

**MODEL: FR-XC**

**TITLE: HEAT GENERATION OF THE FR-XC SERIES**

The heat generation of the FR-XC series is shown below:

1. Common bus mode (harmonic suppression control disabled)

FR-XC-□ (200V class)

Model Name	Amount of heat generated (W)			
	FR-XC		FR-XCL	
	50°C Rating	40°C Rating	50°C Rating	40°C Rating
7.5K	220	240	55	60
11K	315	345	72	79
15K	460	505	90	99
22K	685	755	98	108
30K	810	890	116	128
37K	890	980	144	159
55K	1080	1190	168	185

FR-XC-□ (400V class)

Model Name	Amount of heat generated (W)			
	FR-XC		FR-XCL	
	50°C Rating	40°C Rating	50°C Rating	40°C Rating
H7.5K	130	145	62	69
H11K	200	220	72	78
H15K	280	305	72	79
H22K	365	395	89	97
H30K	435	485	109	121
H37K	590	650	116	128
H55K	880	965	180	197

**MODEL: FR-XC**

2. Common bus mode (harmonic suppression control enabled)  
 FR-XC-□-PWM (200V class)

Model Name	Amount of heat generated (W)			
	FR-XC-PWM		FR-XCB	
	50°C Rating	40°C Rating	50°C Rating	40°C Rating
18.5K	745	810	355	385
22K	895	980	380	420
37K	1395	1530	575	630
55K	1865	2030	730	800

FR-XC-□-PWM (400V class)

Model Name	Amount of heat generated (W)			
	FR-XC-PWM		FR-XCB	
	50°C Rating	40°C Rating	50°C Rating	40°C Rating
H18.5K	795	855	495	530
H22K	940	1025	510	560
H37K	1470	1615	790	870
H55K	1915	2080	965	1050