

The suspended pedal consisted of a base unit (nylon 66, GF 30%) and a pre-fitted pedal lever (Carbon Steel + PFZn05-B, Polished).

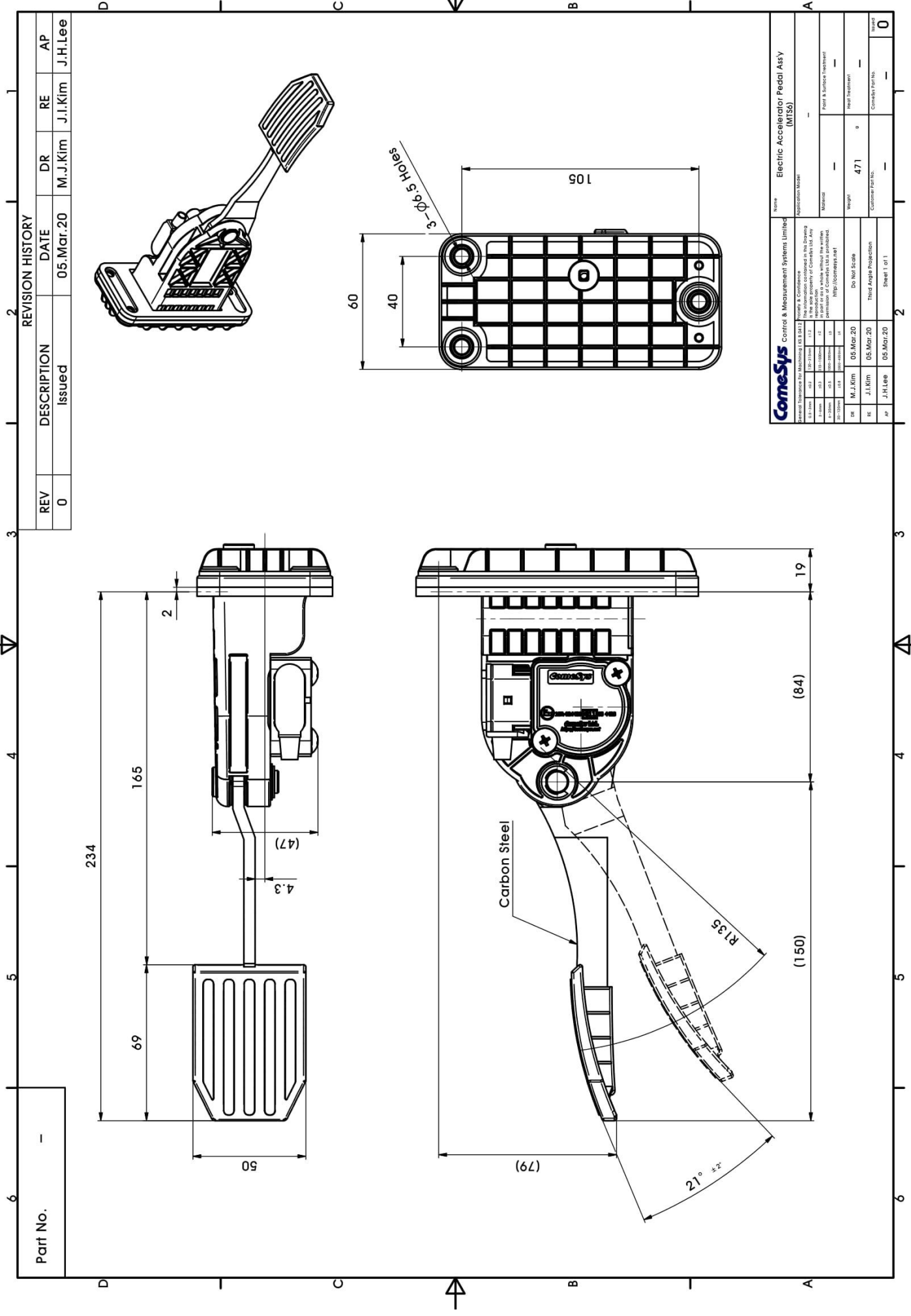
Twin return springs are used to replicate the pedal forces and direction-dependent hysteresis and to provide added safety.

Pedal position feed back is provided by a contactless sensor connected to either an analog or PWM signal circuit, depending on the variant. The no-load state can be detected either by an optocoupler or mechanically via a microswitch.



## SPECIFICATIONS

PRODUCT LIFE	FULL TRAVEL CYCLES	10 MILLION
ELECTRONICS	SEAL INTEGRITY	IP67
	EMI	SAE J1843 Compliant
ELECTRICAL	OPERATING VOLTAGE	5, 12, 24, 48 72Vdc as requested
	OUTPUT SIGNAL	Single, Dual output, PWM, CAN Bus as per SAE J-1939
PEDAL ANGLE	DEGREES	21° Angular Rotation
MECHANICAL	OPERATING FORCE	Initial Load : 25N (MIN), Full Throttle : 80N (MAX)
	VIBRATION	8 Hour, 3-Axis, Random Broadband up to 9G
ENVIRONMENTAL	OPERATING TEMP RANGE	-40°C to 85°C
	STORAGE TEMP RANGE	-40°C to 85°C
	HUMIDITY	After Exposed to -32°C ~ 70°C (96%)
	SAND/DUST	Tested to SAE-J 1455
MATERIALS	FOOT TREADLE	Carbon Steel + PFZn05-B
	TREADLE COVER	PA66+GF30%
	BODY CASTINGS	PA66+GF30%



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REVISION HISTORY

DESCRIPTION	DATE	DR	RE	AP
Issued	05.Mar.20	M.J.Kim	J.I.Kim	J.H.Lee

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