

7.7. Available Options

Type code fields				Example: MAC 112 A-0-LD-4 - C/130-A-0/WI 520LV/S000															
1. Motor for analogue drives				MAC															
2. Motor size				112															
3. Motor length				A, B, C, D															
4. Type of cooling:																			
natural convection				surface cooling															
				axial				radial											
				AC 230 V		AC 115 V		blower right		blower below		blower left							
				1 ¹⁾		2 ¹⁾		6		A		7		B		8		C	
0																			
5. Type of windings																			
Nominal rpm				Standard applications				with increased smooth run quality											
				motor length				motor length											
				A	B	C	D	A	B	C	D								
1500 min ⁻¹				ZD	PD	KD	HD	ZG	PG	KG	HG								
2000 min ⁻¹				VD	LD	HD	FD	VG	LG	HG	FG								
3000 min ⁻¹				LD	GD	ED	ED	LG	GG	EG	EG								
5000 min ⁻¹				--	--	CD ⁶⁾	--	--	--	CG ⁶⁾	--								
6. Motor feedback																			
Motor type																			
with tachofeedback				2															
with tachofeedback and second shaft end				3															
with tachofeedback and mounted incremental or absolute encoder				4															
Tacho voltage																			
set to nominal motor speed				-															
(nominal rpm > 3000 min ⁻¹ : 1,5 V/1000 min ⁻¹)																			
(Nenn Drehzahl ≤ 3000 min ⁻¹ : 3 V/1000 min ⁻¹)																			
1.5 V/1000 min ⁻¹				H															
6 V/1000 min ⁻¹ 3)				L															
Tacho type																			
Standard				C															
increased smooth run quality				F															
7. Centering diameter																			
for design B05 and B14				130															
for design B05 and B14				180 ²⁾															
8. Power connection																			
connector to side A				A															
connector to side B				B															
connector to right (looking onto output shaft)				R															
connector to left (looking towards output shaft)				L															
9. Blocking brake																			
without blocking brake				0															
with standard blocking brake (45 Nm)				1															
with heavy-duty blocking brake (60 Nm)				2 2) 5)															
extra heavy-duty blocking brake (60 Nm)				3 2) 5)															
10. Type ⁴⁾																			
Incremental encoder with standard mounting				WI															
Incremental encoder with shock-damped mounting				DI															
Absolute encoder				AM															
11. Encoder code ⁴⁾																			
For available types, see section 2.4 "Motor feedback"																			
12. Special types																			
Fixed and documented by INDRAMAT with special number (see Drawing no.: 106-0105-4301-XX)																			
Does not apply to standard motors.																			

1) For type 3 motors (with 2nd shaft end and tachofeedback).
Not available with axial surface cooling.

2) Type code fields 10 and 11 do not apply to motor types 2 and 3.

3) only with tacho type "F"

4) type code fields 10 and 11 do not apply to motor types 2 and 3

5) not available with motor length A

6) not available with surface cooling

TLMAC112

Fig 7.21: Type codes - MAC 112