

**From 0.09 to 200 kW in IE3**

**NEW:** DRN.. AC motors < 0.75



## The complete modular motor system in IE3, from 0.09 to 200 kW

New energy-saving provisions are in force and more are planned that will also affect asynchronous motors with nominal power ratings lower than 0.75 kW. Even without a specific date for when the regulations will go into effect, you can invest today in future-proof, secure purchases with SEW-EURODRIVE: the DRN.. series motors in the power range of 0.09 to 0.55 kW in the IE3 energy efficiency class.

It is precisely where systems must run continuously that energy-efficient motors provide demonstrable advantages when it comes to energy consumption. And with respect to switching operation as well, it definitely makes sense to compare and contrast motors in IE1 with those in IE3. Furthermore, the < 0.75 kW DRN.. motors also offer the same scope of accessories and options as the “larger” sizes. A new, smaller mechanical gear unit interface enhances the gearmotor modular system's flexibility and combinations.

Furthermore, a maintenance-free BE03 brake, optionally with functional safety, and the new built-in encoder EI7C is length-neutral.

The new IE3 motors are also available with an IP54 degree of protection and the option of IP55 to IP66.

Fields of application:

- Conveyor belts/roller conveyors
- Small risers or lifts
- Pumps
- Trolleys

If you should still decide on asynchronous motors in the < 0.75 kW motor power range in the IE1 energy efficiency class, we recommend the DR2S.. motors, which are also new.



**The complete IE3 range from SEW-EURODRIVE in one modular motor system: AC motors from the DRN.. series, from 0.09 to 200 kW, including a comprehensive range of accessories and options such as built-in encoders and brakes.**



## DR.. modular motor system – technical data for line operation

Sizes	DR..63 to DR..315
Number of poles	2, 4, 6, 8, 4/2, 8/2, 8/4
Frequency Hz	50, 60
Rated power kW	0.09 – 200/225
Energy efficiency class: series	IE1: DRS.., DR2S.. IE2: DRE.. IE3: DRN.. IE4: DR...J (LSPM technology), DRL..
Duty types	Continuous duty and intermittent duty
Suitable for inverter operation	Yes
Available as brakemotor	Yes

## **NEW:** DR2S.. and DRN.. motors 0.09 – 0.55 kW

IE class	Number of poles	Motor type	With frequency 50 / 60 / 50/60 Hz	
			Power kW	Power hp
IE 1	2	DR2S.. size 63 – 80	0.18 – 1.5	0.25 – 2.0
	4		0.12 – 1.1	0.16 – 1.5
	6		0.09 – 0.55	0.12 – 0.75
IE 3	2	DRN.. size 63 – 71	0.18 – 0.55	0.25 – 0.75
	4	DRN.. size 63 – 80	0.12 – 0.55	0.16 – 0.75
	6	DRN.. size 63 – 90	0.09 – 0.55	0.12 – 0.75
	8	DRN.. size 71 – 80	0.09 – 0.25	0.12 – 0.33

The new IE3 motors naturally comply with all major global design specifications and standards such as IEC 60034, NEMA MG1, UL 1004-1, CSA C22.2-100, ABNT 17094-1 and GB 12350 (CCC). They already meet the upcoming energy-saving regulations, whether it's those for Europe, India, Brazil, the USA, Canada, China or other countries.

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