Characteristics data

Roller Dia: 50.0 mm

Speed Code	Gearbox	ECO-mode								BOOST-mode								
		Speed (m/min)	Torque(N-m)			Tangential force(N)		Current (A)		Speed (m/min)	Torque(N-m)			Tangential force(N)		Current (A)	
			Rated	Starting	Accel	Rated	Starting	Rated (max)	Starting		Rated	Starting	Accel	Rated	Starting	Rated (max)	Starting
15	3 stage	2.0 ~ 20.3	2.97	16.39	4.95	118.8	655.7			2.0 ~ 14.7	5.40	21.37	7.94	216.0	855.0		
20		2.7 ~ 27.7	2.17	12.00	3.62	86.9	480.0			2.7 ~ 20.0	3.95	15.64	5.81	158.1	625.8		
25		3.4 ~ 33.8	1.78	9.83	2.97	71.2	393.4			3.4 ~ 24.4	3.24	12.82	4.76	129.6	513.0		
35	2 stage	4.9 ~ 49.9	1.20	6.66	2.00	48.3	266.6			4.9 ~ 36.1	2.19	8.69	3.59	87.8	347.7		
45		6.0 ~ 60.8	0.99	5.46	1.65	39.6	218.5			6.0 ~ 44.0	1.80	7.12	2.94	72.0	285.0		
60		8.2 ~ 83.1	0.72	4.00	1.20	28.9	160.0	2.5	3.0	8.2 ~ 60.1	1.31	5.21	2.15	52.7	208.6	3.5	5.0
75		10.1 ~ 101.4	0.59	3.27	0.98	23.7	131.1			10.1 ~ 73.3	1.08	4.27	1.76	43.2	171.0		
95	1 stage	13.3 ~ 133.8	0.44	2.48	0.73	17.9	99.3			13.3 ~ 96.8	0.81	3.23	1.49	32.7	129.5		
125		18.1 ~ 182.5	0.33	1.82	0.55	13.2	72.8			18.1 ~ 131.9	0.60	2.37	1.09	24.0	95.0		
175		24.7 ~ 249.3	0.24	1.33	0.40	9.6	53.3			24.7 ~ 180.3	0.43	1.73	0.78	17.5	69.5		
215		30.2 ~ 304.1	0.19	1.09	0.32	7.9	43.7			30.2 ~ 219.9	0.36	1.42	0.65	14.4	57.0		

Senergy Ai torque values are tested data and shall help to apply the product in a right way.

- Rated torque :

This torque value can be delivered by Senergy Ai for continuous use without overheating in environmental temperature of 25ºC. Average torque of start/stop operation should not exceed this torque value.

- Starting torque :

This torque is the peak value of motor stall torque.

- Accel torque :

This torque is the average torque which is present in the phase of acceleration up to set speed. This torque value can be used to calculate real acceleration time of an application. However torque consumption of idler rollers and belts also must be taken into consideration.

NOTE : When the motor is warmed up, torque performance will be less than above values, therefore enough safety factor consideration is necessary to pick the right speed code for each application.