Korea Space Launch Vehicle

KSLV – II

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KAI KOREA AEROSPACE INDUSTRIES, LTD.

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KOREA SPACE LAUNCH VEHICLE-II

KSLV-II

KOREA Aerospace Industries has secured the technology to develop a space launch vehicle by participating in the development of the first stage propellant tank and systems assembly of the Korean Space Launch Vehicle(KSLV-II), which can deploy indigenous 1.5-ton class multi-purpose satellite into a low-earth orbit. Base on this achievements, KAI plans to launch a lunar probe and a low-orbit satellites for domestic as well as global customers.

Specifications

Height
47.2 m

Stage
3-Stage

Payload
1.5 t

Weight
21.4 t
(Empty Weight)

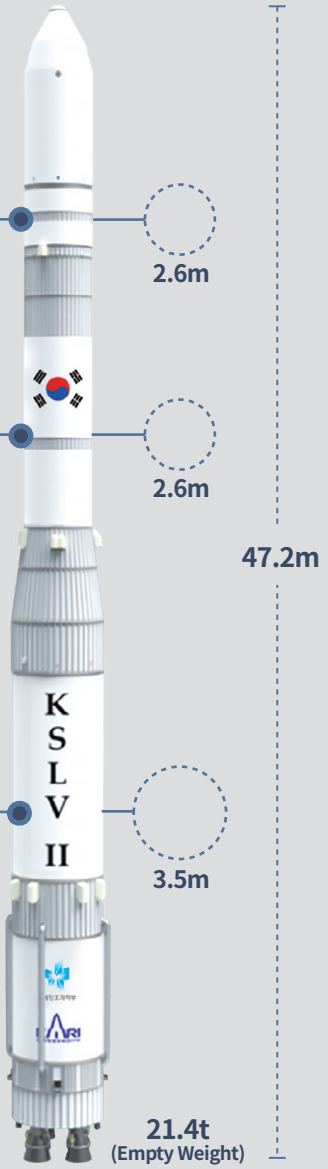
Diameter
3.5 m
(1-Stage)

2.6 m
(2-Stage)

2.6 m
(3-Stage)

Stage Specification

3-Stage	Engine : 1 X 7t Engine Population : 7t Propellant : Liquid propellant (Jet A-1/liquid oxygen)
2-Stage	Engine : 1 X 75t Engine Population : 75t Propellant : Liquid propellant (Jet A-1/liquid oxygen)
1-Stage	Engine : 4 X 75t Engine Population : 300t Propellant : Liquid propellant (Jet A-1/liquid oxygen)



KOREA SPACE LAUNCH VEHICLE-II

한국형발사체 KSLV-II

한국항공우주산업은 국내 주도의 1.5톤급 실용위성을 지구저궤도에 투입할 수 있는 한국형발사체(KSLV-II)의 체계 총조립 개발에 참여하여 우주발사체 개발기술을 확보하고, 이를 활용하여 달 탐사선 자력발사 및 국내/해외의 저궤도 위성의 성공적 발사 서비스를 수행할 계획입니다.

규 격

총길이 (Height)
47.2 m

단수 (Stage)
3-Stage

페이로드 (Payload)
1.5 t

중량 (Weight)
21.4 t
(Empty Weight)

직경 (Diameter)
3.5 m
(1-Stage)
2.6 m
(2-Stage)
2.6 m
(3-Stage)

로켓별 규격

3단 로켓 (3-Stage)	엔진(Engine) : 1 X 7t Engine 추력(Population) : 7t 추진체(Propellant) : 액체추진체 (Jet A-1/liquid oxygen)
2단 로켓 (2-Stage)	엔진(Engine) : 1 X 75t Engine 추력(Population) : 75t 추진체(Propellant) : 액체추진체 (Jet A-1/liquid oxygen)
1단 로켓 (1-Stage)	엔진(Engine) : 4 X 75t Engine 추력(Population) : 300t 추진체(Propellant) : 액체추진체 (Jet A-1/liquid oxygen)