

New in 2021

Marking	6	7	9	16	20	21	22			
Country/region	China	Colombia	European Economic Area	Switzerland	Eurasian Economic Union (Armenia, Belarus, Kazakhstan, Kyrgyz Republic, Russia)	Ukraine	United Kingdom			
Date	Jun 1, 2021	Aug 31, 2021	Jul 1, 2021	Jul 1, 2021	Sep 1, 2021	Sep 15, 2021	Jul 1, 2021			
Number of poles	2, 4, 6, 8	2, 4, 6, 8	2, 4, 6, 8	2, 4, 6, 8	2, 4, 6	2, 4, 6	2, 4, 6, 8			
Performance class kW	0.12 – 1000	0.75 – 373	0.12 – 0.74	0.75 – 1000	0.12 – 0.74	0.75 – 1000	0.75 – 375	0.12 – 0.74	0.75 – 1000	
Minimum efficiency class	Grade 3 (≈ IE3)	IE3 – Premium Efficiency Inverter-operated line-powered motors: IE2 – High Efficiency	IE2 – High Efficiency	IE3 – Premium Efficiency	IE2 – High Efficiency	IE3 – Premium Efficiency	IE2 – High Efficiency	IE3 – Premium Efficiency	IE2 – High Efficiency	IE3 – Premium Efficiency

Future changes

Country/region	Eurasian Economic Union (Armenia, Belarus, Kazakhstan, Kyrgyz Republic, Russia)	European Economic Area	Switzerland	United Kingdom	
Date	Sep 1, 2023	Sep 1, 2025	Jul 1, 2023	Jul 1, 2023	
Number of poles	2, 4, 6	2, 4, 6	2, 4, 6	2, 4, 6	
Performance class kW	7.5 – 375	0.75 – 375	75 – 200	75 – 200	
Minimum efficiency class	IE3 – Premium Efficiency Inverter-operated line-powered motors: IE2 – High Efficiency	IE3 – Premium Efficiency Inverter-operated line-powered motors: IE2 – High Efficiency	IE4 – Super Premium Efficiency	IE4 – Super Premium Efficiency	IE4 – Super Premium Efficiency

WORLDWIDE EFFICIENCY REQUIREMENTS

SEW-EURODRIVE

2021+

AC asynchronous motors

24h Service Hotline

0800 SEWHELP

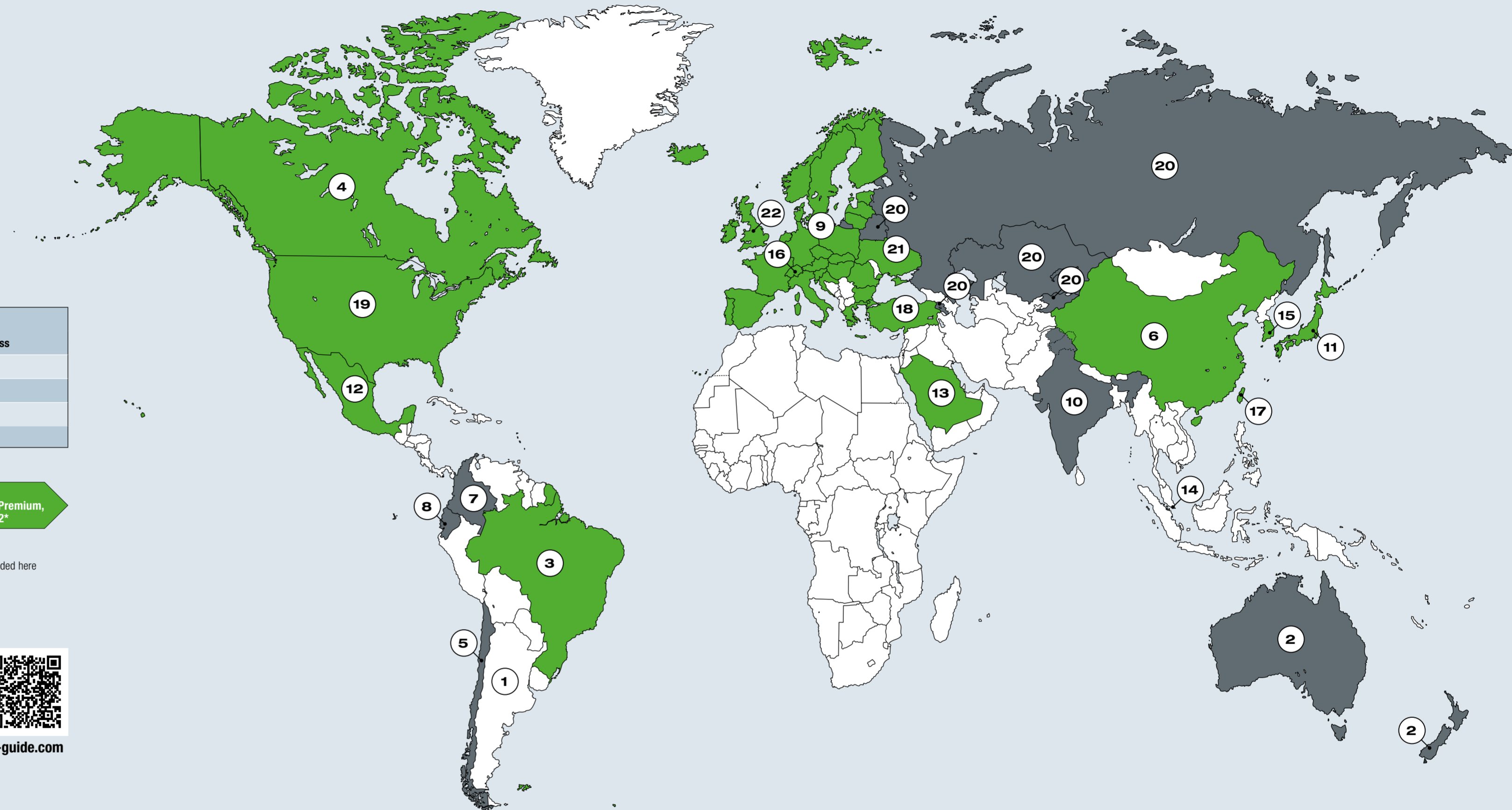
0800 7394357

SEW
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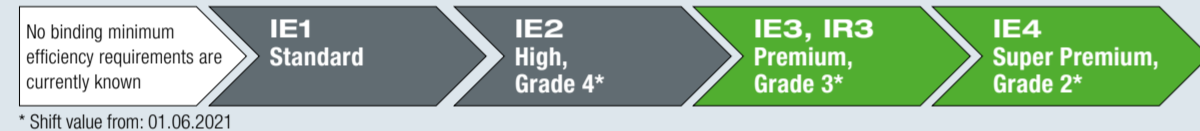
→ www.sew-eurodrive.com

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 topicality of the specifications. The specifications provided here apply exclusively to AC asynchronous motors designed for connection to the power grid (line) and for continuous duty. As at: December 2020

➔ **Direct link to the energy efficiency tools from SEW-EURODRIVE: IE Guide, conversion aid and energy saving calculator**



ie-guide.com

For more information about the global motor and possible approval combinations, please consult your sales contact person.

Efficiency requirements

Marking	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Country/region	Argentina 	Australia/ New Zealand	Brazil 	Canada 	Chile 	China* 	Colombia* 	Ecuador	European Economic Area* 	India 	Japan	Mexico 	Saudi Arabia	Singapore	South Korea 	Switzerland* 	Taiwan	Turkey 	USA 	
Line frequency Hz	50	50	60	60	50	50	60	60	50	50	50/60 60	60	60	50	60	50	60	50	60	
Valid from	Mar 1, 2017	Jul 10, 2019	Aug 1, 2019	Jun 28, 2017	Jan 10, 2011	Oct 1, 2016	Aug 31, 2018	Nov 23, 2018	Jan 1, 2017	Aug 4, 2018	Apr 1, 2015	Dec 19, 2010	Aug 16, 2018	Oct 1, 2018	Oct 1, 2018	Jan 1, 2017	Jul 1, 2016	Jan 1, 2017	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	2, 4, 6, 8	2, 4, 6, 8	2, 4, 6	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	2, 4, 6, 8	2, 4, 6	2, 4, 6, 8	
Performance class kW	0.75 – 30	0.73 – 185	0.12 – 370	0.75 - 0.75 - 0.75 - 375 - 260 - 185	0.75 – 375	0.75 – 375	0.18 – 373	0.76 – 373	0.75 – 375	0.12 – 1000	0.75 – 375	0.75 – 375	0.75 – 375	0.75 – 375	0.75 – 375	0.75 – 375	0.75 – 200	0.75 – 375	0.75 - 0.75 - 0.75 - 375 - 260 - 185	
Minimum efficiency class	Specification Label IE0 to IE3	IE2	IR3 (≈ IE3) – Premium Efficiency	NEMA Premium (≈ IE3)	IE1 – Standard Efficiency	Grade 3 (≈ IE2)	IE3 – Premium Efficiency Inverter-operated line-powered motors: IE2 – High Efficiency	IE2 – High Efficiency	IE3 – Premium Efficiency Inverter-operated line-powered motors: IE2 – High 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	IE3 – Premium Efficiency	IE3 – Premium Efficiency Inverter-operated line-powered motors: IE2 – High Efficiency	NEMA Premium (≈ IE3)

* See reverse for changes