

ELECTROMAGNETIC PARTICLE CLUTCH & BRAKE

SERIES 51-PC / 51-PB

FEATURES / TYPICAL INSTALLATION

RELIABLE & STABLE TORQUE

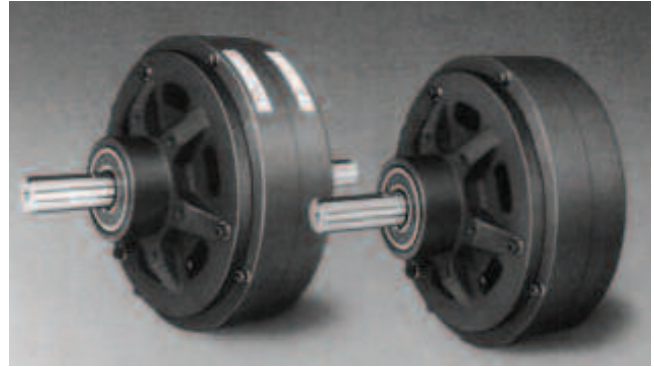
The 51-PC/51-PB series clutches and brakes utilise premium magnetic particles and the optimum magnetic circuit. The relationship between torque and exciting current is directly proportional, offering constant torque, independent of slip speed.

HIGH CYCLE CAPABILITY & LONG LIFE

The use of high wear particles assures long operational life in high cycle applications.

DESIGNED FOR CONTINUOUS SLIP

The 51-PC/51-PB series clutches and brakes have been designed to maintain high performance in continuous slip applications through maximum and continuous heat dissipation.



MODEL	Rated Torque (Nm)	Voltage (Dc)	Current (A at 75°C)	Wattage	Outline dimensions (mm)			Weight (Kg)	*1 Natural cooling	82 Forced cooling	Max speed (r/min)
					Shaft diameter	Overall diameter	Full length				
51-PC 1.2	12	24	1.4	42	15	152	192	7.5	100	200	1800
52-PB 1.2	12	24	1.4	42	15	152	133	7.0	100	200	1800
51-PC 2.5	24.5	24	1.9	56	20	182	230	12.5	130	240	1800
52-PB 2.5	24.5	24	1.9	56	20	182	156	10	130	240	1800
51-PC 5	49	24	2.8	82	25	218	294	19.5	160	400	1800
52-PB 5	49	24	2.8	82	25	218	195	17.5	250	400	1800
51-PC 10	97.5	24	3.6	105	30	290	360	42.5	250	800	1800
51-PB 10	97.5	24	3.6	105	30	290	242	40	400	800	1800
51-PC 20	200	24	3.8	112	35	335	408	71.5	350	1400	1800
51-PB 20	200	24	3.8	112	35	335	278	64	700	14000	1800

*1. If there are two numbers, the first shows a condition of 100 rpm and the lower number shows a condition of 1000 rpm.

*2. The cooling condition is shown as listed to the right.

MODEL	1.2	2.5	5	10	20
AIR PRESSURE (Kg/cm ²)	0.3	0.5	1	1.4	1.5
AIR VOLUME (M ² /MIN)	0.2	0.3	0.6	1.1	1.6