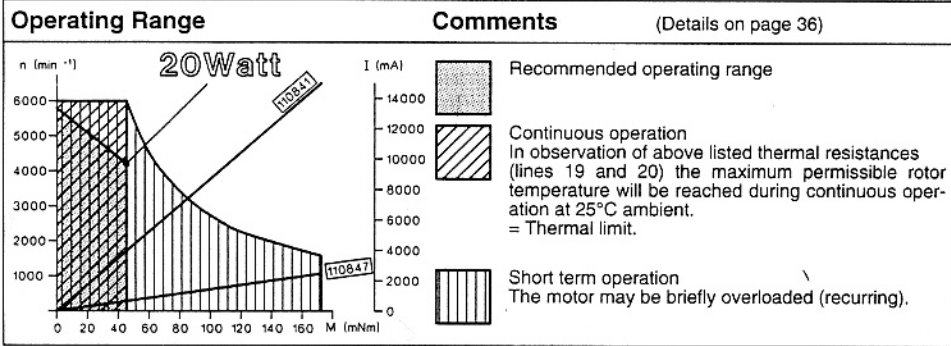


Motor Type:
maxon A-max Ø32 mm ...

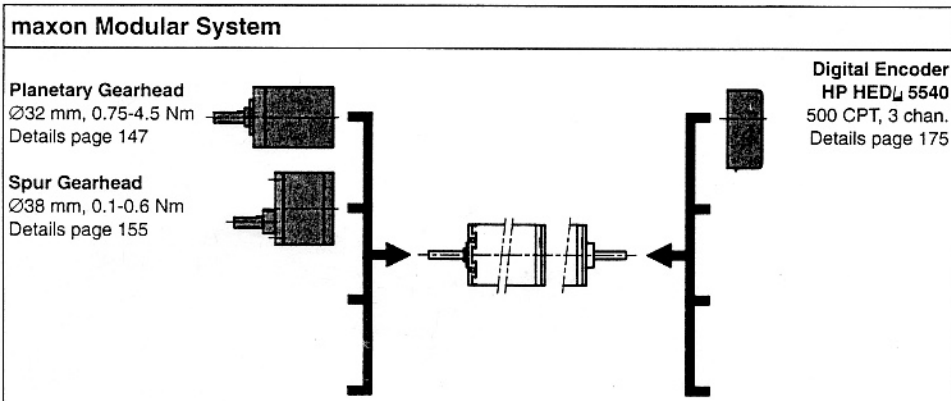
Order Number
Motor Data

@ Work stations # 2, 3, 4, 8

...	Graphite brushes, 20 W, ball bearings, 1 shaft	A	110841	110842	110843	110844	110845	110846	110847		
...	Graphite brushes, 20 W, ball bearings, 2 shafts	B	110848	110849	110850	110851	110852	110853	110854		
1	Assigned power rating	W	20								
2	Nominal voltage	Volt	12.00								
3	No load speed	rpm	4640								
4	Stall torque	mNm	131								
5	Speed/torque gradient	rpm/mNm	36.0								
6	No load current	mA	82.8								
7	Starting current	mA	5430								
8	Terminal resistance	Ohm	2.21								
9	Max. permissible speed	rpm	6000								
10	Max. continuous current	mA	1840								
11	Max. continuous torque	mNm	44.5								
12	Max. power output at nominal voltage	mW	15500								
13	Max. efficiency	%	75.9								
14	Torque constant	mNm/A	24.2								
15	Speed constant	rpm/V	394								
16	Mechanical time constant	ms	15.0								
17	Rotor inertia	gcm ²	39.7								
18	Terminal inductance	mH	0.26								
19	Thermal resistance housing-ambient	K/W	7.50								
20	Thermal resistance rotor-housing	K/W	2.10								



- Stock program**
- Standard program**
- Special program (on request)**
 - Axial play: 0.12 - 0.22 mm
 - Max. ball bearing loads:
 - axial (dynamic): 7.6 N
 - radial (5 mm from flange): 32.0 N
 - Press-fit force (static): 110 N (same as above, shaft supported): 2000 N
 - Max. sleeve bearing loads:
 - axial (dynamic): 5 N
 - radial (5 mm from flange): 10.5 N
 - Press-fit force (static): 110 N (same as above, shaft supported): 2000 N
 - Radial play ball bearings: 0.025 mm
 - Radial play sleeve bearings: 0.012 mm
 - Ambient temperature range: -20/+85°C
 - Max. rotor temperature: +125°C
 - Number of commutator segments: 13
 - Weight of motor: 242 g
- Values listed in the table are nominal. For applicable tolerances (see page 33) and additional details please request our computer printout.



• Options: sleeve bearings in place of ball bearings and pigtails instead of terminals.