

Distribution Boxes

HRMD93 Series Explosion-proof Distribution Panels

Form of maximum power dissipation and temperature rise

Ta=60℃	HRMD93 with full metal cover without glass window					
	T4(T130℃)		T5(T95℃)		T6(T80℃)	
Type	Power (W)	T Rise (K)	Power (W)	T Rise (K)	Power (W)	T Rise (K)
HRMD93-B/I	178	50	106	35	52	18
HRMD93-B/II	300	50	132	35	63	18
HRMD93-B/III	425	50	250	35	130	18
HRMD93-B/IV	700	50	410	35	215	18

Ta=60℃	HRMD93 with full metal cover with glass window						
	T4(T130℃)		T5(T95℃)		T6(T80℃)		
	Type	Power (W)	T Rise (K)	Power (W)	T Rise (K)	Power (W)	T Rise (K)
	HRMD93-B/I	150	50	85	35	38	18
	HRMD93-B/II	185	50	112	35	58	18
	HRMD93-B/III	325	50	210	35	95	18
	HRMD93-B/IV	700	50	410	35	180	18

Ta=40℃	HRMD93 with full metal cover without glass window						
	T4(T130℃)		T5(T95℃)		T6(T80℃)		
	Type	Power (W)	T Rise (K)	Power (W)	T Rise (K)	Power (W)	T Rise (K)
	HRMD93-B/I	255	70	178	55	116	38
	HRMD93-B/II	375	70	215	55	150	38
	HRMD93-B/III	575	70	425	55	276	38
	HRMD93-B/IV	975	70	700	55	480	38

Ta=40℃	HRMD93 with full metal cover with glass window					
	T4(T130℃)		T5(T95℃)		T6(T80℃)	
Type	Power (W)	T Rise (K)	Power (W)	T Rise (K)	Power (W)	T Rise (K)
HRMD93-B/I	255	70	150	55	96	38
HRMD93-B/II	375	70	185	55	130	38
HRMD93-B/III	575	70	325	55	215	38
HRMD93-B/IV	975	70	660	55	460	38

Power consumption at Ta=60°C				
Type	Type of combination	T4/T130°C	T5/T95°C	T6/T80°C
*HRMD93-A/V/045	type III and IV	III: 310W IV: 460W	III: 155W IV: 310W	III: 80W IV: 160W
*HRMD93-A/V/046	type II and III and IV	II: 146W III: 280W IV: 383W	II: 115W III: 155W IV: 310W	II: 50W III: 80W IV: 160W
*HRMD93-A/V/047	type I and II and III and IV	I: 108W II: 146W III: 280W IV: 383W	I: 55W II: 110W III: 150W IV: 305W	I: 30W II: 50W III: 80W IV: 160W
*HRMD93-A/V/048	type I and III and IV	I: 103W III: 275W IV: 378W	I: 60W III: 155W IV: 310W	I: 30W III: 80W IV: 160W



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Power consumption at Ta=40℃				
Type	Type of combination	T4/T130℃	T5/T95℃	T6/T80℃
*HRMD93-A/V/045	type III and IV	III: 370W IV: 787W	III: 310W IV: 460W	III: 155W IV: 310W
*HRMD93-A/V/046	type II and III and IV	II: 245W III: 393W IV: 787W	II: 146W III: 280W IV: 383W	II: 115W III: 155W IV: 310W
*HRMD93-A/V/047	type I and II and III and IV	I: 150W II: 220W III: 320W IV: 700W	I: 108W II: 146W III: 280W IV: 383W	I: 55W II: 110W III: 150W IV: 305W
*HRMD93-A/V/048	type I and III and IV	I: 150W III: 385W IV: 787W	I: 103W III: 275W IV: 378W	I: 60W III: 155W IV: 310W

Power consumption at Ta=60℃				
Type	Type of combination	T4/T130℃	T5/T95℃	T6/T80℃
*HRMD93-B/V/025	type I and II	I: 116W II: 153W	I: 60W II: 115W	I: 30W II: 50W
*HRMD93-B/V/020	type II and IV	II: 146W IV: 460W	II: 115W IV: 310W	II: 50W IV: 160W
*HRMD93-B/V/019	type III and IV	III: 310W IV: 460W	III: 155W IV: 310W	III: 80W IV: 160W

Power consumption at Ta=40℃				
Type	Type of combination	T4/T130℃	T5/T95℃	T6/T80℃
*HRMD93-B/V/025	type I and II	I: 150W II: 225W	I: 116W II: 153W	I: 60W II: 115W
*HRMD93-B/V/020	type II and IV	II: 245W IV: 787W	II: 146W IV: 460W	II: 115W IV: 310W
*HRMD93-B/V/019	type III and IV	III: 385W IV: 787W	III: 310W IV: 460W	III: 155W IV: 310W

Note: *reference represents a representative type, which can cover the type of HRMD93-B/V and HRMD93-A/V.