 37 | 37 | 120 | 2940 | 93.0 | 0.90 | 64 | 67 | 7 | 1.8 | 1.3 | 2.4 | 0.193 | 255 |
| K11R 225 M2 | K10R 200 L2 | 45 | 45 | 146 | 2940 | 93.7 | 0.91 | 76 | 80 | 7.5 | 1.8 | 1.4 | 2.7 | 0.220 | 290 |
| K11R 250 M2 | K10R 225 M2 | 55 | 55 | 178 | 2955 | 93.7 | 0.91 | 93 | 98 | 7.5 | 2 | 1.5 | 2.6 | 0.375 | 360 |
| K11R 280 S2 | K10R 250 S2 | 75 | 75 | 241 | 2970 | 94.6 | 0.92 | 124 | 131 | 7.5 | 2 | 1.6 | 2.6 | 0.650 | 490 |
| K11R 280 M2 | K10R 250 M2 | 90 | 90 | 289 | 2970 | 94.7 | 0.91 | 151 | 159 | 8.5 | 2.2 | 1.8 | 2.8 | 0.675 | 510 |
| K11R 315 S2 | K10R 280 S2 | 110 | 110 | 353 | 2975 | 95.4 | 0.91 | 183 | 193 | 8.5 | 1.5 | 1.3 | 2.5 | 1.21 | 720 |
| K11R 315 M2 | K10R 280 M2 | 132 | 132 | 424 | 2975 | 95.4 | 0.91 | 219 | 231 | 8.5 | 2 | 1.8 | 2.7 | 1.44 | 800 |
| K11R 315 MX2 | K10R 315 S2 | 160 | 160 | 514 | 2975 | 96.0 | 0.93 | 258 | 272 | 8.5 | 2 | 1.6 | 2.6 | 1.76 | 980 |
| K11R 315 MY2 | K10R 315 M2 | 200 | 200 | 643 | 2970 | 96.0 | 0.92 | 327 | 344 | 8.2 | 2.6 | 2 | 2.6 | 2.82 | 1170 |
| K11R 315 L2 | K10R 315 L2 | 250 | 250 | 803 | 2973 | 96.1 | 0.93 | 404 | 425 | 7.3 | 2.1 | 1.4 | 2 | 3.66 | 1460 |
| K11R 315 LX2 | K10R 315 LX2 | 280 | 280 | 902 | 2965 | 96.7 | 0.92 | 454 | 478 | 8.2 | 2.6 | 1.6 | 2.2 | 4.43 | 1630 |
| K22R 355 M2 | | 315 | 315 | 1008 | 2985 | 96.8 | 0.91 | 520 | 547 | 8.2 | 1.4 | 1.0 | 3.0 | 4.20 | 2000 |
| K22R 355 MX2 | | 355 | 355 | 1136 | 2985 | 96.9 | 0.91 | 580 | 610 | 8.5 | 1.4 | 1.0 | 2.9 | 5.50 | 2200 |
| K22R 355 LY2 | | 400 | 400 | 1280 | 2985 | 97.1 | 0.91 | 650 | 685 | 8.6 | 1.6 | 1.0 | 2.9 | 7.10 | 2400 |
| K22R 355 L2 | | 450 | 450 | 1440 | 2985 | 97.2 | 0.92 | 725 | 765 | 9 | 2.0 | 0.9 | 2.8 | 7.10 | 2400 |

Three-phase motors with squirrel-cage rotor for marine use

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 50 Hz

| Motor selection data | | | | | | | | | | | | | | Design point 400 V, 380 V, 50 Hz | |
|---------------------------------------|--------------|--------------------------|---------------------------|----------------|----------------|--------------------------------|-------------------|-------------------------|-------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------------|------|
| Type | Type | P _B GL, RS | P _B BV, DNV | M _B | n _B | η _B (EN 60034-2) | cosφ _B | I _B 400 V | I _B 380 V | I _A /I _B | M _A /M _B | M _G /M _B | M _K /M _B | J | m |
| | | DNV-GL | LR, ABS, CCS | Nm | rpm | 100 % | - | A | A | - | - | - | - | kgm ² | kg |
| Synchronous 1500 rpm – 4-pole version | | | | | | | | | | | | | | | |
| KPER 56 K4 | | 0.06 | 0.06 | 0.41 | 1410 | 60.1 | 0.6 | 0.24 | 0.25 | 3.1 | 2.3 | 2.3 | 2.7 | 0.00019 | 4.3 |
| KPER 56 G4 | | 0.09 | 0.09 | 0.63 | 1375 | 61.6 | 0.68 | 0.31 | 0.33 | 3.2 | 1.9 | 1.9 | 2.2 | 0.00019 | 4.4 |
| KPER 63 K4 | KPR 56 K4 | 0.12 | 0.12 | 0.8 | 1360 | 57.5 | 0.7 | 0.43 | 0.45 | 3.1 | 1.7 | 1.6 | 2.0 | 0.00019 | 4.8 |
| KPER 63 G4 | KPR 56 G4 | 0.18 | 0.18 | 1.3 | 1340 | 63 | 0.7 | 0.59 | 0.62 | 3.2 | 1.8 | 1.8 | 2.1 | 0.00024 | 5.2 |
| KPER 71 K4 | KPR 63 K4 | 0.25 | 0.25 | 1.7 | 1370 | 64.5 | 0.76 | 0.73 | 0.77 | 3.5 | 1.6 | 1.6 | 1.9 | 0.00040 | 6.8 |
| KPER 71 G4 | KPR 63 G4 | 0.37 | 0.37 | 2.6 | 1345 | 68 | 0.78 | 1.01 | 1.06 | 3.6 | 1.8 | 1.8 | 2.0 | 0.00050 | 7.8 |
| KPER 80 K4 | KPR 71 K4 | 0.55 | 0.55 | 3.8 | 1390 | 70.5 | 0.74 | 1.52 | 1.60 | 4.2 | 2.0 | 1.9 | 2.1 | 0.00087 | 10.6 |
| KPER 80 G4 | KPR 71 G4 | 0.75 | 0.75 | 5.2 | 1380 | 71.5 | 0.74 | 2.04 | 2.15 | 4.4 | 2.1 | 2.0 | 2.2 | 0.00107 | 11.7 |
| KPER 90 S4 | KPR 80 K4 | 1.1 | 1.1 | 7.5 | 1400 | 75.5 | 0.83 | 2.52 | 2.65 | 5.0 | 2.1 | 2.0 | 2.2 | 0.00207 | 15.5 |
| KPER 90 L4 | KPR 80 G4 | 1.5 | 1.5 | 10.3 | 1390 | 77.5 | 0.84 | 3.33 | 3.50 | 5.2 | 2.3 | 2.2 | 2.4 | 0.00260 | 18.0 |
| KPER 100 L4 | KPR 90 L4 | 2.2 | 2.2 | 15.1 | 1395 | 82 | 0.81 | 4.80 | 5.05 | 5.6 | 2.2 | 2 | 2.3 | 0.00400 | 23.5 |
| KPER 100 LX4 | KPR 100 S4 | 3.0 | 3.0 | 20.2 | 1420 | 82 | 0.82 | 6.41 | 6.75 | 6.1 | 2.3 | 2 | 2.6 | 0.00725 | 30 |
| KPER 112 M4 | KPR 100 L4 | 4.0 | 4.0 | 26.8 | 1425 | 83 | 0.81 | 8.55 | 9.00 | 6.7 | 2.4 | 2.3 | 2.8 | 0.00900 | 37 |
| KPER 112 MX4 | KPR 100 LX4 | 5.5 | 5.5 | 36.9 | 1425 | 86.3 | 0.78 | 11.80 | 12.4 | 6.3 | 2.5 | 2.4 | 2.9 | 0.011 | 45 |
| KPER 132 S4T | | 5.5 | 5.5 | 36.9 | 1425 | 86.3 | 0.78 | 11.80 | 12.4 | 6.3 | 2.5 | 2.4 | 2.9 | 0.011 | 47 |
| KPER 132 S4 | KPR 112 M4 | 5.5 | 5.5 | 36.5 | 1440 | 85.7 | 0.89 | 10.50 | 11.1 | 6.5 | 1.9 | 1.7 | 3 | 0.015 | 50 |
| KPER 132 M4 | | 7.5 | 7.5 | | | | | 14.90 | 15.7 | | | | | | |
| K11R 132 M4 | K10R 132 S4 | 7.5 | 7.5 | 49 | 1450 | 86 | 0.84 | 15.2 | 16 | 6 | 2 | 1.7 | 2.9 | 0.0280 | 70 |
| K11R 160 M4 | K10R 132 M4 | 11 | 11 | 72 | 1450 | 86 | 0.85 | 21.9 | 23 | 6.8 | 2.2 | 1.9 | 3.3 | 0.0350 | 92 |
| K11R 160 L4 | K10R 160 S4 | 15 | 15 | 98 | 1465 | 88 | 0.86 | 28.5 | 30 | 7.3 | 2.5 | 2 | 3 | 0.0780 | 120 |
| K11R 180 M4 | K10R 160 M4 | 18.5 | 17.5 | 121 | 1460 | 88.5 | 0.86 | 35.2 | 37 | 6.8 | 2.5 | 2 | 2.9 | 0.0900 | 136 |
| K11R 180 L4 | K10R 180 S4 | 22 | 22 | 143 | 1465 | 90.5 | 0.84 | 41.8 | 44 | 6.5 | 2 | 1.8 | 2.6 | 0.1380 | 170 |
| K11R 200 L4 | K10R 180 M4 | 30 | 30 | 196 | 1465 | 91.5 | 0.85 | 55.6 | 58.5 | 7 | 2 | 1.7 | 2.4 | 0.1680 | 200 |
| K11R 225 S4 | K10R 200 M4 | 37 | 37 | 240 | 1470 | 92.5 | 0.86 | 67.0 | 70.5 | 7 | 2 | 1.7 | 2.5 | 0.2750 | 270 |
| K11R 225 M4 | K10R 200 L4 | 45 | 43 | 292 | 1470 | 93 | 0.86 | 81.2 | 85.5 | 7 | 2 | 1.7 | 2.5 | 0.3130 | 300 |
| K11R 250 M4 | K10R 225 M4 | 55 | 55 | 356 | 1475 | 93.5 | 0.86 | 99 | 104 | 7 | 2.2 | 1.7 | 2.3 | 0.5250 | 375 |
| K11R 280 S4 | K10R 250 S4 | 75 | 75 | 484 | 1480 | 94.1 | 0.86 | 134 | 141 | 7 | 2 | 1.7 | 2.2 | 0.9500 | 520 |
| K11R 280 M4 | K10R 250 M4 | 90 | 90 | 581 | 1480 | 94.6 | 0.86 | 160 | 168 | 7 | 2.1 | 1.6 | 2.2 | 1.10 | 580 |
| K11R 315 S4 | K10R 280 S4 | 110 | 110 | 707 | 1485 | 95.1 | 0.86 | 194 | 204 | 7.5 | 1.8 | 1.6 | 2.2 | 1.96 | 740 |
| K11R 315 M4 | K10R 280 M4 | 132 | 132 | 849 | 1485 | 95.1 | 0.86 | 233 | 245 | 7 | 1.8 | 1.5 | 2.2 | 2.27 | 840 |
| K11R 315 MX4 | K10R 315 S4 | 160 | 160 | 1032 | 1480 | 95 | 0.87 | 279 | 294 | 7 | 1.8 | 1.5 | 2 | 2.73 | 1000 |
| K11R 315 MY4 | K10R 315 M4 | 200 | 200 | 1286 | 1485 | 96 | 0.88 | 342 | 360 | 7.5 | 2 | 1.8 | 2.4 | 4.82 | 1200 |
| K11R 315 L4 | K10R 315 L4 | 250 | 250 | 1608 | 1485 | 96.1 | 0.9 | 417 | 439 | 8 | 2 | 1.6 | 2.3 | 5.93 | 1450 |
| K11R 315 LX4 | K10R 315 LX4 | 280 | 280 | 1795 | 1490 | 96.5 | 0.88 | 476 | 501 | 8.6 | 1.9 | 1.5 | 2.5 | 6.82 | 1630 |
| K22R 355 M4 | | 315 | 315 | 2016 | 1492 | 1495 | 96.8 | 0.85 | 555 | 585 | 9.0 | 2.0 | 1.3 | 3.4 | 7.90 |
| K22R 355 MX4 | | 355 | 355 | 2268 | 1495 | 1495 | 96.8 | 0.84 | 630 | 665 | 9.2 | 2.0 | 1.3 | 3.8 | 9.50 |
| K22R 355 LY4 | | 400 | 400 | 2555 | 1495 | 1495 | 96.8 | 0.82 | 730 | 770 | 9.0 | 2.1 | 1.3 | 4.0 | 10.0 |

Three-phase motors with squirrel-cage rotor for marine use

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 50 Hz

| Motor selection data | | | | | | | | | | | | | | Design point 400 V, 380 V, 50 Hz | | |
|---------------------------------------|--------------|--------------------------|---------------------------|----------------|----------------|--------------------------------|-------------------|-------------------------|-------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------------|------|--|
| Type | Type | P _B GL, RS | P _B BV, DNV | M _B | n _B | η _B (EN 60034-2) | cosφ _B | I _B 400 V | I _B 380 V | I _A /I _B | M _A /M _B | M _G /M _B | M _K /M _B | J | m | |
| | | DNV-GL | LR, ABS, CCS | | | 100 % | - | A | A | - | - | - | - | kgm ² | kg | |
| Synchronous 1000 rpm – 6-pole version | | | | | | | | | | | | | | | | |
| KPER 63 K6 | KPR 56 K6 | 0.09 | 0.09 | 1.0 | 880 | 51.5 | 0.59 | 0.43 | 0.45 | 2.4 | 1.9 | 1.9 | 2.2 | 0.00024 | 4.9 | |
| KPER 63 G6 | KPR 56 G6 | 0.12 | 0.12 | 1.3 | 865 | 52 | 0.62 | 0.54 | 0.57 | 2.4 | 1.8 | 1.8 | 2.0 | 0.00027 | 5.7 | |
| KPER 71 K6 | KPR 63 K6 | 0.18 | 0.18 | 1.9 | 920 | 61 | 0.55 | 0.78 | 0.82 | 2.8 | 1.5 | 1.5 | 1.8 | 0.00045 | 7.4 | |
| KPER 71 G6 | KPR 63 G6 | 0.25 | 0.25 | 2.7 | 900 | 61 | 0.58 | 1.02 | 1.07 | 2.8 | 1.8 | 1.8 | 2.0 | 0.00060 | 8.3 | |
| KPER 80 K6 | KPR 71 K6 | 0.37 | 0.37 | 3.9 | 905 | 66 | 0.69 | 1.17 | 1.23 | 3.3 | 1.8 | 1.8 | 1.8 | 0.00130 | 11.0 | |
| KPER 80 G6 | KPR 71 G6 | 0.55 | 0.55 | 5.9 | 895 | 67 | 0.72 | 1.65 | 1.74 | 3.5 | 2.0 | 2.0 | 2.2 | 0.00175 | 12.5 | |
| KPER 90 S6 | KPR 80 K6 | 0.75 | 0.75 | 7.7 | 930 | 71 | 0.69 | 2.20 | 2.32 | 4.4 | 2.1 | 2.1 | 2.4 | 0.00325 | 16.0 | |
| KPER 90 L6 | KPR 80 G6 | 1.1 | 1.1 | 11.4 | 925 | 73 | 0.73 | 2.99 | 3.15 | 4.5 | 2.0 | 2.0 | 2.2 | 0.00425 | 19.0 | |
| KPER 100 L6 | KPR 90 L6 | 1.5 | 1.5 | 15.3 | 935 | 76.5 | 0.75 | 3.80 | 4.00 | 4.5 | 1.9 | 1.8 | 2.2 | 0.00625 | 24.0 | |
| KPER 112 M6 | KPR 100 L6 | 2.2 | 2.2 | 22.4 | 940 | 80 | 0.78 | 5.08 | 5.35 | 5.1 | 2.0 | 1.9 | 2.5 | 0.01225 | 33.5 | |
| KPER 112 MX6 | KPR 100 LX6 | 3.0 | 3.0 | 30.6 | 935 | 81.9 | 0.75 | 7.05 | 7.4 | 5.2 | 2.5 | 2.5 | 2.9 | 0.0139 | ***) | |
| KPER 132 S6T | | 3.0 | 3.0 | 30.6 | 935 | 81.9 | 0.75 | 7.05 | 7.4 | 5.2 | 2.5 | 2.5 | 2.9 | 0.0139 | 39 | |
| KPER 132 S6 | KPR 112 M6 | 3.0 | 3.0 | 30 | 955 | 78.5 | 0.82 | 6.70 | 7.1 | 5.7 | 1.8 | 1.6 | 2.7 | 0.018 | 46 | |
| KPER 132 M6 | KPR 112 MX6 | 4.0 | 4.0 | 40 | 955 | 80 | 0.8 | 9.00 | 9.5 | 6 | 2.2 | 2 | 3.1 | 0.023 | 53 | |
| K11R 132 MX6 | K10R 132 S6 | 5.5 | 5.5 | 55 | 955 | 83 | 0.83 | 11.4 | 12 | 5 | 1.8 | 1.5 | 2.3 | 0.0430 | 70 | |
| K11R 160 M6 | K10R 132 M6 | 7.5 | 7.5 | 75 | 960 | 85 | 0.82 | 15.7 | 16.5 | 5.5 | 2 | 1.6 | 2.5 | 0.0530 | 86 | |
| K11R 160 L6 | K10R 160 S6 | 11 | 11 | 109 | 965 | 85.2 | 0.86 | 21.9 | 23 | 5 | 2 | 1.7 | 2.3 | 0.1130 | 114 | |
| K11R 180 L6 | K10R 160 M6 | 14 | 13.5 | 139 | 965 | 86 | 0.83 | 28.5 | 30 | 6 | 2.4 | 2.1 | 2.7 | 0.1450 | 136 | |
| K11R 200 L6 | K10R 180 S6 | 18.5 | 18.5 | 182 | 970 | 88.1 | 0.87 | 34.7 | 36.5 | 5.5 | 2 | 1.7 | 2.4 | 0.2280 | 175 | |
| K11R 200 LX6 | K10R 180 M6 | 22 | 22 | 217 | 970 | 88.8 | 0.87 | 41.3 | 43.5 | 6.2 | 2.2 | 1.8 | 2.6 | 0.2680 | 200 | |
| K11R 225 M6 | K10R 200 M6 | 30 | 30 | 294 | 973 | 90.4 | 0.89 | 53.7 | 56.5 | 6.5 | 2.2 | 1.7 | 2.5 | 0.4430 | 265 | |
| K11R 250 M6 | K10R 225 M6 | 37 | 37 | 362 | 975 | 91 | 0.89 | 66.0 | 69.5 | 6.5 | 2.2 | 1.7 | 2.3 | 0.8250 | 360 | |
| K11R 280 S6 | K10R 250 S6 | 45 | 45 | 439 | 980 | 92 | 0.87 | 81.2 | 85.5 | 6 | 2 | 1.5 | 2 | 1.28 | 465 | |
| K11R 280 M6 | K10R 250 M6 | 55 | 55 | 536 | 980 | 92.5 | 0.88 | 98 | 103 | 6.5 | 2.3 | 1.7 | 2.4 | 1.48 | 520 | |
| K11R 315 S6 | K10R 280 S6 | 75 | 75 | 727 | 985 | 93.7 | 0.87 | 133 | 140 | 7 | 2 | 1.6 | 2.4 | 2.63 | 690 | |
| K11R 315 M6 | K10R 280 M6 | 90 | 90 | 868 | 990 | 94.4 | 0.88 | 157 | 165 | 7 | 2 | 1.7 | 2.4 | 3.33 | 800 | |
| K11R 315 MX6 | K10R 315 S6 | 110 | 110 | 1061 | 990 | 94 | 0.88 | 192 | 202 | 7.5 | 2.2 | 1.7 | 2.6 | 3.60 | 880 | |
| K11R 315 MY6 | K10R 315 M6 | 132 | 132 | 1273 | 990 | 95 | 0.88 | 228 | 240 | 7.5 | 2 | 1.7 | 2.4 | 6.00 | 1050 | |
| K11R 315 L6 | K10R 315 L6 | 160 | 160 | 1551 | 985 | 95.3 | 0.89 | 273 | 287 | 7.5 | 2.3 | 1.9 | 2.4 | 6.67 | 1250 | |
| K11R 315 LX6 | K10R 315 LX6 | 200 | 190 | 1929 | 990 | 95 | 0.87 | 350 | 368 | 8.3 | 2.2 | 2 | 2.7 | 8.6 | 1460 | |
| K22R 355 M6 | | 220 | 220 | 2114 | 994 | 995 | 96.0 | 0.84 | 400 | 420 | 8.4 | 1.8 | 1.2 | 3.2 | 1650 | |
| K22R 355 MX6 | | 250 | 250 | 2412 | 990 | 995 | 96.6 | 0.85 | 440 | 465 | 9.0 | 2.0 | 1.2 | 3.2 | 2200 | |
| K22R 355 LY6 | | 315 | 315 | 3039 | 990 | 995 | 96.6 | 0.84 | 560 | 590 | 8.8 | 2.0 | 1.2 | 3.4 | 2400 | |

***) upon request

Three-phase motors with squirrel-cage rotor for marine use

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 50 Hz

| Motor selection data | | | | | | | | | | | | | | Design point 400 V, 380 V, 50 Hz | |
|--------------------------------------|--------------|--------------------------|---------------------------|----------------|----------------|--------------------------------|-------------------|-------------------------|-------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------------|------|
| Type | Type | P _B GL, RS | P _B BV, DNV | M _B | n _B | η _B (EN 60034-2) | cosφ _B | I _B 400 V | I _B 380 V | I _A /I _B | M _A /M _B | M _G /M _B | M _K /M _B | J | m |
| | | DNV-GL | LR, ABS, CCS | | | 100 % | - | A | A | - | - | - | - | kgm ² | kg |
| Synchronous 750 rpm – 8-pole version | | | | | | | | | | | | | | | |
| KPER 71 K8 | KPR 63 K8 | 0.09 | 0.09 | 1.3 | 665 | 44.4 | 0.54 | 0.54 | 0.57 | 2.1 | 1.7 | 1.7 | 1.9 | 0.00050 | 6.6 |
| KPER 71 G8 | KPR 63 G8 | 0.12 | 0.12 | 1.7 | 660 | 47.6 | 0.55 | 0.67 | 0.70 | 2.3 | 1.6 | 1.6 | 2.0 | 0.00060 | 8.1 |
| KPER 80 K8 | KPR 71 K8 | 0.18 | 0.18 | 2.5 | 675 | 56.5 | 0.64 | 0.72 | 0.76 | 2.7 | 1.8 | 1.8 | 2.0 | 0.00130 | 10.5 |
| KPER 80 G8 | KPR 71 G8 | 0.25 | 0.25 | 3.5 | 685 | 60.1 | 0.59 | 1.02 | 1.07 | 3.0 | 2.1 | 2.1 | 2.3 | 0.00175 | 12.0 |
| KPER 90 S8 | KPR 80 K8 | 0.37 | 0.37 | 5.1 | 695 | 61.5 | 0.59 | 1.48 | 1.56 | 2.9 | 1.7 | 1.7 | 1.9 | 0.00300 | 15.0 |
| KPER 90 L8 | KPR 80 G8 | 0.55 | 0.55 | 7.6 | 690 | 64.5 | 0.62 | 1.97 | 2.07 | 3.1 | 1.7 | 1.7 | 2.0 | 0.00375 | 18.0 |
| KPER 100 L8 | KPR 90 L8 | 0.75 | 0.75 | 10.2 | 700 | 67 | 0.62 | 2.61 | 2.75 | 3.2 | 1.8 | 1.8 | 2.1 | 0.00625 | 23.0 |
| KPER 100 LX8 | KPR 100 S8 | 1.1 | 1.1 | 15.1 | 695 | 73 | 0.69 | 3.14 | 3.30 | 3.9 | 1.8 | 1.8 | 2.2 | 0.00900 | 28.0 |
| KPER 112 M8 | KPR 100 L8 | 1.5 | 1.5 | 20.6 | 695 | 74.5 | 0.73 | 3.99 | 4.20 | 4.1 | 2.0 | 1.9 | 2.3 | 0.01225 | 33.5 |
| KPER 112 MX8 | KPR 100 LX8 | 2.2 | 2.2 | 30.7 | 685 | 74.1 | 0.68 | 6.30 | 6.6 | 3.8 | 2 | 1.9 | 2.3 | 0.0139 | ***) |
| KPER 132 S8T | | 2.2 | 2.2 | 30.7 | 685 | 74.1 | 0.68 | 6.30 | 6.6 | 3.8 | 2 | 1.9 | 2.3 | 0.0139 | 39 |
| KPER 132 S8 | KPR 112 M8 | 2.2 | 2.2 | 29.8 | 705 | 75.5 | 0.76 | 5.50 | 5.8 | 4.5 | 1.7 | 1.6 | 2.3 | 0.018 | 46 |
| KPER 132 M8 | KPR 112 MX8 | 3.0 | 3.0 | 40.6 | 705 | 78 | 0.75 | 7.40 | 7.8 | 4.5 | 1.7 | 1.6 | 2.3 | 0.023 | 53 |
| K11R 160 M8 | K10R 132 S8 | 4 | 4 | 54 | 710 | 79.3 | 0.78 | 9.31 | 9.8 | 4 | 1.6 | 1.3 | 1.9 | 0.0430 | 70 |
| K11R 160 MX8 | K10R 132 M8 | 5.5 | 5.5 | 74 | 710 | 81.4 | 0.78 | 12.4 | 13 | 4.5 | 1.7 | 1.6 | 2.1 | 0.0530 | 86 |
| K11R 160 L8 | K10R 160 S8 | 7.5 | 7.5 | 99 | 725 | 83 | 0.78 | 16.6 | 17.5 | 4.5 | 1.8 | 1.6 | 2.1 | 0.1130 | 114 |
| K11R 180 L8 | K10R 160 M8 | 11 | 10.5 | 146 | 720 | 85 | 0.78 | 23.8 | 25 | 4.5 | 2 | 1.7 | 2.1 | 0.1450 | 136 |
| K11R 200 L8 | K10R 180 S8 | 15 | 15 | 198 | 725 | 86.5 | 0.79 | 31.8 | 33.5 | 5 | 2 | 1.7 | 2.3 | 0.228 | 175 |
| | K10R 180 M8 | 18.5 | 17.5 | 244 | 725 | 87.5 | 0.8 | 38.0 | 40 | 5 | 1.9 | 1.7 | 2.2 | 0.268 | |
| K11R 225 S8 | | 18.5 | 17.5 | 244 | 725 | 89.2 | 0.83 | 36.1 | 38 | 5.5 | 2 | 1.6 | 2.2 | 0.440 | 265 |
| K11R 225 M8 | K10R 200 M8 | 22 | 22 | 290 | 725 | 89.2 | 0.84 | 42.3 | 44.5 | 5 | 1.8 | 1.5 | 2.2 | 0.440 | 265 |
| K11R 250 M8 | K10R 225 M8 | 30 | 30 | 392 | 730 | 90.2 | 0.79 | 60.8 | 64 | 5.5 | 2.2 | 1.8 | 2.2 | 0.825 | 360 |
| K11R 280 S8 | K10R 250 S8 | 37 | 37 | 481 | 735 | 91 | 0.8 | 73.2 | 77 | 5.5 | 2 | 1.5 | 2 | 1.35 | 465 |
| K11R 280 M8 | K10R 250 M8 | 45 | 45 | 585 | 735 | 91.5 | 0.77 | 92 | 97 | 6 | 2.3 | 1.8 | 2.4 | 1.55 | 520 |
| K11R 315 S8 | K10R 280 S8 | 55 | 55 | 710 | 740 | 93.1 | 0.8 | 106 | 112 | 6.5 | 1.8 | 1.6 | 2.3 | 2.63 | 690 |
| K11R 315 M8 | K10R 280 M8 | 75 | 75 | 968 | 740 | 93.3 | 0.81 | 143 | 151 | 6 | 2 | 1.6 | 2.3 | 3.33 | 800 |
| K11R 315 MX8 | K10R 315 S8 | 90 | 90 | 1161 | 740 | 93.5 | 0.81 | 172 | 181 | 6 | 1.9 | 1.6 | 2.2 | 3.60 | 880 |
| K11R 315 MY8 | K10R 315 M8 | 110 | 110 | 1420 | 740 | 94.6 | 0.81 | 207 | 218 | 6.5 | 2.1 | 1.8 | 2.4 | 6.00 | 1050 |
| K11R 315 L8 | K10R 315 L8 | 132 | 132 | 1704 | 740 | 95 | 0.83 | 241 | 254 | 6.3 | 2 | 1.7 | 2.1 | 6.76 | 1250 |
| K11R 315 LX8 | K10R 315 LX8 | 160 | 160 | 2065 | 740 | 95.2 | 0.79 | 307 | 323 | 7.2 | 2.2 | 1.9 | 2.5 | 8.71 | 1430 |
| K22R 355 M8 | | 180 | 180 | 2307 | 745 | 95.6 | 0.77 | 355 | 375 | 7.5 | 1.8 | 1.2 | 3.0 | 9.5 | 1600 |
| K22R 355 MX8 | | 200 | 200 | 2564 | 745 | 95.9 | 0.79 | 380 | 400 | 8.2 | 2.0 | 1.3 | 3.5 | 13.4 | 2200 |
| K22R 355 LY8 | | 250 | 250 | 3205 | 745 | 95.8 | 0.74 | 510 | 540 | 8.0 | 2.2 | 1.3 | 3.5 | 15.8 | 2400 |

***) upon request

Three-phase motors with squirrel-cage rotor for marine use

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 60 Hz

| Motor selection data | | | | | | | | | | | | | | Design point 480 V, 440 V, 60 Hz | |
|---------------------------------------|--------------|--------------------------|---------------------------|----------------|----------------|--------------------------------|-------------------|-------------------------|-------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------------|------|
| Type | Type | P _B GL, RS | P _B BV, DNV | M _B | n _B | η _B (EN 60034-2) | cosφ _B | I _B 480 V | I _B 440 V | I _A /I _B | M _A /M _B | M _G /M _B | M _K /M _B | J | m |
| | | DNV-GL | LR, ABS, CCS | | | 100 % | - | A | A | - | - | - | - | kgm ² | kg |
| Synchronous 3600 rpm – 2-pole version | | | | | | | | | | | | | | | |
| KPER 56 K2 | | 0.105 | 0.105 | 0.3 | 3460 | 71.0 | 0.68 | 0.25 | 0.27 | 5.8 | 2.6 | 2.6 | 3.3 | 0.00013 | 4.4 |
| KPER 56 G2 | | 0.14 | 0.14 | 0.4 | 3440 | 73.0 | 0.72 | 0.32 | 0.35 | 5.2 | 2.3 | 2.3 | 2.8 | 0.00013 | 4.5 |
| KPER 63 K2 | KPR 56 K2 | 0.21 | 0.21 | 0.6 | 3370 | 70.0 | 0.80 | 0.45 | 0.49 | 4.4 | 2.0 | 1.8 | 2.3 | 0.00013 | 4.9 |
| KPER 63 G2 | KPR 56 G2 | 0.30 | 0.30 | 0.8 | 3390 | 74.0 | 0.76 | 0.64 | 0.70 | 4.3 | 2.0 | 2.0 | 2.3 | 0.00015 | 5.2 |
| KPER 71 K2 | KPR 63 K2 | 0.44 | 0.44 | 1.3 | 3350 | 74.0 | 0.85 | 0.84 | 0.92 | 4.4 | 1.9 | 1.7 | 2.0 | 0.00025 | 6.7 |
| KPER 71 G2 | KPR 63 G2 | 0.65 | 0.65 | 1.9 | 3300 | 75 | 0.87 | 1.20 | 1.31 | 5.3 | 1.9 | 1.9 | 2.3 | 0.00032 | 7.6 |
| KPER 80 K2 | KPR 71 K2 | 0.90 | 0.90 | 2.5 | 3400 | 80.0 | 0.85 | 1.60 | 1.74 | 5.6 | 2.1 | 2.0 | 2.2 | 0.00057 | 10.7 |
| KPER 80 G2 | KPR 71 G2 | 1.3 | 1.3 | 3.7 | 3400 | 79.0 | 0.85 | 2.33 | 2.54 | 5.8 | 2.0 | 2.0 | 2.3 | 0.00072 | 11.5 |
| KPER 90 S2 | KPR 80 K2 | 1.8 | 1.8 | 5.0 | 3440 | 81 | 0.89 | 2.98 | 3.25 | 6.2 | 2.1 | 1.8 | 2.2 | 0.00132 | 16.0 |
| KPER 90 L2 | KPR 80 G2 | 2.6 | 2.6 | 7.3 | 3420 | 82.0 | 0.88 | 4.35 | 4.75 | 7.3 | 2.4 | 1.9 | 2.4 | 0.0017 | 19.0 |
| KPER 100 L2 | KPR 90 L2 | 3.6 | 3.6 | 10.0 | 3430 | 85.0 | 0.88 | 5.78 | 6.30 | 6.3 | 2.0 | 1.9 | 2.3 | 0.00275 | 25.0 |
| KPER 112 M2 | KPR 100 S2 | 4.8 | 4.8 | 13.2 | 3470 | 84.5 | 0.86 | 7.93 | 8.65 | 7.0 | 1.8 | 1.7 | 2.4 | 0.0045 | 32 |
| KPER 112 MX2 | KPR 100 L2 | 6.6 | 6.6 | 18.2 | 3460 | 85.0 | 0.89 | 10.5 | 11.5 | 8.0 | 2.0 | 1.8 | 2.5 | 0.0055 | 38 |
| KPER 132 S2T | | | 6.6 | 18.01 | 3500 | 86 | 0.84 | 11 | | 8.8 | 2.4 | 2.2 | 3 | 0.0055 | 40 |
| KPER 132 S2 | KPR 112 MY2 | | 6.6 | 18.38 | 3430 | 85.7 | 0.85 | 11 | | 5.5 | 1.7 | 1.5 | 2.2 | 0.0081 | 52 |
| KPER 112 MV2 | KPR 100 LV2 | | 9 | 24.7 | 3480 | 88 | 0.83 | 14.8 | | 6.9 | 1.5 | 1.2 | 2.7 | 0.0068 | 46 |
| KPER 132 SX2T | | | 9 | 24.7 | 3480 | 88 | 0.83 | 14.8 | | 6.9 | 1.5 | 1.2 | 2.7 | 0.0068 | 48 |
| KPER 132 SX2 | KPR 112 M2 | | 9 | 24.7 | 3480 | 87 | 0.86 | 14.5 | | 6.6 | 1.8 | 1.3 | 2.4 | 0.011 | 57 |
| KPER 132 M2 | | | | | | | | | | | | | | | |
| K11R 160 M2 | K10R 132 M2 | 13 | 13 | 36 | 3480 | 88.0 | 0.90 | 19.7 | 21.5 | 7 | 2.4 | 1.9 | 3 | 0.0258 | 81 |
| K11R 160 MX2 | K10R 160 S2 | 18 | 18 | 49 | 3530 | 89.6 | 0.90 | 27.0 | 29.5 | 7.1 | 2.2 | 1.7 | 2.9 | 0.0575 | 118 |
| K11R 160 L2 | K10R 160 M2 | 22 | 22 | 60 | 3515 | 90.0 | 0.92 | 32.1 | 35 | 6.5 | 1.9 | 1.4 | 2.6 | 0.0675 | 134 |
| K11R 180 M2 | K10R 180 S2 | 26 | 26 | 70 | 3525 | 91.8 | 0.92 | 37.1 | 40.5 | 6.3 | 1.5 | 1.3 | 2.3 | 0.105 | 165 |
| K11R 200 L2 | K10R 180 M2 | 36 | 36 | 97 | 3535 | 92.5 | 0.92 | 50.9 | 55.5 | 6.9 | 2 | 1.5 | 2.7 | 0.128 | 195 |
| K11R 200 LX2 | K10R 200 M2 | 44 | 44 | 119 | 3535 | 93.0 | 0.91 | 62 | 68 | 6.5 | 1.6 | 1.2 | 2.3 | 0.193 | 255 |
| K11R 225 M2 | K10R 200 L2 | 54 | 54 | 146 | 3530 | 93.5 | 0.90 | 77 | 84 | 7 | 1.7 | 1.3 | 2.5 | 0.220 | 290 |
| K11R 250 M2 | K10R 225 M2 | 66 | 66 | 178 | 3545 | 93.5 | 0.90 | 94 | 103 | 6.8 | 1.8 | 1.4 | 2.3 | 0.375 | 360 |
| K11R 280 S2 | K10R 250 S2 | 90 | 90 | 241 | 3565 | 94.0 | 0.92 | 126 | 137 | 6.8 | 1.8 | 1.4 | 2.4 | 0.650 | 490 |
| K11R 280 M2 | K10R 250 M2 | 105 | 105 | 281 | 3565 | 94.5 | 0.91 | 147 | 160 | 7.6 | 2 | 1.6 | 2.6 | 0.675 | 510 |
| K11R 315 S2 | K10R 280 S2 | 132 | 132 | 353 | 3570 | 95.0 | 0.91 | 183 | 200 | 7.5 | 1.3 | 1.2 | 2.3 | 1.21 | 720 |
| K11R 315 M2 | K10R 280 M2 | 158 | 150 | 401 | 3570 | 95.4 | 0.91 | 219 | 239 | 7.7 | 1.8 | 1.6 | 2.3 | 1.44 | 800 |
| K11R 315 MX2 | K10R 315 S2 | 190 | 190 | 508 | 3570 | 96.0 | 0.92 | 259 | 282 | 7.6 | 1.8 | 1.5 | 2.4 | 1.76 | 980 |
| K11R 315 MY2 | K10R 315 M2 | 225 | 225 | 602 | 3568 | 95.8 | 0.91 | 311 | 339 | 8 | 2.6 | 2 | 2.6 | 2.82 | 1170 |
| K11R 315 L2 | K10R 315 L2 | 280 | 280 | 749 | 3570 | 96.0 | 0.92 | 381 | 416 | 6.6 | 1.9 | 1.3 | 1.8 | 3.66 | 1460 |
| K11R 315 LX2 | K10R 315 LX2 | 310 | 310 | 827 | 3580 | 96.7 | 0.91 | 424 | 462 | 8.8 | 2.9 | 1.7 | 2.4 | 4.43 | 1630 |
| K22R 355 M2 | | 340 | 340 | 906 | 3585 | | | | | | | | | 4.20 | 2000 |
| K22R 355 MX2 | | 390 | 390 | 1039 | 3585 | | | | | | | | | 5.50 | 2200 |
| K22R 355 LY2 | | 440 | 440 | 1172 | 3585 | | | | | | | | | 7.10 | 2400 |
| K22R 355 L2 | | 490 | 490 | 1305 | 3585 | | | | | | | | | 7.10 | 2400 |

Three-phase motors with squirrel-cage rotor for marine use

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 60 Hz

| Motor selection data | | | | | | | | | | | | | | Design point 480 V, 440 V, 60 Hz | |
|---------------------------------------|--------------|--------------------------|---------------------------|----------------|----------------|--------------------------------|-------------------|-------------------------|-------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------------|------|
| Type | Type | P _B GL, RS | P _B BV, DNV | M _B | n _B | η _B (EN 60034-2) | cosφ _B | I _B 480 V | I _B 440 V | I _A /I _B | M _A /M _B | M _G /M _B | M _K /M _B | J | m |
| | | DNV-GL | LR, ABS, CCS | | | 100 % | - | A | A | - | - | - | - | kgm ² | kg |
| Synchronous 1800 rpm – 4-pole version | | | | | | | | | | | | | | | |
| KPER 56 K4 | | | 0.075 | 0.42 | 1710 | 63 | 0.6 | 0.24 | | 3.5 | 2.5 | 2.5 | 2.9 | 0.00019 | 4.3 |
| KPER 56 G4 | | | 0.105 | 0.59 | 1690 | 63 | 0.63 | 0.32 | | 3.5 | 2.3 | 2.3 | 2.5 | 0.00019 | 4.4 |
| KPER 63 K4 | KPR 56 K4 | 0.14 | 0.14 | 0.8 | 1660 | 61.0 | 0.70 | 0.39 | 0.43 | 3.2 | 1.7 | 1.7 | 2.1 | 0.00019 | 4.8 |
| KPER 63 G4 | KPR 56 G4 | 0.21 | 0.21 | 1.2 | 1660 | 65.0 | 0.68 | 0.57 | 0.62 | 3.3 | 1.9 | 1.9 | 2.2 | 0.00024 | 5.2 |
| KPER 71 K4 | KPR 63 K4 | 0.30 | 0.30 | 1.7 | 1660 | 67.0 | 0.76 | 0.71 | 0.77 | 3.7 | 1.6 | 1.6 | 1.8 | 0.00040 | 6.8 |
| KPER 71 G4 | KPR 63 G4 | 0.44 | 0.44 | 2.5 | 1660 | 71.0 | 0.77 | 0.97 | 1.06 | 3.9 | 1.8 | 1.8 | 2.0 | 0.00050 | 7.8 |
| KPER 80 K4 | KPR 71 K4 | 0.65 | 0.65 | 3.7 | 1690 | 74.0 | 0.75 | 1.41 | 1.54 | 4.5 | 2.0 | 1.7 | 2.1 | 0.00087 | 10.6 |
| KPER 80 G4 | KPR 71 G4 | 0.90 | 0.90 | 5.1 | 1685 | 76.0 | 0.76 | 1.88 | 2.05 | 4.8 | 1.9 | 1.8 | 2.0 | 0.00107 | 11.7 |
| KPER 90 S4 | KPR 80 K4 | 1.3 | 1.3 | 7.3 | 1700 | 78.0 | 0.83 | 2.43 | 2.65 | 5.2 | 1.9 | 1.8 | 2.2 | 0.00207 | 15.5 |
| KPER 90 L4 | KPR 80 G4 | 1.8 | 1.8 | 10.2 | 1690 | 80.0 | 0.84 | 3.21 | 3.50 | 5.2 | 2.1 | 2.0 | 2.2 | 0.00260 | 18.0 |
| KPER 100 L4 | KPR 90 L4 | 2.6 | 2.6 | 14.6 | 1705 | 82.0 | 0.80 | 4.77 | 5.20 | 5.8 | 2.1 | 2 | 2.2 | 0.00400 | 23.5 |
| KPER 100 LX4 | KPR 100 S4 | 3.6 | 3.6 | 20.0 | 1715 | 82.0 | 0.83 | 6.37 | 6.95 | 6.2 | 2.1 | 1.8 | 2.4 | 0.00725 | 30 |
| KPER 112 M4 | KPR 100 L4 | 4.8 | 4.8 | 26.7 | 1720 | 85.0 | 0.83 | 8.25 | 9.00 | 6.6 | 2.3 | 2.1 | 2.8 | 0.00900 | 37 |
| KPER 112 MX4 | KPR 100 LX4 | | 6.6 | 36.65 | 1720 | 87 | 0.76 | 12.2 | | 6.7 | 2.5 | 2.5 | 2.9 | 0.011 | 45 |
| KPER 132 S4T | | | 6.6 | 36.65 | 1720 | 87 | 0.76 | 12.2 | | 6.7 | 2.5 | 2.5 | 2.9 | 0.011 | 47 |
| KPER 132 S4 | KPR 112 M4 | | 6.6 | 36.12 | 1745 | 84.5 | 0.88 | 10.5 | | 6.5 | 1.9 | 1.7 | 3 | 0.015 | 50 |
| KPER 132 M4 | | | | | | | | | | | | | | | |
| K11R 132 M4 | K10R 132 S4 | 9 | 9 | 49 | 1745 | 86 | 0.85 | 14.7 | 16 | 5.6 | 1.8 | 1.5 | 2.6 | 0.0280 | 70 |
| K11R 160 M4 | K10R 132 M4 | 13 | 13 | 71 | 1750 | 88 | 0.86 | 20.6 | 22.5 | 6.5 | 2 | 1.7 | 3 | 0.0350 | 92 |
| K11R 160 L4 | K10R 160 S4 | 18 | 18 | 98 | 1760 | 89 | 0.87 | 28.0 | 30.5 | 7 | 2.3 | 1.8 | 2.7 | 0.0780 | 120 |
| K11R 180 M4 | K10R 160 M4 | 22 | 20 | 109 | 1755 | 89.5 | 0.87 | 33.9 | 37 | 6.3 | 2.3 | 1.8 | 2.6 | 0.0900 | 136 |
| K11R 180 L4 | K10R 180 S4 | 26 | 26 | 141 | 1765 | 90.5 | 0.85 | 40.8 | 44.5 | 6.1 | 1.8 | 1.6 | 2.4 | 0.1380 | 170 |
| K11R 200 L4 | K10R 180 M4 | 36 | 34 | 184 | 1765 | 92 | 0.86 | 54.5 | 59.5 | 6.6 | 1.8 | 1.6 | 2.2 | 0.1680 | 200 |
| K11R 225 S4 | K10R 200 M4 | 44 | 44 | 238 | 1765 | 92.5 | 0.86 | 66.5 | 72.5 | 6.6 | 1.8 | 1.5 | 2.3 | 0.2750 | 270 |
| K11R 225 M4 | K10R 200 L4 | 54 | 49.5 | 267 | 1770 | 92 | 0.86 | 82.0 | 89.5 | 6.5 | 1.8 | 1.5 | 2.3 | 0.3130 | 300 |
| K11R 250 M4 | K10R 225 M4 | 66 | 63 | 340 | 1770 | 92.5 | 0.86 | 100 | 109 | 6.5 | 2 | 1.5 | 2 | 0.5250 | 375 |
| K11R 280 S4 | K10R 250 S4 | 90 | 90 | 484 | 1777 | 94 | 0.85 | 136 | 148 | 6.5 | 1.8 | 1.6 | 1.9 | 0.9500 | 520 |
| K11R 280 M4 | K10R 250 M4 | 105 | 105 | 564 | 1777 | 94.4 | 0.86 | 156 | 170 | 6.5 | 1.9 | 1.4 | 1.9 | 1.10 | 580 |
| K11R 315 S4 | K10R 280 S4 | 132 | 132 | 708 | 1780 | 95 | 0.85 | 196 | 214 | 7.3 | 1.6 | 1.4 | 2 | 1.96 | 740 |
| K11R 315 M4 | K10R 280 M4 | 158 | 158 | 849 | 1777 | 95 | 0.85 | 236 | 257 | 6.6 | 1.6 | 1.3 | 2 | 2.27 | 840 |
| K11R 315 MX4 | K10R 315 S4 | 190 | 190 | 1022 | 1775 | 94.5 | 0.86 | 281 | 307 | 6.6 | 1.6 | 1.4 | 1.8 | 2.73 | 1000 |
| K11R 315 MY4 | K10R 315 M4 | 225 | 225 | 1204 | 1785 | 96 | 0.88 | 320 | 349 | 7.4 | 1.9 | 1.8 | 2.3 | 4.82 | 1200 |
| K11R 315 L4 | K10R 315 L4 | 280 | 280 | 1498 | 1785 | 96.1 | 0.88 | 398 | 434 | 7.4 | 1.9 | 1.5 | 2.2 | 5.93 | 1450 |
| K11R 315 LX4 | K10R 315 LX4 | 310 | 310 | 1654 | 1790 | 96.8 | 0.88 | 438 | 478 | 8.8 | 1.9 | 1.6 | 2.5 | 6.82 | 1630 |
| K22R 355 M4 | | 340 | 340 | 1814 | 1790 | | | | | | | | | 7.9 | 2150 |
| K22R 355 MX4 | | 390 | 390 | 2081 | 1790 | | | | | | | | | 9.5 | 2400 |
| K22R 355 LY4 | | 440 | 440 | 2347 | 1790 | | | | | | | | | 10.0 | 2500 |

Three-phase motors with squirrel-cage rotor for marine use

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 60 Hz

| Motor selection data | | | | | | | | | | | | | | Design point 480 V, 440 V, 60 Hz | |
|---------------------------------------|--------------|--------------------------|---------------------------|----------------|----------------|--------------------------------|-------------------|-------------------------|-------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------------|------|
| Type | Type | P _B GL, RS | P _B BV, DNV | M _B | n _B | η _B (EN 60034-2) | cosφ _B | I _B 480 V | I _B 440 V | I _A /I _B | M _A /M _B | M _G /M _B | M _K /M _B | J | m |
| | | DNV-GL | LR, ABS, CCS | | | 100 % | - | A | A | - | - | - | - | kgm ² | kg |
| Synchronous 1200 rpm – 6-pole version | | | | | | | | | | | | | | | |
| KPER 63 K6 | KPR 56 K6 | 0.105 | 0.105 | 0.9 | 1085 | 53.0 | 0.58 | 0.41 | 0.45 | 2.7 | 1.9 | 1.9 | 2.2 | 0.00024 | 4.9 |
| KPER 63 G6 | KPR 56 G6 | 0.14 | 0.14 | 1.2 | 1080 | 56.0 | 0.57 | 0.53 | 0.58 | 2.5 | 1.9 | 1.9 | 2.1 | 0.00027 | 5.7 |
| KPER 71 K6 | KPR 63 K6 | 0.21 | 0.21 | 1.8 | 1120 | 65.0 | 0.53 | 0.73 | 0.80 | 3.2 | 1.4 | 1.4 | 1.7 | 0.00045 | 7.4 |
| KPER 71 G6 | KPR 63 G6 | 0.30 | 0.30 | 2.6 | 1100 | 64.0 | 0.58 | 0.97 | 1.06 | 3.2 | 1.6 | 1.6 | 1.8 | 0.00060 | 8.3 |
| KPER 80 K6 | KPR 71 K6 | 0.44 | 0.44 | 3.8 | 1110 | 67.0 | 0.74 | 1.07 | 1.17 | 3.6 | 1.7 | 1.6 | 1.7 | 0.00130 | 11.0 |
| KPER 80 G6 | KPR 71 G6 | 0.65 | 0.65 | 5.6 | 1110 | 71.0 | 0.71 | 1.56 | 1.70 | 3.8 | 1.9 | 1.8 | 2.0 | 0.00175 | 12.5 |
| KPER 90 S6 | KPR 80 K6 | 0.90 | 0.90 | 7.6 | 1130 | 73.0 | 0.68 | 2.20 | 2.40 | 4.7 | 1.9 | 1.9 | 2.2 | 0.00325 | 16.0 |
| KPER 90 L6 | KPR 80 G6 | 1.3 | 1.3 | 11.1 | 1120 | 75.0 | 0.70 | 2.98 | 3.25 | 4.5 | 1.8 | 1.8 | 2.0 | 0.00425 | 19.0 |
| KPER 100 L6 | KPR 90 L6 | 1.8 | 1.8 | 15.2 | 1130 | 79.0 | 0.75 | 3.67 | 4.00 | 4.8 | 1.7 | 1.6 | 2.0 | 0.00625 | 24.0 |
| KPER 112 M6 | KPR 100 L6 | 2.6 | 2.6 | 21.8 | 1140 | 81.0 | 0.81 | 4.77 | 5.20 | 5.8 | 1.8 | 1.7 | 2.3 | 0.01225 | 33.5 |
| KPER 112 MX6 | KPR 100 LX6 | | 3.6 | 30.16 | 1140 | 82.5 | 0.75 | 7 | | 5.6 | 2 | 2.2 | 2.7 | 0.0139 | *** |
| KPER 132 S6T | | | 3.6 | 30.16 | 1140 | 82.5 | 0.75 | 7 | | 5.6 | 2 | 2.2 | 2.7 | 0.0139 | 39 |
| KPER 132 S6 | KPR 112 M6 | | 3.6 | 29.77 | 1155 | 79 | 0.79 | 7 | | 5.7 | 1.9 | 1.6 | 2.7 | 0.018 | 46 |
| KPER 132 M6 | KPR 112 MX6 | | 4.8 | 39.69 | 1155 | 80 | 0.78 | 9 | | 6 | 2.2 | 2 | 3.1 | 0.023 | 53 |
| K11R 132 MX6 | K10R 132 S6 | 6.6 | 6.6 | 55 | 1145 | 83 | 0.82 | 11.5 | 12.5 | 4.8 | 1.6 | 1.3 | 2 | 0.0430 | 70 |
| K11R 160 M6 | K10R 132 M6 | 9 | 9 | 75 | 1145 | 85 | 0.82 | 15.6 | 17 | 5.2 | 1.8 | 1.4 | 2.2 | 0.0530 | 86 |
| K11R 160 L6 | K10R 160 S6 | 13 | 13 | 107 | 1155 | 85.5 | 0.86 | 21.1 | 23 | 4.6 | 1.8 | 1.5 | 2 | 0.1130 | 114 |
| K11R 180 L6 | K10R 160 M6 | 16 | 15.5 | 127 | 1165 | 87 | 0.83 | 26.6 | 29 | 5.8 | 2.2 | 1.9 | 2.6 | 0.1450 | 136 |
| K11R 200 L6 | K10R 180 S6 | 21 | 21 | 172 | 1168 | 88.4 | 0.87 | 33.0 | 36 | 5.5 | 1.9 | 1.6 | 2.3 | 0.2280 | 175 |
| K11R 200 LX6 | K10R 180 M6 | 26 | 26 | 212 | 1170 | 89.3 | 0.87 | 40.3 | 44 | 5.9 | 1.9 | 1.6 | 2.5 | 0.2680 | 200 |
| K11R 225 M6 | K10R 200 M6 | 34 | 34 | 278 | 1170 | 90.3 | 0.88 | 51.3 | 56 | 5.9 | 1.8 | 1.5 | 2.4 | 0.4430 | 265 |
| K11R 250 M6 | K10R 225 M6 | 42 | 42 | 342 | 1172 | 91.5 | 0.88 | 62.8 | 68.5 | 5.8 | 2 | 1.6 | 2.1 | 0.8250 | 360 |
| K11R 280 S6 | K10R 250 S6 | 54 | 54 | 437 | 1180 | 92 | 0.87 | 81.1 | 88.5 | 5.5 | 1.8 | 1.4 | 1.8 | 1.28 | 465 |
| K11R 280 M6 | K10R 250 M6 | 66 | 66 | 534 | 1180 | 92.5 | 0.88 | 97 | 106 | 6.5 | 2.2 | 1.7 | 2.2 | 1.48 | 520 |
| K11R 315 S6 | K10R 280 S6 | 90 | 90 | 727 | 1182 | 93.5 | 0.87 | 133 | 145 | 6.5 | 1.8 | 1.4 | 2.2 | 2.63 | 690 |
| K11R 315 M6 | K10R 280 M6 | 108 | 108 | 870 | 1185 | 94.5 | 0.87 | 158 | 172 | 6.5 | 1.8 | 1.5 | 2.1 | 3.33 | 800 |
| K11R 315 MX6 | K10R 315 S6 | 132 | 132 | 1064 | 1185 | 94 | 0.88 | 192 | 209 | 7 | 2 | 1.6 | 2.4 | 3.60 | 880 |
| K11R 315 MY6 | K10R 315 M6 | 158 | 158 | 1268 | 1190 | 95 | 0.88 | 227 | 248 | 7 | 1.9 | 1.6 | 2.3 | 6.00 | 1050 |
| K11R 315 L6 | K10R 315 L6 | 190 | 180 | 1451 | 1185 | 95.2 | 0.89 | 270 | 294 | 7 | 2.2 | 1.8 | 2.3 | 6.67 | 1250 |
| K11R 315 LX6 | K10R 315 LX6 | 230 | 220 | 1773 | 1185 | 95.2 | 0.89 | 326 | 356 | 7.7 | 2 | 1.8 | 2.5 | 8.6 | 1460 |
| K22R 355 M6 | | 240 | 240 | 1926 | 1190 | | | | | | | | | 8.2 | 1650 |
| K22R 355 MX6 | | 270 | 270 | 2167 | 1190 | | | | | | | | | 12.1 | 2200 |
| K22R 355 LY6 | | 340 | 340 | 2729 | 1190 | | | | | | | | | 14.0 | 2400 |

***) upon request

Three-phase motors with squirrel-cage rotor for marine use

with surface cooling, duty type S1, continuous duty
for rated voltage, thermal class 155 (F), degree of protection IP 55, 60 Hz

| Motor selection data | | | | | | | | | | | | | | Design point 480 V, 440 V, 60 Hz | |
|--------------------------------------|--------------|--------------------------|---------------------------|----------------|----------------|--------------------------------|-------------------|-------------------------|-------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------------|------|
| Type | Type | P _B GL, RS | P _B BV, DNV | M _B | n _B | η _B (EN 60034-2) | cosφ _B | I _B 480 V | I _B 440 V | I _A /I _B | M _A /M _B | M _G /M _B | M _K /M _B | J | m |
| | | DNV-GL | LR, ABS, CCS | Nm | rpm | 100 % | - | A | A | - | - | - | - | kgm ² | kg |
| Synchronous 900 rpm – 8-pole version | | | | | | | | | | | | | | | |
| KPER 71 K8 | KPR 63 K8 | 0.105 | 0.105 | 1.2 | 820 | 50.0 | 0.54 | 0.47 | 0.51 | 2.3 | 1.6 | 1.6 | 1.7 | 0.00050 | 6.6 |
| KPER 71 G8 | KPR 63 G8 | 0.14 | 0.14 | 1.6 | 815 | 51.0 | 0.53 | 0.62 | 0.68 | 2.5 | 1.5 | 1.5 | 1.8 | 0.00060 | 8.1 |
| KPER 80 K8 | KPR 71 K8 | 0.21 | 0.21 | 2.4 | 830 | 60.0 | 0.62 | 0.68 | 0.74 | 2.8 | 1.6 | 1.6 | 1.8 | 0.00130 | 10.5 |
| KPER 80 G8 | KPR 71 G8 | 0.30 | 0.30 | 3.4 | 835 | 62.0 | 0.60 | 0.97 | 1.06 | 3.1 | 1.9 | 1.9 | 2.1 | 0.00175 | 12.0 |
| KPER 90 S8 | KPR 80 K8 | 0.44 | 0.44 | 4.9 | 850 | 65.0 | 0.57 | 1.43 | 1.56 | 3.6 | 1.6 | 1.6 | 1.7 | 0.00300 | 15.0 |
| KPER 90 L8 | KPR 80 G8 | 0.65 | 0.65 | 7.4 | 840 | 70.0 | 0.60 | 1.86 | 2.03 | 3.7 | 1.7 | 1.7 | 1.8 | 0.00375 | 18.0 |
| KPER 100 L8 | KPR 90 L8 | 0.90 | 0.90 | 10.1 | 850 | 69.0 | 0.63 | 2.48 | 2.70 | 3.7 | 1.6 | 1.6 | 1.9 | 0.00625 | 23.0 |
| KPER 100 LX8 | KPR 100 S8 | 1.3 | 1.3 | 14.6 | 850 | 76.0 | 0.69 | 2.98 | 3.25 | 4.2 | 1.6 | 1.6 | 2.0 | 0.00900 | 28.0 |
| KPER 112 M8 | KPR 100 L8 | 1.8 | 1.8 | 20.5 | 840 | 78.0 | 0.73 | 3.80 | 4.15 | 4.2 | 1.8 | 1.7 | 2.1 | 0.01225 | 33.5 |
| KPER 112 MX8 | KPR 100 LX8 | | 2.6 | 29.56 | 840 | 77.3 | 0.66 | 6.15 | | 4.1 | 1.6 | 1.6 | 2.1 | 0.0139 | ***) |
| KPER 132 S8T | | | 2.6 | 29.56 | 840 | 77.3 | 0.66 | 6.15 | | 4.1 | 1.6 | 1.6 | 2.1 | 0.0139 | 39 |
| KPER 132 S8 | KPR 112 M8 | | 2.6 | 28.71 | 865 | 76 | 0.71 | 6 | | 4.5 | 1.7 | 1.7 | 2.4 | 0.018 | 46 |
| KPER 132 M8 | KPR 112 MX8 | | 3.6 | 40.21 | 855 | 78 | 0.73 | 8 | | 4.4 | 1.7 | 1.6 | 2.3 | 0.023 | 53 |
| K11R 160 M8 | K10R 132 S8 | 4.8 | 4.8 | 54 | 850 | 79.5 | 0.75 | 9.6 | 10.5 | 3.8 | 1.4 | 1.1 | 1.7 | 0.0430 | 70 |
| K11R 160 MX8 | K10R 132 M8 | 6.6 | 6.6 | 73 | 860 | 82.3 | 0.77 | 12.4 | 13.5 | 4.1 | 1.5 | 1.4 | 2 | 0.0530 | 86 |
| K11R 160 L8 | K10R 160 S8 | 9 | 9 | 99 | 870 | 83.5 | 0.79 | 16.5 | 18 | 4 | 1.6 | 1.4 | 1.9 | 0.1130 | 114 |
| K11R 180 L8 | K10R 160 M8 | 13 | 12 | 132 | 865 | 86 | 0.78 | 23.4 | 25.5 | 4.1 | 1.8 | 1.6 | 2 | 0.1450 | 136 |
| K11R 200 L8 | K10R 180 S8 | 18 | 18 | 196 | 875 | 87.4 | 0.79 | 31.2 | 34 | 4.7 | 1.8 | 1.5 | 2 | 0.228 | 175 |
| | K10R 180 M8 | 21 | 20 | 221 | 865 | 87.5 | 0.82 | 35.3 | 38.5 | 4 | 1.8 | 1.6 | 2 | 0.268 | |
| K11R 225 S8 | | 22 | 20 | 218 | 875 | 89 | 0.81 | 36.7 | 40 | 5 | 1.8 | 1.4 | 2 | 0.440 | 265 |
| K11R 225 M8 | K10R 200 M8 | 26 | 26 | 285 | 870 | 89.5 | 0.84 | 41.7 | 45.5 | 4.7 | 1.6 | 1.4 | 2 | 0.440 | 265 |
| K11R 250 M8 | K10R 225 M8 | 36 | 36 | 391 | 880 | 90.5 | 0.78 | 61.4 | 67 | 5.1 | 2 | 1.6 | 2 | 0.825 | 360 |
| K11R 280 S8 | K10R 250 S8 | 44 | 44 | 476 | 882 | 90.5 | 0.8 | 72.9 | 79.5 | 4.9 | 1.9 | 1.4 | 1.9 | 1.35 | 465 |
| K11R 280 M8 | K10R 250 M8 | 54 | 54 | 583 | 884 | 91.5 | 0.78 | 91 | 99.5 | 5.5 | 2.1 | 1.6 | 2.1 | 1.55 | 520 |
| K11R 315 S8 | K10R 280 S8 | 66 | 66 | 709 | 889 | 93.3 | 0.8 | 106 | 116 | 6.1 | 1.6 | 1.5 | 2 | 2.63 | 690 |
| K11R 315 M8 | K10R 280 M8 | 90 | 90 | 978 | 879 | 93 | 0.81 | 144 | 157 | 5.7 | 1.8 | 1.4 | 2 | 3.33 | 800 |
| K11R 315 MX8 | K10R 315 S8 | 108 | 108 | 1168 | 883 | 93.5 | 0.81 | 171 | 187 | 5.4 | 1.6 | 1.4 | 1.8 | 3.60 | 880 |
| K11R 315 MY8 | K10R 315 M8 | 132 | 132 | 1420 | 888 | 94.5 | 0.81 | 207 | 226 | 6.3 | 1.9 | 1.7 | 2.3 | 6.00 | 1050 |
| K11R 315 L8 | K10R 315 L8 | 158 | 158 | 1695 | 890 | 94.8 | 0.82 | 245 | 267 | 6 | 1.9 | 1.6 | 2 | 6.76 | 1250 |
| K11R 315 LX8 | K10R 315 LX8 | 190 | 190 | 2039 | 890 | 95.3 | 0.8 | 300 | 327 | 6.8 | 2 | 1.7 | 2.3 | 8.71 | 1430 |
| K22R 355 M8 | | 200 | 200 | 2146 | 890 | | | | | | | | | 9.5 | 1600 |
| K22R 355 MX8 | | 220 | 220 | 2361 | 890 | | | | | | | | | 13.4 | 2200 |
| K22R 355 LY8 | | 270 | 270 | 2897 | 890 | | | | | | | | | 15.8 | 2400 |

***) upon request

Terminal boxes

Marine design, sealed cable glands, power station design, VIK design

| Type | Material | Adapter flange | Dimensions | | | | Cable gland thread | Max. cable diameter | Terminal mounting | Number of terminals | Thread of terminal stud | Thread of protective conductor | Figure |
|-----------------------------|----------|----------------|------------|-----|-----|-----|--------------------|---------------------|-------------------|---------------------|-------------------------|--------------------------------|--------|
| | | | AG | LL | AH | BE | | | | | | | |
| | | | x | z | - | - | | | | | | | |
| Standard design | | | | | | | | | | | | | |
| KA 05 | Alu | - | 92 | 92 | - | - | M20 x 1.5 | Ø 13 mm | K1M4 | 6 | M4 | M4 | |
| KA 05 | Alu | - | 92 | 92 | - | - | M25 x 1.5 | Ø 17 mm | K1M4 | 6 | M4 | M4 | |
| KA 05-13 | Alu | - | 104 | 112 | - | - | M20 x 1.5 | Ø 13 mm | K1M4 | 6 | M4 | M4 | |
| KA 05-13 | Alu | - | 104 | 112 | - | - | M25 x 1.5 | Ø 17 mm | K1M4 | 6 | M4 | M4 | |
| KA 05-13 | Alu | - | 104 | 112 | - | - | M32 x 1.5 | Ø 21 mm | K1M4 | 6 | M4 | M4 | |
| 25 A | GG-15 | - | 143 | 134 | - | - | M30 x 2 | Ø 20.5 mm | SB 5/K1M5 | 6 | M5 | M6 | 01 |
| 63 A | GG-15 | - | 174 | 162 | - | - | M36 x 2 | Ø 23.5 mm | SB 6/K1M6 | 6 | M6 | M6 | 01 |
| 63 A | GG-15 | - | 174 | 162 | - | - | M36 x 2 | Ø 23.5 mm | SB 6/K1M6 | 6 | M6 | M6 | 01 |
| 100 A | GG-15 | - | 213 | 207 | - | - | M45 x 2 | Ø 32.5 mm | SB 8 | 6 | M8 | M8 | 01 |
| 200/100 A | GG-15 | - | 282 | 242 | - | - | M56 x 2 | Ø 41.5 mm | SB 8 | 6 | M8 | M8 | 01 |
| 200 A | GG-15 | - | 282 | 242 | - | - | M56 x 2 | Ø 41.5 mm | SB 10 | 6 | M10 | M10 | 01 |
| 400 A | GG-15 | - | 315 | 294 | - | - | M56 x 2 | Ø 41.5 mm | SB 12 | 6 | M12 | M10 | 02 |
| 400 B | GG-15 | - | 415 | 340 | 265 | - | M56 x 2 | Ø 41.5 mm | KM 12 | 6 | M12 | LK | 03 |
| 400 B | GG-15 | - | 415 | 340 | 265 | - | M72 x 2 | Ø 56.5 mm | KM 12 | 6 | M12 | LK | 03 |
| 630 A | GG-15 | straight | 496 | 390 | 301 | 140 | M72 x 2 | Ø 56.5 mm | KLP 630-20 | 6 | M20 | LK | 04G |
| 630 A | GG-15 | inclined | 496 | 390 | 301 | 140 | M72 x 2 | Ø 56.5 mm | KLP 630-20 | 6 | M20 | LK | 04S |
| 1000 A | GG-15 | straight | 615 | 474 | 385 | 200 | M72 x 2 | Ø 56.5 mm | KLSO 1000 | 6 | StS | LK | 05G |
| 1000 A | GG-15 | inclined | 615 | 474 | 385 | 200 | M72 x 2 | Ø 56.5 mm | KLSO 1000 | 6 | StS | LK | 05S |
| 1000 A | GG-15 | straight | 615 | 474 | 385 | 200 | M80 x 2 | Ø 68 mm | KLSO 1000 | 6 | StS | LK | 05G |
| 1000 A | GG-15 | inclined | 615 | 474 | 385 | 200 | M80 x 2 | Ø 68 mm | KLSO 1000 | 6 | StS | LK | 05S |
| Sealed cable glands | | | | | | | | | | | | | |
| VGK 200 A | GG-15 | - | 387 | 242 | - | - | Ø 66 | Ø 66 mm | SB 10 | 6 | M10 | M10 | 06 |
| VGK 400 A | GG-15 | - | 422 | 296 | - | - | Ø 95 | Ø 95 mm | SB 12 | 6 | M12 | M10 | 06 |
| Power station design | | | | | | | | | | | | | |
| 25 A KA | GG-15 | - | 143 | 134 | - | - | M30 x 2 | Ø 20.5 mm | KL 155 | 6 | M5 | M6 | 07 |
| 63 A KA | GG-15 | - | 184 | 172 | - | - | M36 x 2 | Ø 23.5 mm | KL 155 | 6 | M5 | M6 | 07 |
| 63 A KA | GG-15 | - | 184 | 172 | - | - | M36 x 2 | Ø 23.5 mm | K1 M6 | 6 | M6 | M6 | 07 |
| 63/100 A KA | GG-15 | - | 223 | 214 | - | - | M45 x 2 | Ø 32.5 mm | K1 M6 | 6 | M6 | M6 | 07 |
| 100 A KA | GG-15 | - | 213 | 207 | - | - | M45 x 2 | Ø 32.5 mm | K1 M8 | 6 | M8 | M8 | 07 |
| 200 A KA | GG-15 | - | 285 | 258 | - | - | M56 x 2 | Ø 41.5 mm | K1 M10 | 6 | M10 | M10 | 07 |
| 200 B KA | GG-15 | - | 330 | 270 | 200 | - | M56 x 2 | Ø 41.5 mm | K1 M10 | 6 | M10 | LK | 03 |
| 400 A KA | GG-15 | - | 315 | 306 | - | - | M56 x 2 | Ø 41.5 mm | KM 12 | 6 | M12 | M10 | 07 |
| VIK design | | | | | | | | | | | | | |
| KA 05-13 | Alu | - | 104 | 112 | - | - | M20 x 1.5 | Ø 13 mm | K1M4 | 6 | M4 | M4 | |
| KA 05-13 | Alu | - | 104 | 112 | - | - | M25 x 1.5 | Ø 17 mm | K1M4 | 6 | M4 | M4 | |
| KA 05-13 | Alu | - | 104 | 112 | - | - | M32 x 1.5 | Ø 21 mm | K1M4 | 6 | M4 | M4 | |
| 25 AV Ex eb IIC | GG-15 | - | 143 | 134 | - | - | M32 x 1.5 | Ø 21 mm | KL 155 | 6 | M5 | M6 | 07 |
| 63 AV Ex eb IIC | GG-15 | - | 184 | 172 | - | - | M40 x 1.5 | Ø 28 mm | KL 155 | 6 | M5 | M6 | 07 |
| 100/63 AV Ex eb IIC | GG-15 | - | 223 | 214 | - | - | M40 x 1.5 | Ø 28 mm | KM 8/6 | 6 | M6 | M6 | 08 |
| 100/63 AV Ex eb IIC | GG-15 | - | 223 | 214 | - | - | M50 x 1.5 | Ø 35 mm | KM 8/6 | 6 | M6 | M6 | 08 |
| 200 A-SB Ex eb IIC | GG-15 | - | 335 | 270 | 200 | - | M50 x 1.5 | Ø 35 mm | KM 10/8 | 6 | LK | LK | 09 |
| 200 A-SB Ex eb IIC | GG-15 | - | 335 | 270 | 200 | - | M63 x 1.5 | Ø 45 mm | KM 10/8 | 6 | LK | LK | 09 |
| 400 A-SB Ex eb IIC | GG-15 | - | 415 | 340 | 265 | - | M63 x 1.5 | Ø 45 mm | KM 16/12 | 6 | LK | LK | 09 |
| 630 A Ex eb IIC | GG-15 | straight | 496 | 390 | 301 | 140 | M75 x 1.5 | Ø 45 mm | KLP 630-20 | 6 | LK | LK | 10G |
| 630 A Ex eb IIC | GG-15 | inclined | 496 | 390 | 301 | 140 | M75 x 1.5 | Ø 45 mm | KLP 630-20 | 6 | LK | LK | 10S |
| 1000 A Ex eb IIC | GG-15 | straight | 615 | 474 | 385 | 200 | M80 x 1.5 | Ø 68 mm | KLSO 1000 | 6 | StS | LK | 11G |
| 1000 A Ex eb IIC | GG-15 | inclined | 615 | 474 | 385 | 200 | M80 x 1.5 | Ø 68 mm | KLSO 1000 | 6 | StS | LK | 11S |

StS... Busbars
Lk... Terminal tabs

VEM Holding GmbH

Pirnaer Landstraße 176
01257 Dresden
Germany

Sales

Low voltage department

Tel. +49 3943 68-3127
Fax +49 3943 68-2440
E-mail: low-voltage@vem-group.com

High voltage department

Tel. +49 351 208-3237
Fax +49 351 208-1108
E-mail: high-voltage@vem-group.com

Drive systems department

Tel. +49 351 208-1180
Fax +49 351 208-1185
E-mail: drive-systems@vem-group.com

VEM Service

Tel. +49 351 208-3237
Fax +49 351 208-1108
E-mail: service@vem-group.com



For detailed information
please visit our website.

www.vem-group.com