1. Nameplate

Valid Types: ACA, FCA, FCPA, ACM, FCM, FCMP, ACR, ACL, FCPR, FCPL, ACY, FCY, FCPY, AMY, FMY, FYMP, AYR, AYL, FYMR, FYML, AGS, FGS, FGSP, AWM, FWM, FWMP, AWL, AWR, FWMR, FWML, ABA, FBA, FBPA, ABS, FBS, FBSP

Expiring version until 2023 (transition phase possible until 2024)

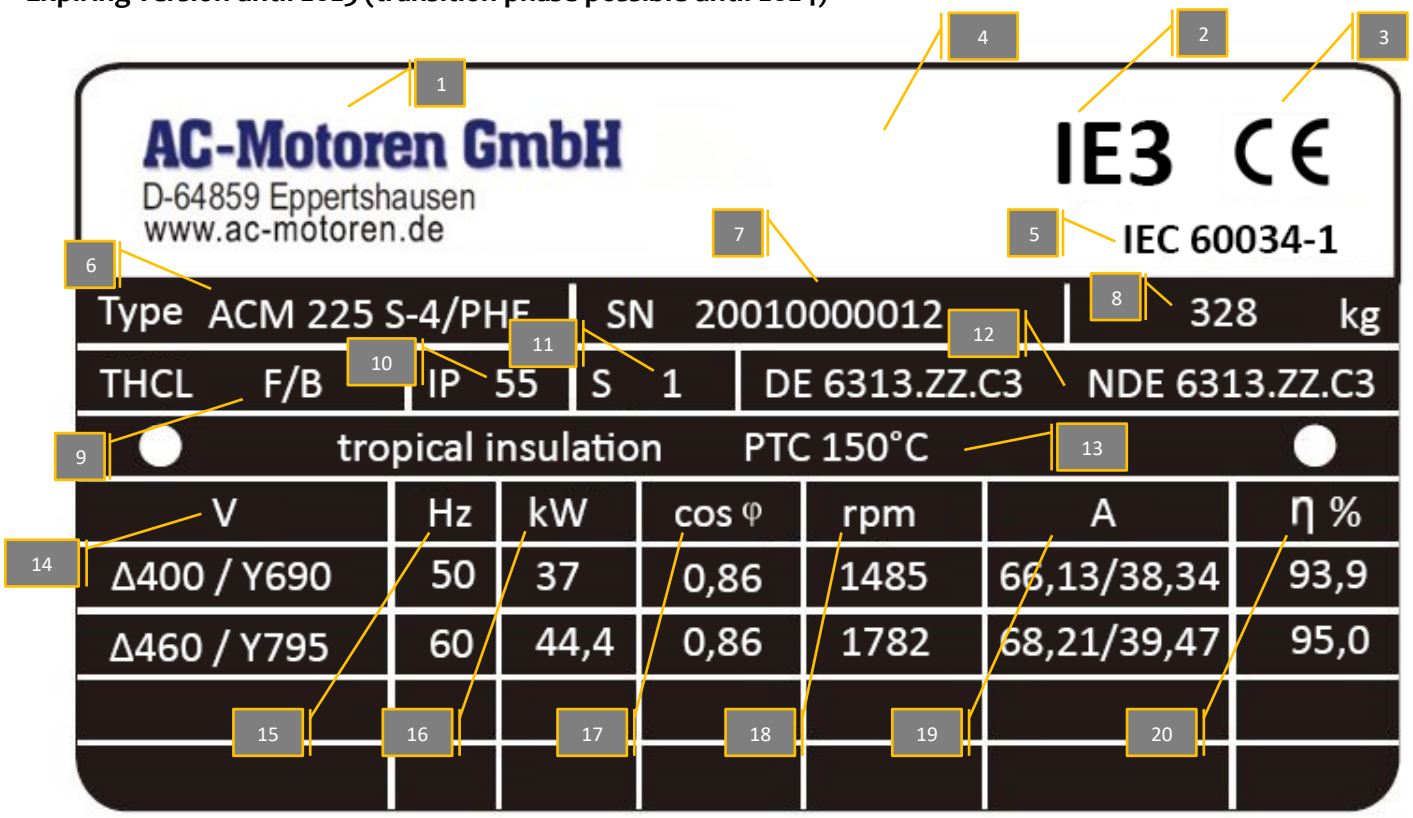

Figure 1

Deviations of the content possible depending on the nameplate size

1	Company logo and address	11	Operating mode
2	Efficiency class	12	Ball bearing A and B side
3	CE marking	13	Additional information (miscellaneous)
4	Other markings	14	Voltage and circuit
5	IEC standard specification	15	Frequency
6	Type designation (explanation, chapter 2 Type code)	16	Power
7	Serial number (digits 1-2 = year, digits 3-4 = month)	17	Power factor
8	Weight	18	Speed
9	Insulation class	19	Rated current
10	Protection class	20	Efficiency

Table 1

New version from 2023

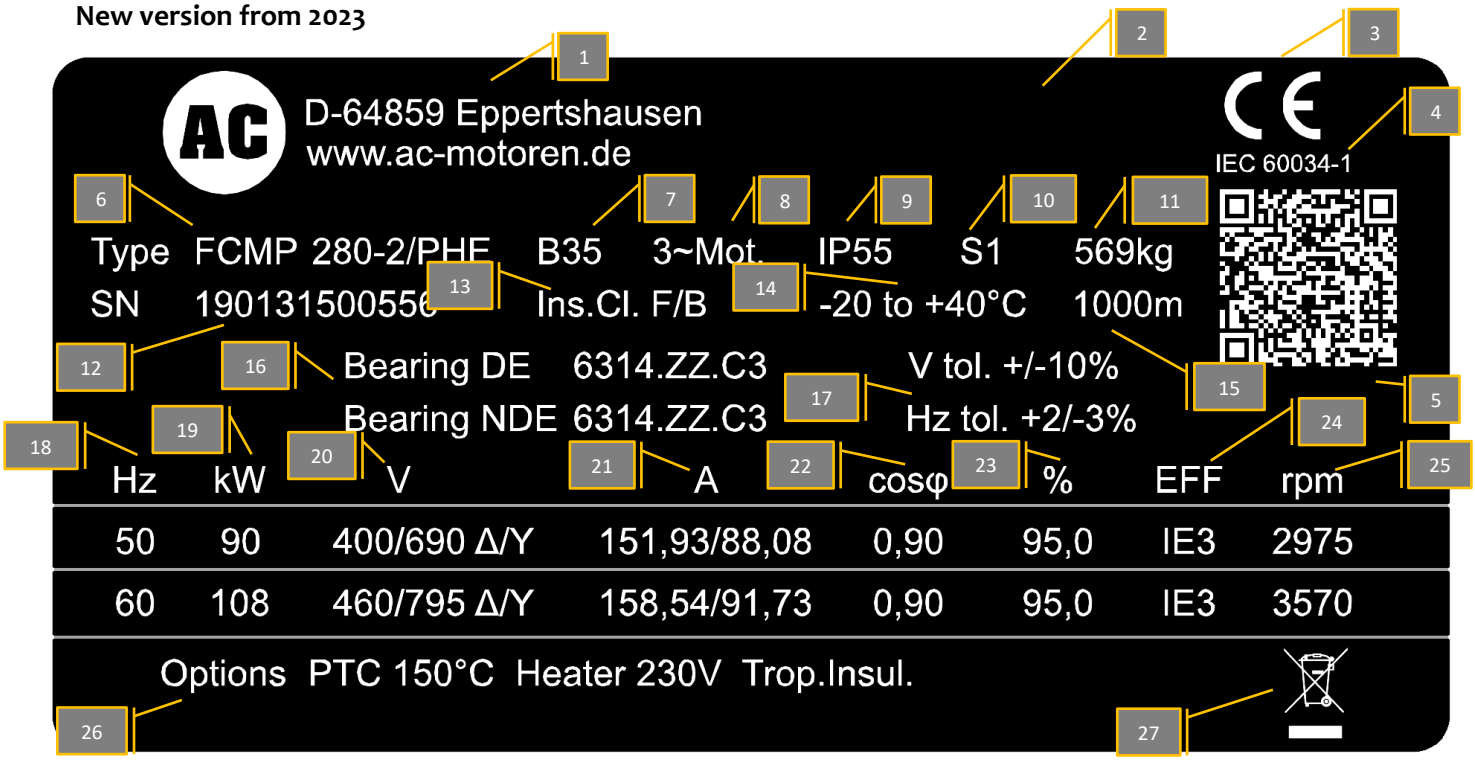

Figure 2

Deviations of the content possible depending on the nameplate size

1	Company logo and address	15	Installation height
2	Other markings	16	Ball bearing A- and B-side
3	CE marking	17	Voltage and frequency tolerance
4	IEC standard specification	18	Frequency
5	QR Code	19	Power
6	Type designation (explanation, chapter 2 Type code)	20	Voltage and circuit
7	Type of construction	21	Rated current
8	Motor type	22	Power factor
9	Protection class	23	Efficiency
10	Operating mode	24	Efficiency class
11	Weight	25	Speed
12	Serial number (digits 1-2 = year, digits 3-4 = month)	26	Additional information (miscellaneous)
13	Insulation class	27	WEEE mark
14	Ambient temperature		

Table 2

2. Type code AC motors

Type key explained by means of an example.

Type	Size	Housing	Number of Poles	Efficiency
FCA	132	MA	4	PHE

Overview Type

* Manufacturer E has no reference to the design and terminal box in the type

	Manufacturer A Aluminum	Manufacturer A Grey cast iron	Manufacturer B Aluminum		Manufacturer B Grey cast iron	Manufacturer C Aluminum	Manufacturer C Cast iron	Manufacturer D Grey cast iron	Manufacturer E* Grey cast iron	Manufacturer F Aluminum
Design / motor type	Three-phase	Three-phase	Three-phase	Single phase	Three-phase	Three-phase	Three-phase	Three-phase	Three-phase	Single phase
B3	ACA	ACM	ACY	AGS	AMY	AOA	AOM	AWM	ASA	ABS
B5 / B14	FCA	FCM	FCY	FGS	FMY	FOA	FOM	FWM	ASA	FBS
B35 / B34	FCPA	FCPM	FCPY	FGSP	FYMP	FOPA	FOPM	FWMP	ASA	FBSP
Terminal box right										
B3	ARA	ACR	AYR	-	AYR	AOR	AOR	AWR	ASA	-
B35 / B34	FRPA	FCPR	FYRP	-	FYMR	FOPR	FOPR	FWMR	ASA	-
Terminal box left										
B3	ALA	ACL	AYL	-	AYL	AOL	AOL	AWL	ASA	-
B35 / B34	FLPA	FCPL	FYPL	-	FYML	FOPL	FOPL	FWML	ASA	-

Table 3

Overview Size

Size	Shaft height (foot to center shaft)
56	56mm
63	63mm
71	71mm
80	80mm
90	90mm
100	100mm
112	112mm
132	132mm

Size	Shaft height (foot to center shaft)
160	160mm
180	180mm
200	200mm
225	225mm
250	250mm
280	280mm
315	315mm
355	355mm

Table 4

Overview housing

***** If no service code number is specified, there is only one service in this combination

Housing design	Description
S	Housing size 1, short
M	Housing size 2, medium
L	Housing size 3, long
X	Housing size 4, extra long (special housing)

Performance index*	Power level
A	1 (standard motors)
B	2 (standard motors)
C	3 (progressive motors)
D	4 (progressive motors)

Table 5

Number of poles overview

Number of poles	Speed
2	≈ 3000 rpm
4	≈ 1500 rpm
6	≈ 1000 rpm
8	≈ 750 rpm

Performance indicator *	Speed
2/4	≈ 3000/1500 rpm
4/6	≈ 1500/1000 rpm
4/8	≈ 1500/750 rpm
6/8	≈ 1000/750 rpm

Table 6

Efficiency class overview

Efficiency	Efficiency class
-	IE1 - Without classification
/HE	IE2 - High Efficiency
/PHE	IE3 - Premium High Efficiency
/SPE	IE4 - Super Premium Efficiency

Table 7

3. Type key of the manufacturer

This presentation is a simplified overview, in which the type is not discussed in as much detail as in point 2. Detailed overview available on request.

Manufacturer	Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Value 7	Value 8
A	JM	3	-	100	L	2	-	4
Description	Housing material	Efficiency class	Filler	Size	Housing design	Performance indicator	Filler	Number of poles

Manufacturer	Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Value 7
B	IE2	-	100	L	2	-	4
Description	Efficiency class	Filler	Size	Housing design	Performance indicator	Filler	Number of poles

Manufacturer	Value 1	Value 2	Value 3	Value 4	Value 5
C	3	MAS	100	L	2
Description	Efficiency class	Motor type	Size	Housing design	Number of poles

Manufacturer	Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Value 7
D	OMT	-	IE3	100	L	X	4
Description	Motor type	Filler	Efficiency class	Size	Housing design	Performance indicator	Number of poles

Manufacturer	Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Value 7	Value 8
E	E3	-	ASA	100	L	A	-	4
Description	Efficiency class	Filler	Motor type	Size	Housing design	Performance indicator	Filler	Number of poles

Manufacturer	Value 1	Value 2	Value 3	Value 4
F	MY	100	L	1
Description	Motor type	Size	Housing design	Performance indicator

Table 8