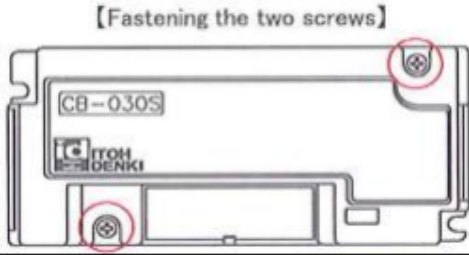
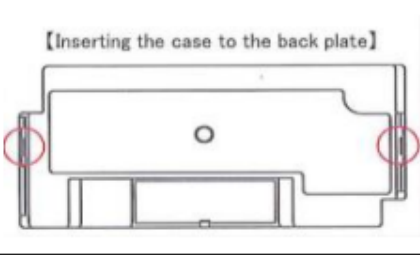


CB-030P VS. CBK-109FP

		CB-030P	CBK-109FP				
Improvement points	Improvement 1	-----	Strengthen resistance against noise, static, and voltage spikes				
	Improvement 2	Standard (12P): CB-030 BR : N/A	Standard (12P): CBK-109F P/N BR (13P): CBK-109B P/N				
Function	Negative load control	NO	Yes				
		Over speeding due to decline	Speed control to keep set speed 1. Control the speed when the speed exceeds the set speed by 10% or more 2. Control the speed when the speed exceeds the set speed by 12% or more while accelerating or decelerating.				
	Characteristics of motor (based on a 55-speed code)	Speed (FPM)	Tangential Force (lb)	Rated Current (A)	Speed (FPM)	Tangential Force (lb)	Rated Current (A)
		187.7	13.24	3.9	187.7	13.56	4.5
		98.1	14.81	2.7	98.1	14.86	2.8
26.9	17.51	1.4	26.9	17.45	1.4		
Brake	Standard	Dynamic brake	Dynamic brake → Servo lock brake Dynamic brake when error occurs				
	Mechanical	No	Dynamic brake → mechanical brake				
Protections	Back EMF	Error condition	No				
		Recovery condition	No				
	Disconnected error	4 sec.	1 sec.				
	Lock error	Lock time	4 sec.	0.5 sec			
Recovery condition		RUN: OFF → ON Or DIR: ON → OFF → ON Or DIR: OFF → ON → OFF	Recovery will be the same steps as the CB-030. The CBK-109 will be able to recover 4 sec. after a lock error.				
Appearance	Size	Dimensions: 59 x 129 x 23 (mm)	Dimensions: 59 x 129 x 25 (mm) The CBK-109 is 2mm taller.				
	Case Fixing method	 <p>【Fastening the two screws】</p>	 <p>【Inserting the case to the back plate】</p>				
	Switch cover	Rubber grommet for NPN-PNP switch	No switch cover				

CB-030P VS. CBK-109FP

