

**Comparative table for the motors**

	Balade PLUS	Folding bike	KMP	OffRoad	SPEED	Le Transporteur	Magic Pie 3	Xtrême	Smart Pie	Magic Pie 2
Factory price	389 € TTC	419 € TTC	749 € TTC	549 € TTC	549 € TTC	479 € TTC	469 € TTC	359 € TTC	399 € TTC	379 € TTC
Premium price	469 € TTC	499 € TTC		629 € TTC	629 € TTC	559 € TTC	549 € TTC	439 € TTC	479 € TTC	459 € TTC
Type of motor	Gearred	Gearred	Gearred	Gearred	Gearred	Gearless	Gearless	Gearless	Gearless	Gearless
Weight of motor	2,65 kg	1,9 kg	2,1 kg	4,1 kg	4,1 kg	6 kg	8,2 kg	6,4 kg	4,6 kg	7,5 kg
Fork ends gap FONT motor (distance between the fork ends)	100 mm	85 mm	100mm		100mm		100 mm	100 mm	100 mm	100 mm
Fork ends gap REAR motor (distance between the fork ends)				135mm		142mm	135 mm	135 mm	135 mm	135 mm
Diameter motor	135 mm	120 mm	100 mm	180 mm	180 mm	242 mm	310 mm	243 mm	188 mm	310 mm
Compatibility with disc brakes (norm IS2000)	yes	non	yes	yes	yes	yes	yes	yes (option REAR wheel)	yes	yes
Compatibility with V-brakes with cables (except 'stick' rims)	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Freewheel / Cassette				Cassette 8 to 10v max.		Cassette 8 to 10v max.	Freewheel 10v max.	Freewheel 5v max.	Freewheel 10v max.	Freewheel 10v max.
<b>Controllers</b>										
Max amperage (<30s sous 48v)	12A	15A	12A	25A	25A	25A	37A	30A	22A	30A
Programmable	no	no	no	no	no	no	yes	yes	yes	yes
Internal / External	external	external	external	external	external	external	internal	external	internal	external
Cruise Control	no		no	no	no	no	yes	yes	yes	yes
Throttle	option	option	yes	yes	yes	yes	yes	yes	yes	yes
E-brakes for cable brakes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
E-brakes for hydraulic brakes	option : voir article Mancontacteur électrique Magura					option : voir article Mancontacteur électrique Magura				
Horn (external controller)	no	no	no	no	no	no	no	yes	no	yes
Pedalling sensor	yes	yes	no	option	option	option	option	option	option	option
<b>Rims</b>										
Alloy rim	yes 26" and 28" (700C)	yes 16" and 20"		yes from 20" to 28"	yes from 20" to 28"	yes from 24" to 28"	yes from 24" to 28"	yes from 20" to 28"	yes from 16" to 28"	yes from 24" to 28"
Width alloy rim (internal/external)	19 mm / 25 mm	19 mm / 25 mm		19 mm / 25 mm	19 mm / 25 mm	19 mm / 25 mm	19 mm / 25 mm	19 mm / 25 mm	19 mm / 25 mm	19 mm / 25 mm
Stick alloy rim							16" and 20"	16"	12"	16" and 20"
Width stick alloy rim (internal/external)							30 mm / 40 mm	38 mm / 50 mm	30 mm / 40 mm	30 mm / 40 mm
<b>Performances 48V (1)</b>										
Max power in 48v			600 w	1200 w	1200 w	1200 w	1450 w	1200 w	1100 w	1200 w
Nominal power in 48v			350 w	600 w	600 w	600 w	600 w	600 w	400 w	600 w
Torque (2)			97 N.m	> 50 N.m	47 N.m	> 45 N.m	35 N.m	25 N.m	25 N.m	29 N.m
Rotation speed without load			278 tr/min	335 tr/min	450 tr/min	295 tr/min	408 tr/min	480 tr/min	433 tr/min	408 tr/min
Rotation speed with load			271 tr/min	300 tr/min	380 tr/min	275 tr/min	325 tr/min	365 tr/min	302 tr/min	325 tr/min
Linear speed without load			46 km/h	46 km/h	60 km/h	39,5 km/h	55 km/h	64 km/h	58 km/h	55 km/h
Linear speed without load (with pedalling assistance)			>44 km/h	> 40 km/h	> 50 km/h	> 37 km/h	> 45 km/h	> 50 km/h	> 40 km/h	> 45 km/h
<b>Performances 36V (1)</b>										
Max power in 36v	450 w	450 w	450 w	800 w	800 w		1050 w	900 w	800 w	900 w
Nominal power in 36v	250 w	250 w	250 w	400 w	400 w		400 w	400 w	300 w	400 w
Torque (2)	28 N.m	14 N.m	81 N.m	> 42 N.m	42 N.m		34 N.m	26 N.m	26 N.m	29 N.m
Rotation speed without load	235 tr/min	328 tr/min	195 tr/min	265 tr/min	350 tr/min		310 tr/min	343 tr/min	310 tr/min	310 tr/min
Rotation speed with load	190 tr/min	260 tr/min	187 tr/min	225 tr/min	280 tr/min		260 tr/min	275 tr/min	253 tr/min	260 tr/min
Linear speed without load	31,5 km/h	~ 25 et 30 km/h (3)	32 km/h	35 km/h	47 km/h		41,5 km/h	46 km/h	41,5 km/h	41,5 km/h
Linear speed without load (with pedalling assistance)	25 km/h	~ 20 et 25 km/h (3)	>30 km/h	> 30 km/h	> 37 km/h		> 35 km/h	> 37 km/h	> 34 km/h	> 35 km/h
<b>Performances 24V (1)</b>										
Max power in 24v							650 w	550 w	650 w	
Nominal power in 24v							250 w	200 w	250 w	
Torque (2)							27 N.m	27 N.m	31 N.m	
Rotation speed without load							240 tr/min	204 tr/min	207 tr/min	
Rotation speed with load							212 tr/min	147 tr/min	190 tr/min	
Linear speed without load							32 km/h	27 km/h	28 km/h	
Linear speed without load (with pedalling assistance)							> 28 km/h	> 20 km/h	> 25 km/h	