

Future changes

Marking	10		11	18	20	22
Country/region	Eurasian Economic Union (Armenia, Belarus, Kazakhstan, Kyrgyz Republic, Russia) EAC		European Economic Area CE	Switzerland CE	Turkey CE	United Kingdom UK CA
Date	Sep 1, 2024	Sep 1, 2026	Jul 1, 2023	Jul 1, 2023	Jul 1, 2023	Jul 1, 2023
Number of poles	2, 4, 6	2, 4, 6	2, 4, 6	2, 4, 6	2, 4, 6	2, 4, 6
Power class kW	7.5 – 375	0.75 – 375	75 – 200	75 – 200	75 – 200	75 – 200
Minimum efficiency class	IE3 – Premium Efficiency	IE3 – Premium Efficiency	IE4 – Super Premium Efficiency	IE4 – Super Premium Efficiency	IE4 – Super Premium Efficiency	IE4 – Super Premium Efficiency
	Inverter-operated line motors: IE2 – High Efficiency	Inverter-operated line motors: IE2 – High Efficiency				

WORLDWIDE EFFICIENCY REQUIREMENTS

SEW-EURODRIVE

2021/2022

AC asynchronous motors

24h service hotline

0800 SEWHELP

0800 7394357

**SEW
EURODRIVE**

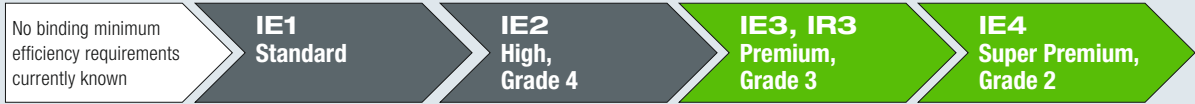
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Tel. 07251 75-0
Fax 07251 75-1970
sew@sew-eurodrive.com

→ www.sew-eurodrive.com



AC asynchronous motors from SEW-EURODRIVE comply with all the statutory efficiency requirements worldwide

Recommended asynchronous motors		
Motor type	Power rating	Energy efficiency class
DRS., DR2S..	0.09 – 225 kW	IE1
DRN., EDRN..	0.09 – 375 kW	IE3
DRU..J	0.18 – 3 kW	IE4



We do not assume any liability for the content, completeness or up-to-dateness of the specifications. The information provided here refers exclusively to AC asynchronous motors designed for connection to the power supply grid and continuous duty. As at: September 2021

➔ **Direct link to SEW-EURODRIVE's energy efficiency tools:**
IE Guide, conversion guide and energy-saving calculator



ie-guide.com

For more information on the global motor and the possible approval combinations, please contact your sales representative.

Efficiency requirements																										
Marking	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Country/region	Argentina 	Australia/ New Zealand 	Brazil 	Canada 	Chile 	China 	Colombia 	Ecuador 	Egypt 	Eurasian Economic Union (Armenia, Belarus, Kazakhstan, Kyrgyz Republic, Russia)* 	European Economic Area* 	India 	Japan 	Mexico 	Saudi Arabia 	Singapore 	South Korea 	Switzerland* 	Taiwan 	Turkey* 	Ukraine 	United Kingdom* 	USA 			
Line frequency Hz	50	50	60	60	50	50	60	60	50	50	50	50	50/60 60	60	60	50	60	50	60	50	50	50	60			
Valid from	Mar 1, 2017	2006	Aug 1, 2019	Jun 28, 2017	Oct 1, 2011	Jun 1, 2021	Aug 31, 2021	Nov 23, 2018	May 1, 2022	Sep 1, 2022	Jul 1, 2021	Aug 4, 2018	Apr 1, 2015	Jan 13, 2017	Aug 16, 2018	Oct 1, 2018	Oct 1, 2018	Jul 1, 2021	Jul 1, 2016	Jul 1, 2021	Sep 15, 2021	Jul 1, 2021	Jun 1, 2016			
Number of poles	2, 4, 6	2, 4, 6, 8	2, 4, 6, 8	2, 4 6 8	2, 4, 6	2, 4, 6, 8	2, 4, 6, 8	2, 4, 6, 8	2, 4, 6, 8	2, 4, 6	2, 4, 6, 8	2, 4, 6, 8	2, 4, 6	2, 4, 6, 8	2, 4, 6, 8	2, 4, 6	2, 4, 6, 8	2, 4, 6, 8	2, 4, 6, 8	2, 4, 6	2, 4, 6, 8	2, 4 6 8				
Power class kW	0.75 – 30	0.73 – 185	0.12 – 370	0.75 – 375 0.75 – 260 0.75 – 185	0.75 – 7.5	0.12 – 1000	0.75 – 373	0.76 – 373	0.75 – 1000	0.75 – 375	0.12 – 0.74 0.75 – 1000	0.12 – 1000	0.75 – 375	0.75 – 375	0.75 – 375	0.75 – 375	0.75 – 375	0.12 – 0.74 0.75 – 1000	0.75 – 200	0.12 – 0.74 0.75 – 1000	0.75 – 375	0.12 – 0.74 0.75 – 1000	0.75 – 375 0.75 – 260 0.75 – 185			
Minimum efficiency class	Specification of labels IE0 to IE3	IE2 – High Efficiency	IR3 (≈ IE3) – Premium Efficiency	NEMA Premium (≈ IE3)	IE1 – Standard Efficiency	Grade 3 (≈ IE3)	IE3 – Premium Efficiency Inverter- operated line motors: IE2 – High Efficiency	IE2 – High Efficiency	IE3 – Premium Efficiency	IE2 – High Efficiency	IE2 – High Efficiency	IE3 – Premium Efficiency	IE2 – High Efficiency	IE3 – Premium Efficiency	NEMA Premium (≈ IE3)	IE3 – Premium Efficiency	IE3 – Premium Efficiency	IE3 – Premium Efficiency	IE3 – Premium Efficiency	IE3 – Premium Efficiency	IE2 – High Efficiency	IE3 – Premium Efficiency	IE3 – Premium Efficiency Inverter- operated line motors: IE2 – High Efficiency	IE2 – High Efficiency	IE3 – Premium Efficiency	NEMA Premium (≈ IE3)

* Changes, see back