

# Rennline Coil Pack Data Sheet

## Advantages over OEM -

- Longer spark duration.
- Hotter spark. This translates to an easier to burn Air/Fuel mixture.
- Higher output results allows a wider spark plug gap (which increases the spark area exposed to air-fuel.) which maximizes burn efficiency.
- Higher discharge energy which leads to better efficiency.
- Higher quality primary and secondary wind up components which results in a great voltage step up. (See secondary voltage)
- **Anywhere between 10 - 20% more energy upon discharge.**

## The Data (M69)

- Higher discharge energy (**129.6mJ** vs 105mJ)
- Higher discharge current (**162mA** vs 150mA)
- Higher secondary voltage (**32.8KV** vs 30KV)
- Longer spark duration (**1.6uS** vs 1.4uS time of discharge)

## UNITS:


KV - Kilivolts

uS - Micro seconds

mJ - Milijoule

mA - MilliAmp

# M67

No:		Voltage:		Date: Feb. 21, 2022			
Reference No.		Details					
Test standard requirements		test voltage: +14Vdc					
		1					
Inspection point			Unit	99760210404	M67		
Parameters							
	Dynamic test condition	Datum time of primary current		ms	3.29		
		Primary current		A	13.2	13	
		Voltage:	The biggest output voltage of secondary coil (14V, when start)	load 50PF // 1MΩ	KV	29.8	32.8
				load 50PF	KV	36	38.8
		Hz:	Energy of Zener Diode discharge		mJ	71.5	85.5
Time:		Time of Zener Diode		uS	1.3	1.3	
Capacitor:		the biggest current of ZenerDiode discharge		mA	110	132	
Load:	Voltage of Zener discharge		V				
		Open Load Test( 40KV/5 mins)					

# M68


No: Voltage: Date: Feb. 21, 2022

Reference No.		Details				
Test standard requirements		test voltage: +14Vdc				
		1				
Inspection point		Unit	99760210703 M68			
Parameters	Dynamic test condition Voltage: Hz: Time: Capacitor: Load:	Datum time of primary current		ms	3.29	
		Primary current		A	13.2	13
		The biggest output voltage of secondary coil (14V, when start)	load 50PF // 1MΩ	KV	29.8	32.8
			load 50PF	KV	36	38.8
		Energy of Zener Diode discharge		mJ	71.5	85.5
	Time of Zener Diode		uS	1.3	1.3	
	the biggest current of ZenerDiode discharge		mA	110	132	
	Voltage of Zener discharge		V			
	Open Load Test( 40KV/5 mins)					




# M69

No: Voltage: Date: Feb. 21, 2022

Reference No.				Details				
Test standard requirements		test voltage: +14Vdc						
				1				
Inspection point			Unit	9A160210407	M69			
Parameters								
			Datum time of primary current	ms	4			
			Primary current		A	21.6	20.2	
	Dynamic test condition	Voltage:	The biggest output voltage of secondary coil (14V, when start)	load 50PF // 1MΩ	KV	30	32.8	
				load 50PF	KV	40	43.6	
	Time:	Energy of Zener Diode discharge			mJ	105	129.6	
Capacitor:	Time of Zener Diode			uS	1.4	1.6		
Load:	the biggest current of ZenerDiode discharge			mA	150	162		
		Voltage of Zener discharge		V				
		Open Load Test( 40KV/5 mins)						

# M70

No:		Voltage:		Date: Feb. 21, 2022		
Reference No.		Details				
Test standard requirements		test voltage: +14Vdc				
		1				
Inspection point			Unit	94860210414	M70	
						
Parameters	Datum time of primary current		ms	4		
	Primary current		A	21.6	20.2	
	Dynamic test condition	The biggest output voltage of secondary coil (14V, when start)	load 50PF // 1MΩ	KV	30	32.6
			load 50PF	KV	40	43.2
	Voltage:	Energy of Zener Diode discharge		mJ	105	122.45
	Hz:	Time of Zener Diode		uS	1.4	1.55
	Time:	the biggest current of ZenerDiode discharge		mA	150	158
	Capacitor:	Voltage of Zener discharge		V		
Load:	Open Load Test( 40KV/5 mins)					

# M71

No: Voltage: Date: Feb. 21, 2022

Reference No.		Details			
Test standard requirements		test voltage: +14Vdc			
		1			
Inspection point		Unit	94860210422 M71		
Parameters	Dynamic test condition Voltage: Hz: Time: Capacitor: Load:	Datum time of primary current		ms	4
		Primary current		A	21.6 20.2
		The biggest output voltage of secondary coil (14V, when start)	load 50PF // 1MΩ	KV	30 32.8
			load 50PF	KV	40 43.6
		Energy of Zener Diode discharge		mJ	105 129.6
	Time of Zener Diode		uS	1.4 1.6	
	the biggest current of ZenerDiode discharge		mA	150 162	
	Voltage of Zener discharge		V		
	Open Load Test( 40KV/5 mins)				

