

**GROUP A (AMBERBIR) - Maxon DCX22L with 103:1 gear**

Nominal Voltage [V]	Max Current [A]	Torque Constant (with gear) [Nm/A]	Inertia (with gear) [Kgm^2]	Friction (with gear) [Nms/rad]	Speed Constant [rpm/V]	R [Ω]	L [mH]
18	2.26	1.504	0.0104	0.0068	654	0.68	0.0779

**GROUP B (FRANCESCO and ENRICO) - Maxon DCX22L with 103:1 gear**

Nominal Voltage [V]	Max Current [A]	Torque Constant (with gear) [Nm/A]	Inertia (with gear) [Kgm^2]	Friction (with gear) [Nms/rad]	Speed Constant [rpm/V]	R [Ω]	L [mH]
18	2.26	1.504	0.0104	0.0068	654	0.68	0.0779

**GROUP C (PATRICK and ANNA) - Maxon EC90 flat without gear**

Nominal Voltage [V]	Max Current [A]	Torque Constant [Nm/A]	Inertia [Kgm^2]	Friction [Nms/rad]	Speed Constant [rpm/V]	R [Ω]	L [mH]
48	4,06	0,231	0,000506	0,00001	41,3	0,844	1,07

**GROUP D (PIO and GIULIO) - Faulhaber 4221-018-BXT with 89:1 gear**

Nominal Voltage [V]	Max Current [A]	Torque Constant (with gear) [Nm/A]	Inertia (with gear) [Kgm^2]	Friction (with gear) [Nms/rad]	Speed Constant [rpm/V]	R [Ω]	L [mH]
18	3,33	2,65	0,054	0,17	320	0,46	0,396

**GROUP E (SUBHASH and ABDULLAH) - Maxon EC45 flat with 43:1 gear**

Nominal Voltage [V]	Max Current [A]	Torque Constant (with gear) [Nm/A]	Inertia (with gear) [Kgm^2]	Friction (with gear) [Nms/rad]	Speed Constant [rpm/V]	R [Ω]	L [mH]
18	4,29	1,26	0,024	0,1	324	0,447	0,243