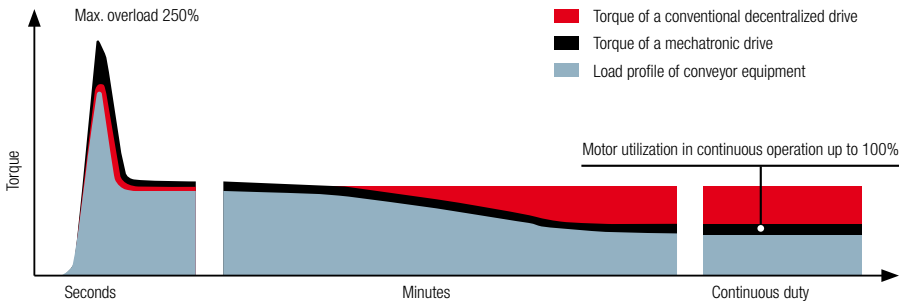
DRC.. electronic motor

Compact design and flexible gear unit interface

– Permanent magnet synchronous motor with integrated electronics in housing with no fan
– Complete mechatronic drive system in conjunction with SEW-EURODRIVE's full modular gear unit system as option
– With mechanical holding brake as option

DRC.. sizes

– DRC..1: Nominal torque 2.6 Nm; nominal power 0.55 kW
– DRC..2: Nominal torque 7.2 Nm; nominal power 1.5 kW
– DRC..3: Nominal torque 14.3 Nm; nominal power 3.0 kW
– DRC..4: Nominal torque 19.1 Nm; nominal power 4.0 kW

Designs	– Stand-alone motor with IEC flange – Gearmotor with helical gear unit R, parallel-shaft helical gear unit F, helical-bevel gear unit K or SPIROPLAN® right-angle gear unit W
Speed setting range and positioning performance	– Standard control range 1:2000 - Single-turn encoder /ECR - Multi-turn absolute encoder /ACR
Overload capacity	– Up to 250% – Prevents oversizing in static operation – Reduces installed size of necessary supply infrastructure – Integrated overload protection device 
Installation topologies	– Binary or AS-Interface for easy drive functions – SBus for applications with higher performance requirements – SNI – just one cable for power supply and communication - Local CSW maintenance switch - SNI I/O system CIO for decentralized processing of parameterizable inputs and outputs
Application options	Reading and processing of sensor signals decentralized and close to drive via GIO12B and GIO13B application options
Brake option	– BY1C for DRC..1 – BY2C for DRC..2 – BY4C for DRC..3/4
Functional safety	– Integrated STO (Safe Torque Off) safety function according to IEC 61800-5-2 – Performance level e according to EN ISO 13849-1

The global motor

Certifications / conformity	CE (Europe) / UL-approved (USA and Canada) / UkrSEPRO (Ukraine) / EAC (Russia, Belarus, Kazakhstan)
Connection voltage	380 V – 500 V at 50/60 Hz

Energy-saving potential

Motor efficiency according to IEC 60034	– Corresponds to efficiency class IE4 (Super Premium Efficiency) according to IEC 60034 – Energy-saving potential of up to 50%
Drive system efficiency according to EN 50598-2 (Power Drive System)	Surpasses the highest defined energy efficiency class IES2 according to EN 50598-2

Dimensions and weight*

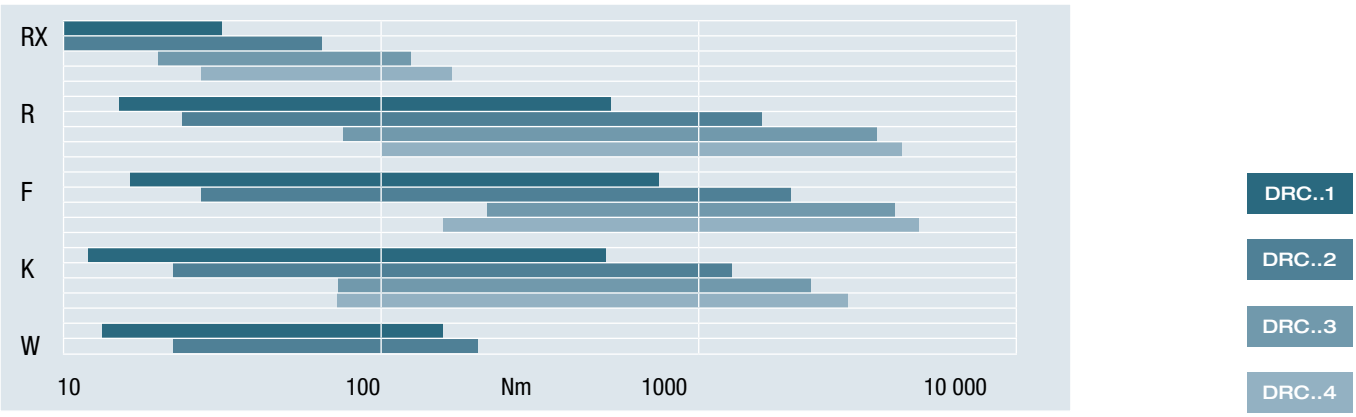
DRC..1	**DRC..2**	**DRC..3/4**
		
13 kg	18 kg	36 kg (DRC..3) / 40 kg (DRC..4)

* Weight with brake

Design for special ambient conditions

Surface protection	Optional protective measure for particular ambient conditions (OS 1 – 4)
Degree of protection	IP65 and IP66

Gear unit combinations



2353 3250 / 0918

SEW-EURODRIVE GmbH & Co KG · Ernst-Blickle-Str. 42 · 76646 Bruchsal · Tel. +49 7251 75-0 · Fax +49 7251 75-1970 · movigear.drc@sew-eurodrive.com
➟ www.sew-eurodrive.com