CEDS DURADRIVE
Customised. Electric. Durable.

Modular concept:
for special motors & generators

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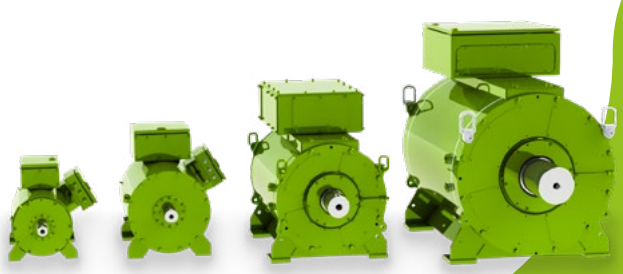
4 sizes, different lengths, 10+ features = **1.000+ possibilities.**

With our modular concept, you have all the possibilities!
You choose from various sizes, types, lengths and features and define your individual area of application. Based on these parameters, we develop and design the most efficient and economical special motor for you. Entirely according to your ideas and applications.

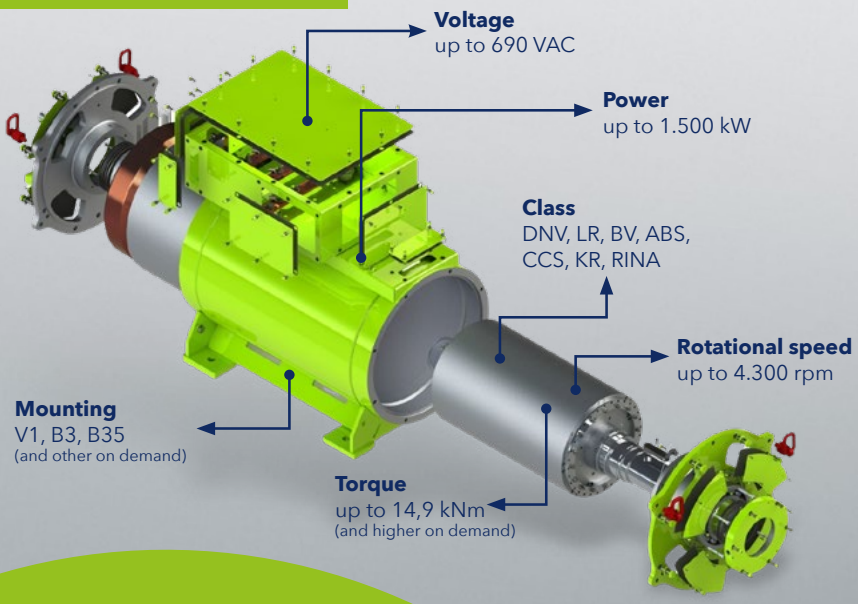
Typical areas of application:

- PTI/PTO systems
- Gen sets for diesel-electric hybrid applications
- Propulsion applications
- Thruster applications



Size
+
Type
+
Length
+
Features
=
Individual machine

Technical Overview



Your advantages at a glance

- Compact design (more power with the same size)
- Long-life motors and generators
- High efficiency = customised winding
- Low emissions
- Low noise and vibration
- Customised through individual features

Included features

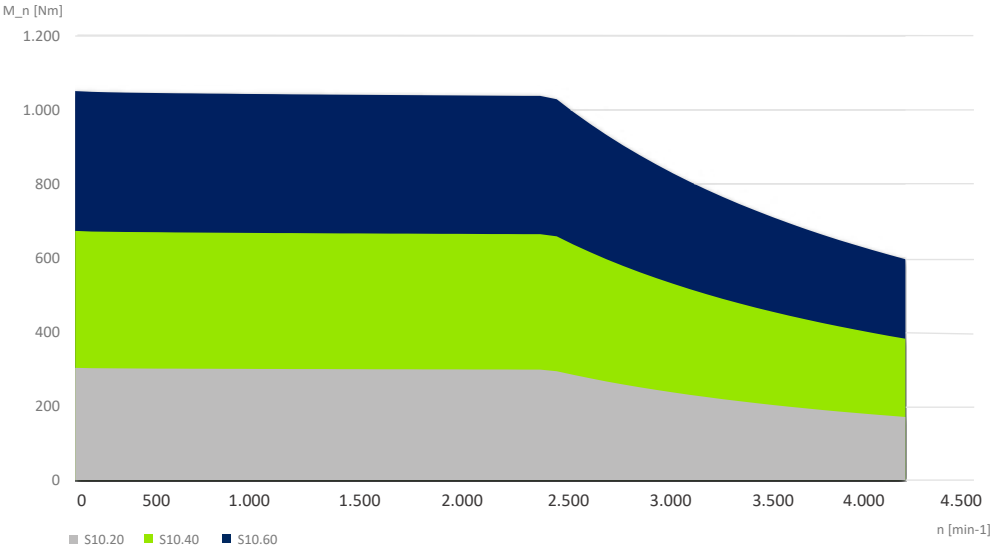
- Watercooled
- PM machine
- Multible mounting possibilities
- Leakage sensor
- IP 55
- Heating tape

Additional features

- Encoder or resolver
- Cable entry
  (cable glands or Roxtec seal)
- Shaft grounding brush
- SAE flange / B35
- Wingmounting
- Spline shaft (DIN EN ISO 5480)
- 2 winding systems
- Higher IP classes

Size 10

Machine Characteristics



General Information

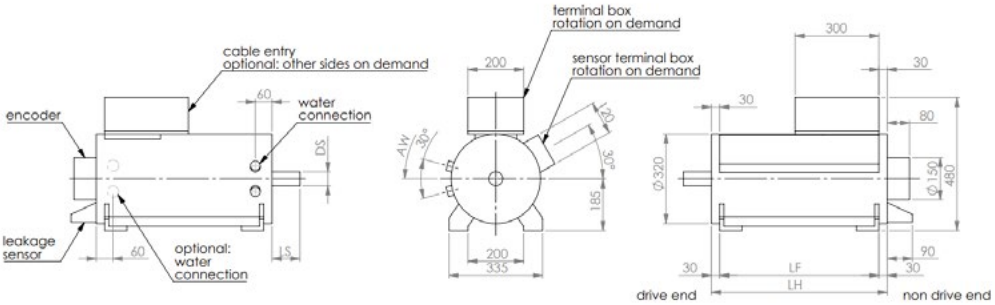
Electric

Number of poles	8
Duty type (IEC 60034-1)	S1
Insulation class (IEC 60034-1)	H (+180°C)
Temperature rise (IEC 60034-1)	F (+155°C)
Temperature monitoring	12x PT100 (in windings) 2x PT 100 (for each bearing)

Mechanical

Machine type	Permanent magnet machine
Frame material	Steel
Protection class	IP55
Machine coating	Green RAL D2 120 70 75
Cooling liquid corrosive inhibitor type	Water glycol 30%
Cooling method (IEC 60034-6)	IC 71 W
Ambient temperature	0 up to +45°C

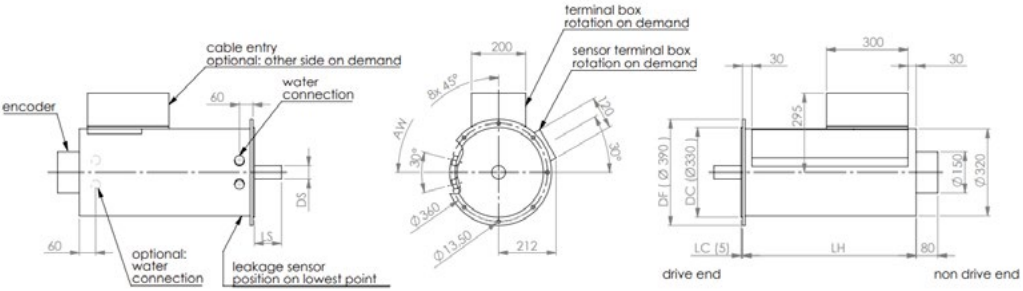
Size 10.B3



Housing type	D	LS	LH	LF	AW
S.10.20.B3	according to customer specifications		430 mm	370 mm	360° rotation
S.10.40.B3	according to customer specifications		630 mm	570 mm	360° rotation
S.10.60.B3	according to customer specifications		830 mm	770 mm	360° rotation

Measurement in mm, deviations are possible.

Size 10.V1

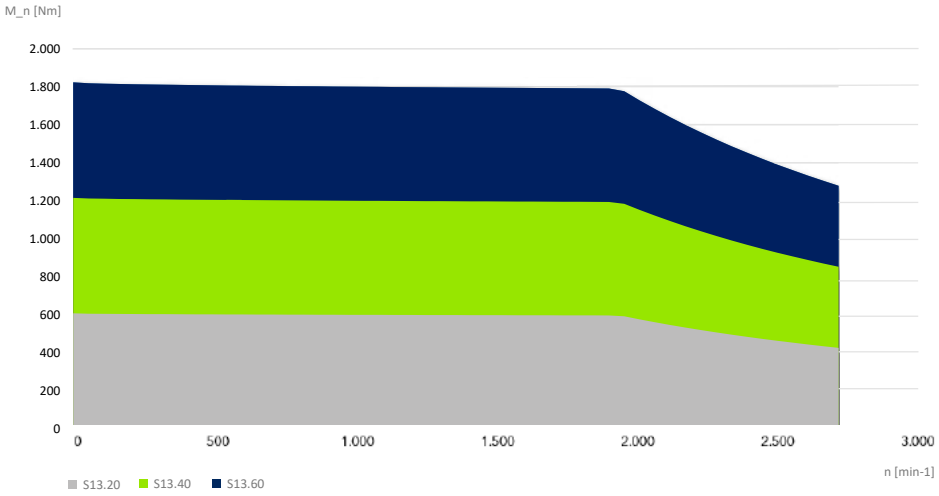


Housing type	D	LS	LH	DF	DC	LC	AW
S.10.20.V1	according to customer specifications		430 mm	according to customer specifications			360° rotation
S.10.40.B3	according to customer specifications		630 mm	according to customer specifications			360° rotation
S.10.60.B3	according to customer specifications		830 mm	according to customer specifications			360° rotation

Measurement in mm, deviations are possible.

Size 13

Machine Characteristics



General Information

Electric

Number of poles	8
Duty type (IEC 60034-1)	S1
Insulation class (IEC 60034-1)	H (+180°C)
Temperature rise (IEC 60034-1)	F (+155°C)
Temperature monitoring	12x PT100 (in windings) 2x PT 100 (for each bearing)

Mechanical

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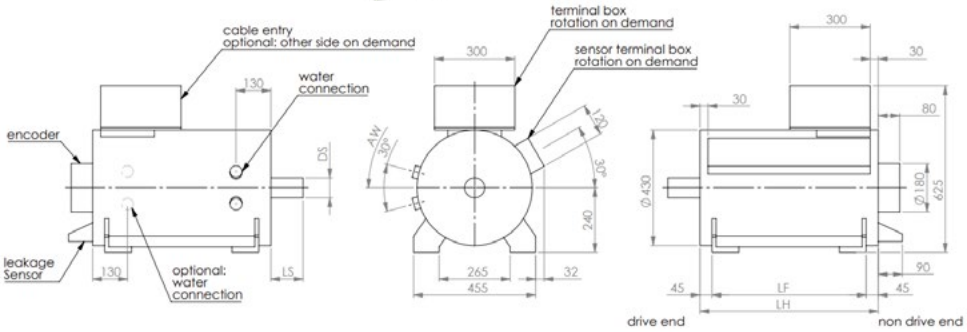
Frame material	Steel
Protection class	IP55
Machine coating	Green RAL D2 120 70 75
Cooling liquid corrosive inhibitor type	Water glycol 30%
Cooling method (IEC 60034-6)	IC 71 W
Ambient temperature	0 up to +45°C

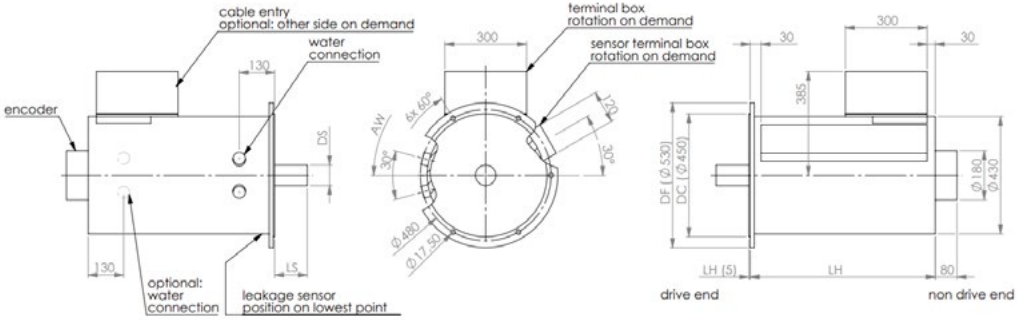
Size 13.B3



Housing type	D	LS	LH	LF	AW
S.13.20.B3	according to customer specifications		465 mm	375 mm	360° rotation
S.13.40.B3	according to customer specifications		665 mm	575 mm	360° rotation
S.13.60.B3	according to customer specifications		865 mm	775 mm	360° rotation

Measurement in mm, deviations are possible.

Size 13.V1

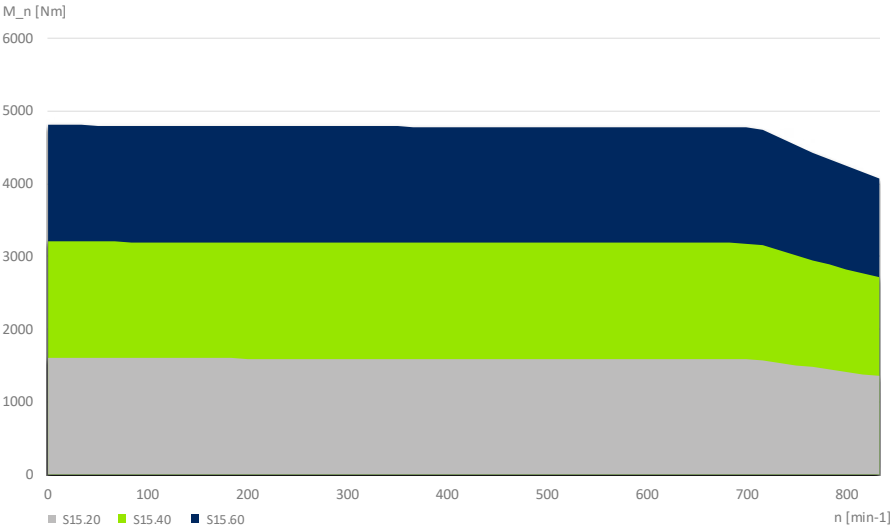


Housing type	D	LS	LH	DF	DC	LC	AW
S.13.20.V1	according to customer specifications		465 mm	according to customer specifications			360° rotation
S.13.40.V1	according to customer specifications		665 mm	according to customer specifications			360° rotation
S.13.60.V1	according to customer specifications		865 mm	according to customer specifications			360° rotation

Measurement in mm, deviations are possible.

Size 15-T

Machine Characteristics



General Information

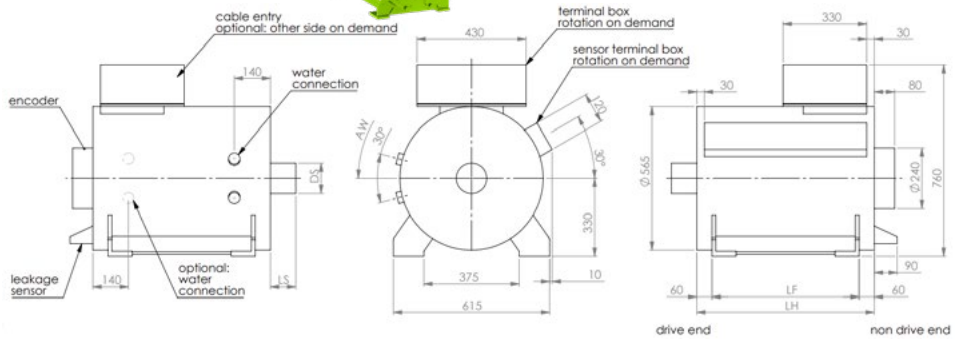
Electric

Number of poles	12
Duty type (IEC 60034-1)	S1
Insulation class (IEC 60034-1)	H (+180°C)
Temperature rise (IEC 60034-1)	F (+155°C)
Temperature monitoring	12x PT100 (in windings) 2x PT 100 (for each bearing)

Mechanical

Machine type	Permanent magnet machine
Frame material	Steel
Protection class	IP55
Machine coating	Green RAL D2 120 70 75
Cooling liquid corrosive inhibitor type	Water glycol 30%
Cooling method (IEC 60034-6)	IC 71 W
Ambient temperature	0 up to +45°C

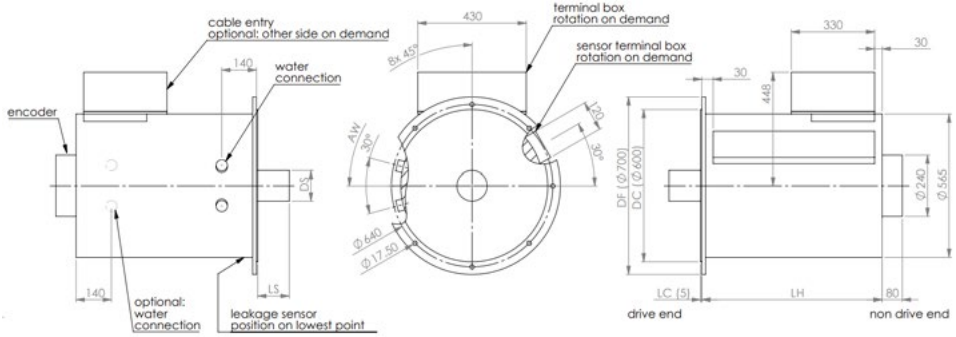
Size 15.B3



Housing type	D	LS	LH	LF	AW
T.15.20.B3	according to customer specifications		530 mm	380 mm	360° rotation
T.15.40.B3	according to customer specifications		730 mm	580 mm	360° rotation
T.15.60.B3	according to customer specifications		930 mm	780 mm	360° rotation

Measurement in mm, deviations are possible.

Size 15.V1

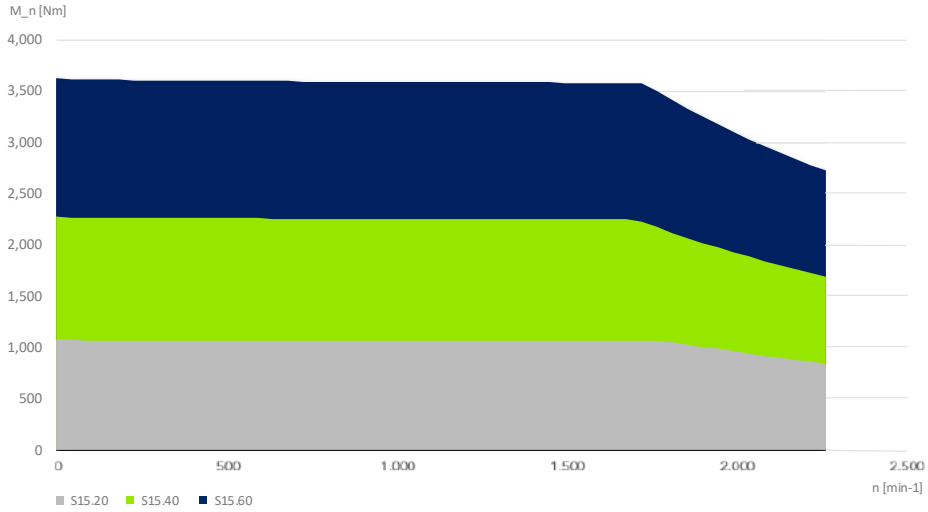


Housing type	D	LS	LH	DF	DC	LC	AW
T.15.20.V1	according to customer specifications		530 mm	according to customer specifications			360° rotation
T.15.40.V1	according to customer specifications		730 mm	according to customer specifications			360° rotation
T.15.60.V1	according to customer specifications		930 mm	according to customer specifications			360° rotation

Measurement in mm, deviations are possible.

Size 15-S

Machine Characteristics



General Information

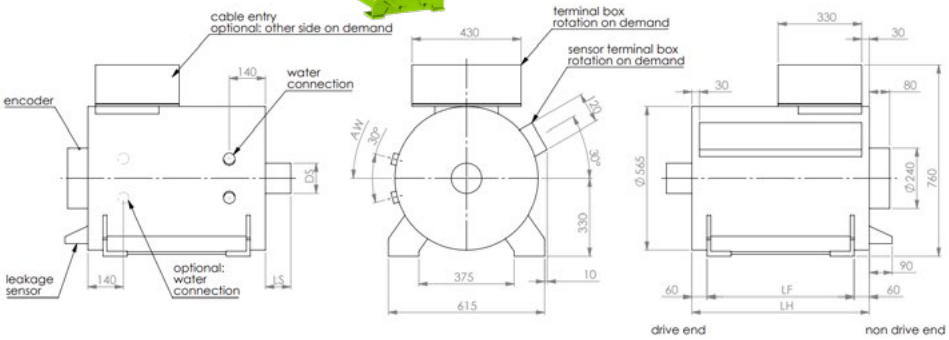
Electric

Number of poles	8
Duty type (IEC 60034-1)	S1
Insulation class (IEC 60034-1)	H (+180°C)
Temperature rise (IEC 60034-1)	F (+155°C)
Temperature monitoring	12x PT100 (in windings) 2x PT 100 (for each bearing)

Mechanical

Machine type	Permanent magnet machine
Frame material	Steel
Protection class	IP55
Machine coating	Green RAL D2 120 70 75
Cooling liquid corrosive inhibitor type	Water glycol 30%
Cooling method (IEC 60034-6)	IC 71 W
Ambient temperature	0 up to +45°C

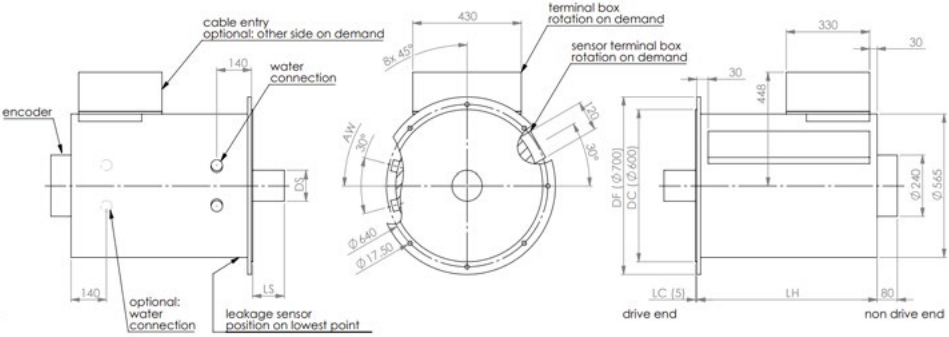
Size 15.B3



Housing type	D	LS	LH	LF	AW
S.15.20.B3	according to customer specifications		530 mm	380 mm	360° rotation
S.15.40.B3	according to customer specifications		730 mm	580 mm	360° rotation
S.15.60.B3	according to customer specifications		930 mm	780 mm	360° rotation

Measurement in mm, deviations are possible.

Size 15.V1

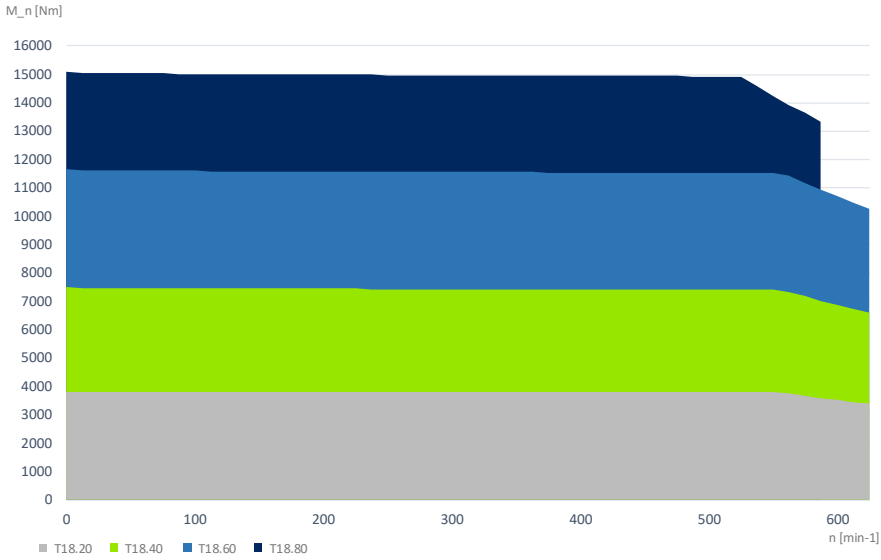


Housing type	D	LS	LH	DF	DC	LC	AW
S.15.20.V1	according to customer specifications		530 mm	according to customer specifications			360° rotation
S.15.40.V1	according to customer specifications		730 mm	according to customer specifications			360° rotation
S.15.60.V1	according to customer specifications		930 mm	according to customer specifications			360° rotation

Measurement in mm, deviations are possible.

Size 18-T

Machine Characteristics



General Information

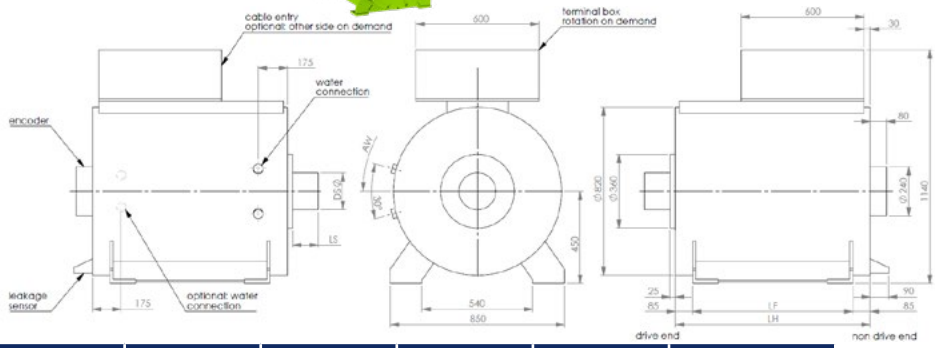
Electric

Number of poles	16
Duty type (IEC 60034-1)	S1
Insulation class (IEC 60034-1)	H (+180°C)
Temperature rise (IEC 60034-1)	F (+155°C)
Temperature monitoring	12x PT100 (in windings) 2x PT 100 (for each bearing)

Mechanical

Machine type	Permanent magnet machine
Frame material	Steel
Protection class	IP55
Machine coating	Green RAL D2 120 70 75
Cooling liquid corrosive inhibitor type	Water glycol 30%
Cooling method (IEC 60034-6)	IC 71 W
Ambient temperature	0 up to +45°C

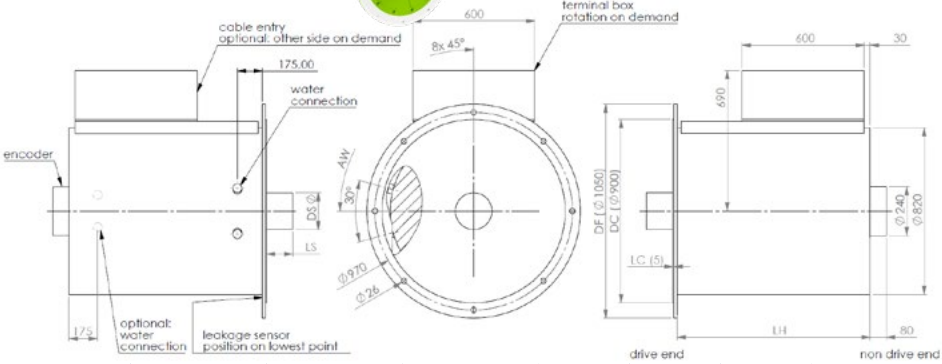
Size 18.B3



Housing type	D	LS	LH	LF	AW
T.18.20.B3	according to customer specifications		550 mm	380 mm	360° rotation
T.18.40.B3	according to customer specifications		750 mm	580 mm	360° rotation
T.18.60.B3	according to customer specifications		950 mm	780 mm	360° rotation
T.18.80.B3	according to customer specifications		1150 mm	980 mm	360° rotation

Measurement in mm, deviations are possible.

Size 18.V1

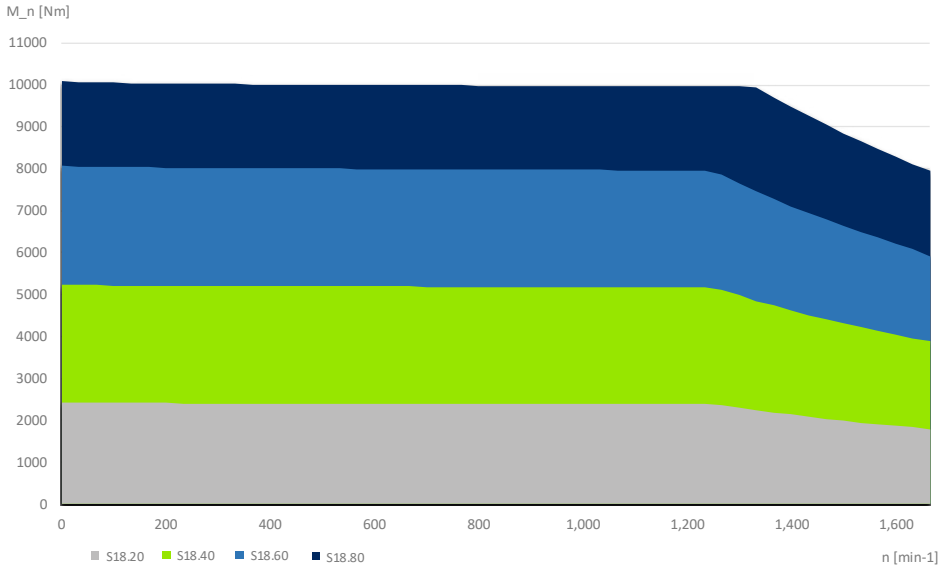


Housing type	D	LS	LH	DF	DC	LC	AW
T.18.20.V1	according to customer specifications		550 mm	according to customer specifications			360° rotation
T.18.40.V1	according to customer specifications		750 mm	according to customer specifications			360° rotation
T.18.60.V1	according to customer specifications		950 mm	according to customer specifications			360° rotation
T.18.80.V1	according to customer specifications		1150 mm	according to customer specifications			360° rotation

Measurement in mm, deviations are possible.

Size 18-S

Machine Characteristics



General Information

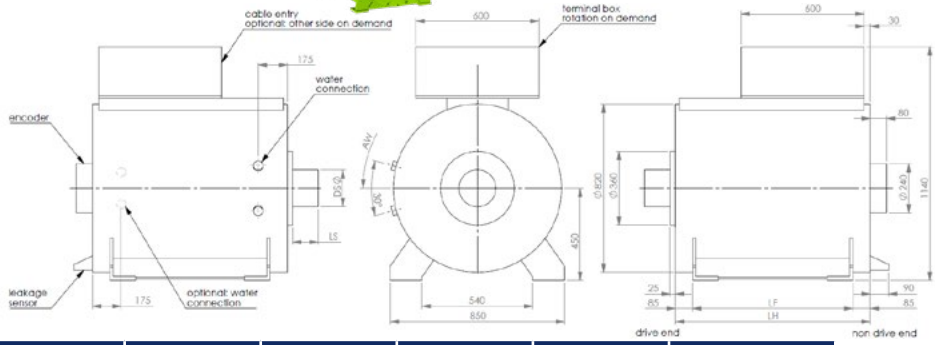
Electric

Number of poles	12
Duty type (IEC 60034-1)	S1
Insulation class (IEC 60034-1)	H (+180°C)
Temperature rise (IEC 60034-1)	F (+155°C)
Temperature monitoring	12x PT100 (in windings) 2x PT 100 (for each bearing)

Mechanical

Machine type	Permanent magnet machine
Frame material	Steel
Protection class	IP55
Machine coating	Green RAL D2 120 70 75
Cooling liquid corrosive inhibitor type	Water glycol 30%
Cooling method (IEC 60034-6)	IC 71 W
Ambient temperature	0 up to +45°C

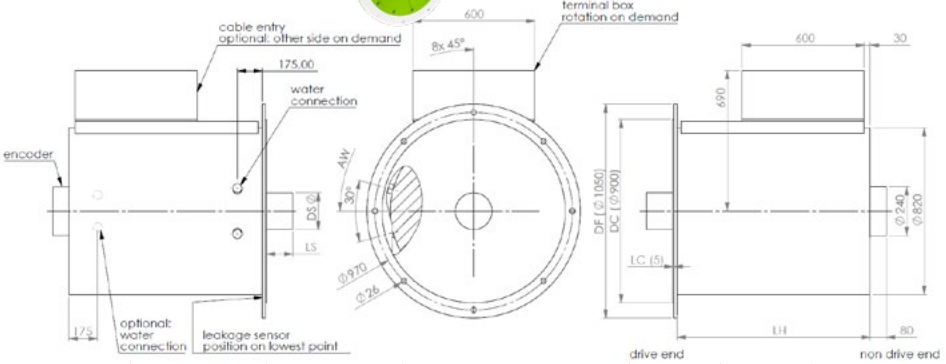
Size 18.B3



Housing type	D	LS	LH	LF	AW
S.18.20.B3	according to customer specifications		550 mm	380 mm	360° rotation
S.18.40.B3	according to customer specifications		750 mm	580 mm	360° rotation
S.18.60.B3	according to customer specifications		950 mm	780 mm	360° rotation
S.18.80.B3	according to customer specifications		1150 mm	980 mm	360° rotation

Measurement in mm, deviations are possible.

Size 18.V1

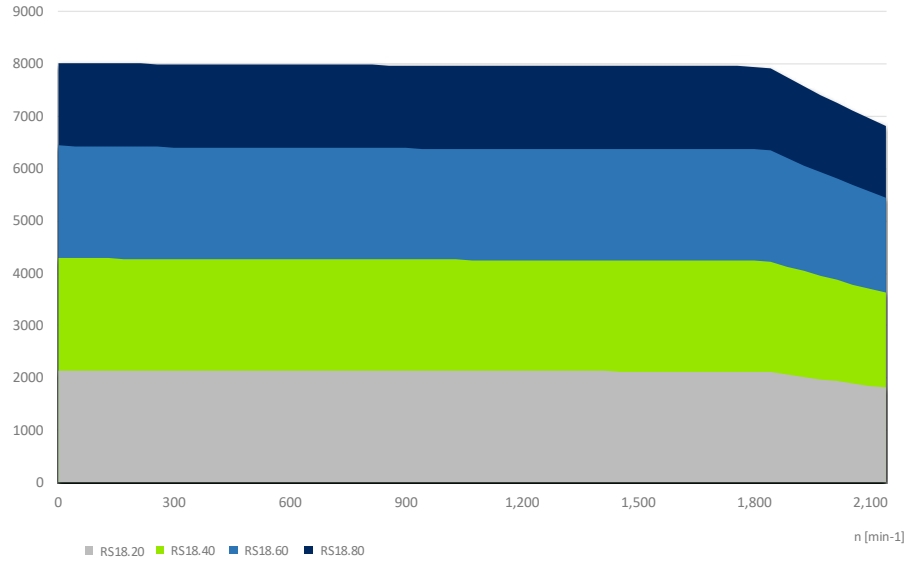


Housing type	D	LS	LH	DF	DC	LC	AW
S.18.20.V1	according to customer specifications		550 mm	according to customer specifications			360° rotation
S.18.40.V1	according to customer specifications		750 mm	according to customer specifications			360° rotation
S.18.60.V1	according to customer specifications		950 mm	according to customer specifications			360° rotation
S.18.80.V1	according to customer specifications		1150 mm	according to customer specifications			360° rotation

Measurement in mm, deviations are possible.

Size 18-RS

Machine Characteristics



General Information

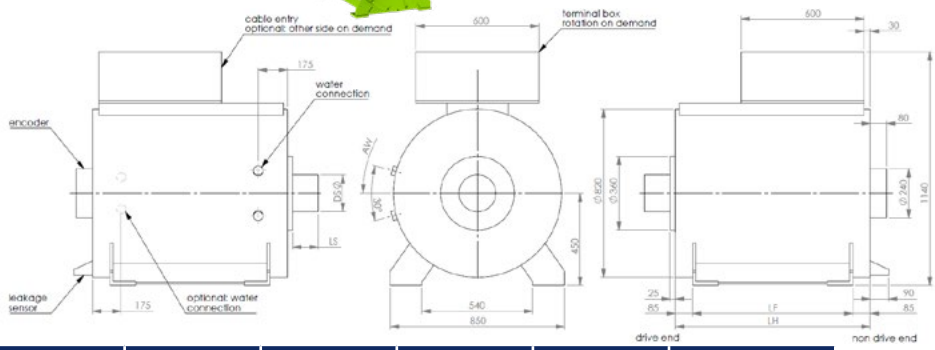
Electric

Number of poles	8
Duty type (IEC 60034-1)	S1
Insulation class (IEC 60034-1)	H (+180°C)
Temperature rise (IEC 60034-1)	F (+155°C)
Temperature monitoring	12x PT100 (in windings) 2x PT 100 (for each bearing)

Mechanical

Machine type	Permanent magnet machine
Frame material	Steel
Protection class	IP55
Machine coating	Green RAL D2 120 70 75
Cooling liquid corrosive inhibitor type	Water glycol 30%
Cooling method (IEC 60034-6)	IC 71 W
Ambient temperature	0 up to +45°C

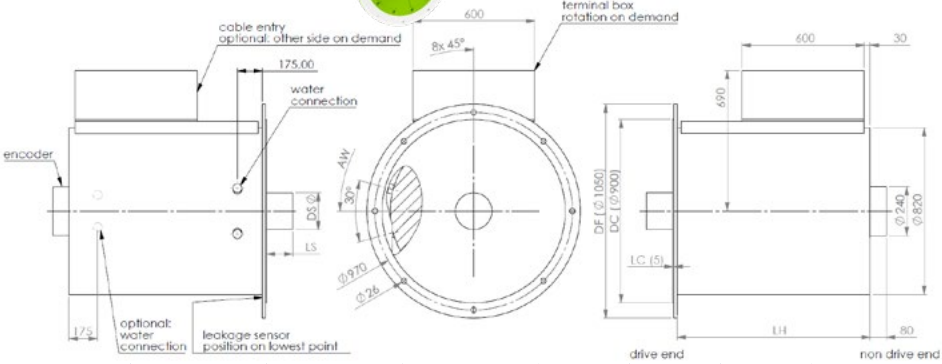
Size 18.B3



Housing type	D	LS	LH	LF	AW
RS.18.20.B3	according to customer specifications		550 mm	380 mm	360° rotation
RS.18.40.B3	according to customer specifications		750 mm	580 mm	360° rotation
RS.18.60.B3	according to customer specifications		950 mm	780 mm	360° rotation
RS.18.80.B3	according to customer specifications		1150 mm	980 mm	360° rotation

Measurement in mm, deviations are possible.

Size 18.V1



Housing type	D	LS	LH	DF	DC	LC	AW
RS.18.20.V1	according to customer specifications		550 mm	according to customer specifications			360° rotation
RS.18.40.V1	according to customer specifications		750 mm	according to customer specifications			360° rotation
RS.18.60.V1	according to customer specifications		950 mm	according to customer specifications			360° rotation
RS.18.80.V1	according to customer specifications		1150 mm	according to customer specifications			360° rotation

Measurement in mm, deviations are possible.

CEDS DURADRIVE
Customised. Electric. Durable.

Made in Germany. Made in Salzbergen.

CEDS DURADRIVE GmbH, based in Salzbergen, Germany, is an internationally recognized provider of innovative and individual drive solutions.

CEDS DURADRIVE GmbH, founded in 1970 as SSB Antriebstechnik, has over 50 years of experience in developing and manufacturing robust, customized electric machines for full electric and hybrid solutions. Based in Salzbergen, Germany, we stand for engineering excellence and long-lasting quality "Made in Germany. Made in Salzbergen." Our production capabilities range from single units to small series of up to 1,000 pieces, offering exceptional flexibility and cost-efficiency. This allows us to respond quickly to individual customer requirements while maintaining a strong price-performance ratio.

CEDS DURADRIVE is recognized for its commitment to sustainability, reliability, and innovation. With all core processes under one roof – from design to final assembly – we deliver tailored drive solutions that meet the highest standards of performance and precision.

CEDS DURADRIVE is certified according to the quality standards of ISO 9001:2015 and EN 9100:2018.

Experience from our other industries

Lifting | **Machine tools** | **Maritime** | **Traffic** | **Renewable Energy**

Notes:

CEDS DURADRIVE
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