

# *NUL* *Series*

*NUL070R-2*

*NUL090-6*

*NUL120-6*

*NUL180J*

*NUZ090D*

*NUL12W-DR*

*NUL14W-DR*

*NUL14W-DRJ*

*NUX06C*

**NAGANO** *Aerial Work Platform Products*



Crawler Articulating Boom Lifts

# 3 Models with High Reliability and Safety

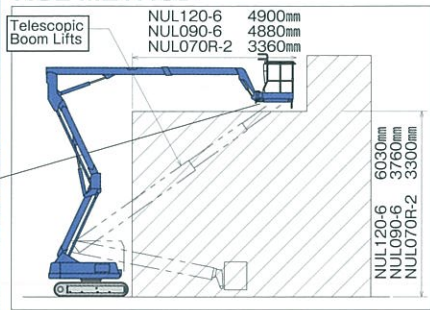
## NUL090-6

Best seller!  
Active in Various Sites

\* The 1st cylinder boot is optional.

Work over obstacles can be achieved. It is unable by telescopic boom lifts.

### NUL METHOD



### SAFETY SYSTEM

- Touch Rope Switch • Lower-Part Priority Switch • Travel Stop Controller (NUL090-6/NUL120-6) • Travel Speed Controller • Body Inclination Angle Alarm • Emergency Stop Device • Foot Switch • Descent Prevention Valve • Operation Alarm (during Travel or Slewing) • Emergency Descent Device (Emergency Pump, or Emergency Descent Valve for NUL070R-2)

### SAFETY PRECAUTIONS

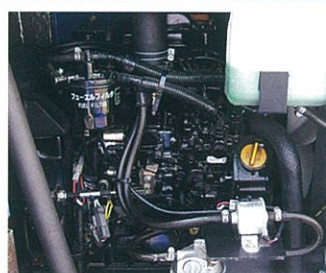
- Requirement of trainings & qualifications to operate the aerial work platforms (AWP), please check the relevant regulations of the country or the region where the AWP is used.

## Main Functions



### Anti-Drop Valves

They prevent the booms from dropping due to accidents like hose breakage.



### Auto Idling Function

Environmentally friendly  
- Engine idles automatically when not in operation.



### Simple Control Panel

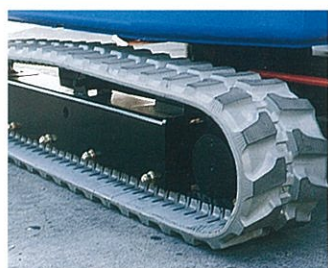
User-friendly layout of levers  
- Easy to operate smoothly.



### Platform Swing Function

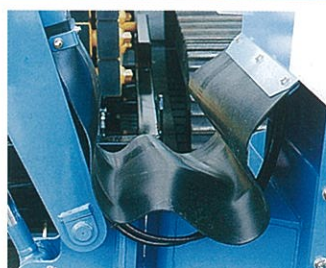
Max swing angles are as below.

	Left	Right
• NUL070R-2	90°	40°
• NUL090-6	90°	45°
• NUL120-6	90°	45°



### Grey Rubber Crawlers

Minimizing scars and marks on the floor.



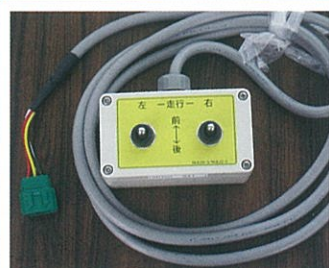
### Rubber Protectors

Hydraulic hoses and cables are protected from falling objects.



### Platform

High safety is ensured by touch rope switch and emergency stopper.



### Travel Remote Controller (Optional)

Travel operation can be controlled. Connected to lower control panel.



## NUL120-6

Smooth Operation  
with Joystick Levers

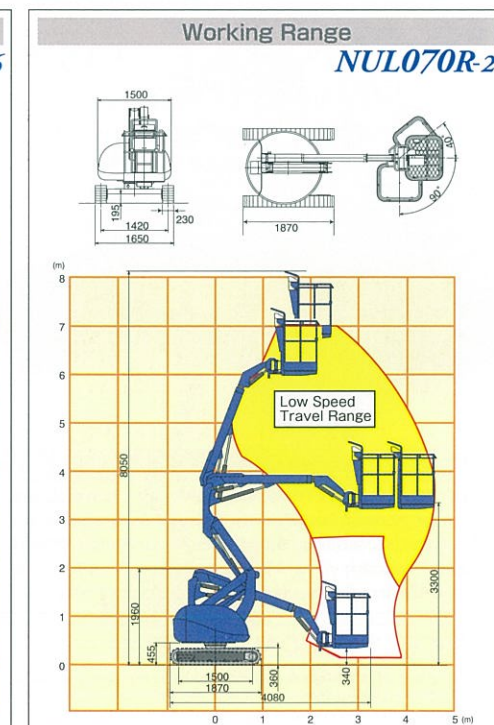
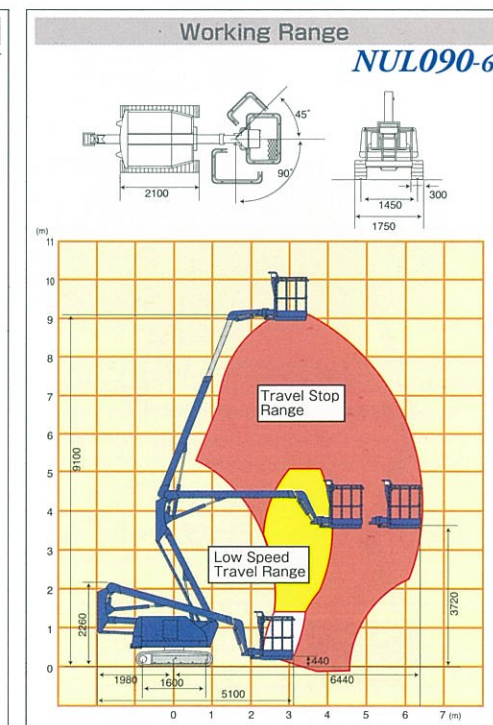
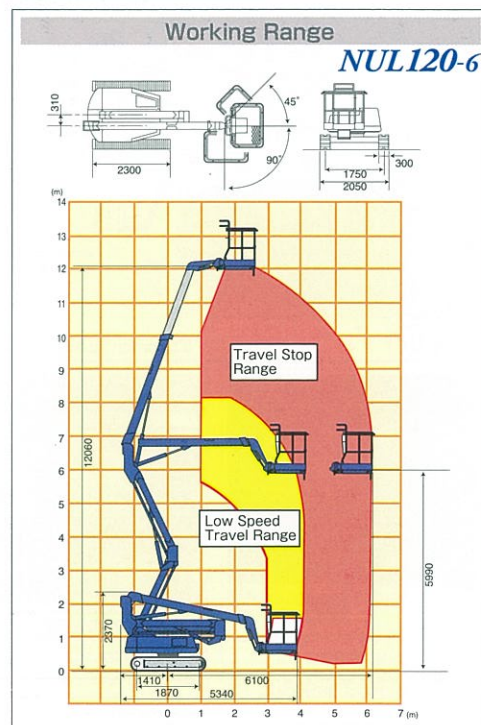
## NUL070R-2

Short Tail Swing Type  
Less worry about rear collision.

\* The 1st cylinder boot is optional.

## SAFETY IMPROVED

- Travel Controllers (All Models)  
- They operate according to platform position.
- Auto Accelerator Function (for NUL090-6 and NUL120-6)  
- Engine revolution increases automatically only in operation.





# awler Articulating Boom Lift

**Weight 9t**

**Over-Reach Length Max 7.3m**

**Convenient Jib**

**Working Range**  
**NUL180J**

1850 2250 400 3120 10° 45°

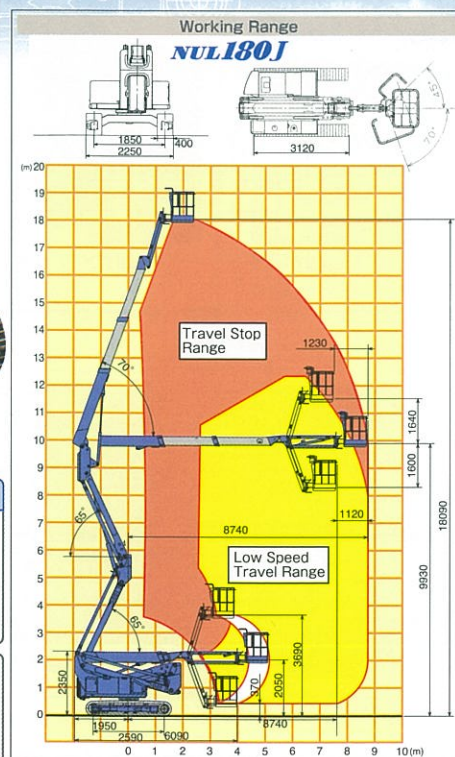
20 19 18 17 16 15 14 13 12 11 10

Travel Stop Range 1230 1640

**Superior Usability NUL180J**

Telescopic Boom Lift 9930 2000

**Main Functions** (C)



## Crawler Heavy Loading Lift

Crawler Heavy Loading Lift  
***NUZ090D***

# Large Platform Lift Capacity Max 600kg

\* Lift capacity includes persons and equipments.

## Platform Motion Control Mode

- Convenient for repair, painting and maintenance work of wall surface

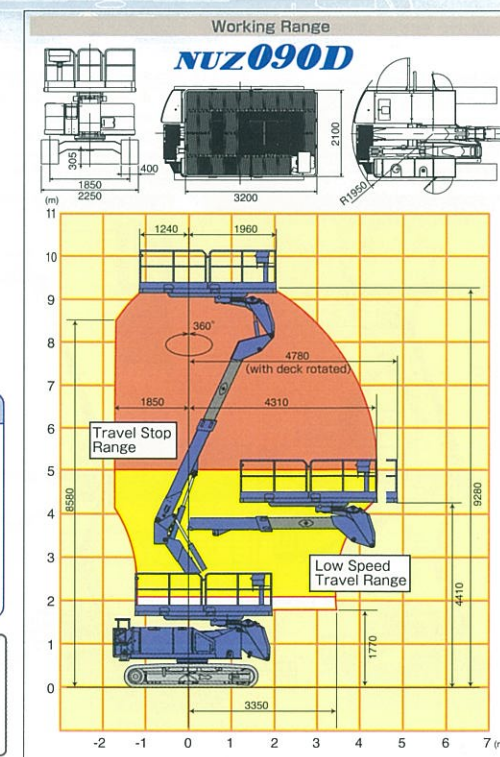


Switching in a Single Key Operation

ON:  
Platform Motion Control  
(Horizontal & Vertical)

OFF:  
Boom Control  
(Telescoping & Lifting)

## 180° Rotatable Platform (90° Right & Left)



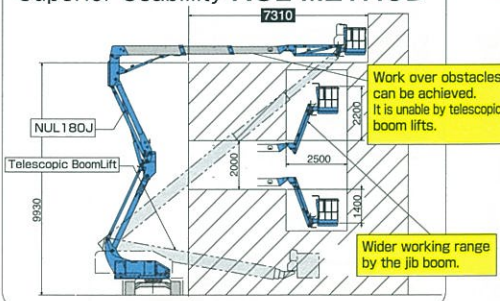
## SAFETY SYSTEM

- Touch Rope Switch
- Travel Stop Controller
- Travel Speed Controller
- Lower-Part Priority Switch
- Body Inclination Angle Alarm
- Emergency Stop Device
- Foot Switch
- Rapid Descent Prevention Valve
- Operation Alarm (during Travel or Slewing)
- Emergency Descent Device (Emergency Pump)

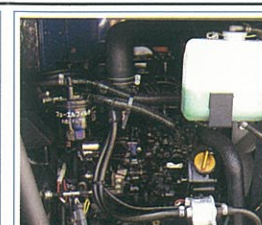
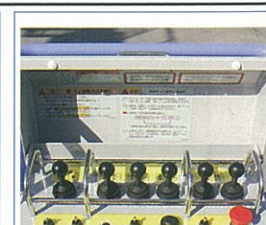
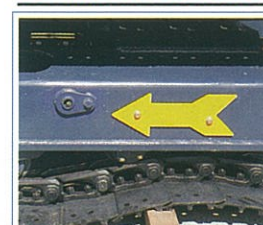
## SAFETY PRECAUTIONS

- Requirement of trainings & qualifications to operate the aerial work platforms (AWP), please check the relevant regulations of the country or the region where the AWP is used.

Superior Usablility **NUL METHOD**



### Main Functions (Common to NUL180J and NUZ090D)



## SAFETY SYSTEM

- Travel Stop Controller
- Travel Speed Controller
- Rear Working Range Controller
- Overloading Alarm
- Body Inclination Angle Alarm
- Emergency Stop Device
- Foot Switch
- Rapid Descent Prevention Valve
- Operation Alarm (during Travel, Slewing, or Boom Operation)
- Emergency Descent Device (Emergency Pump)

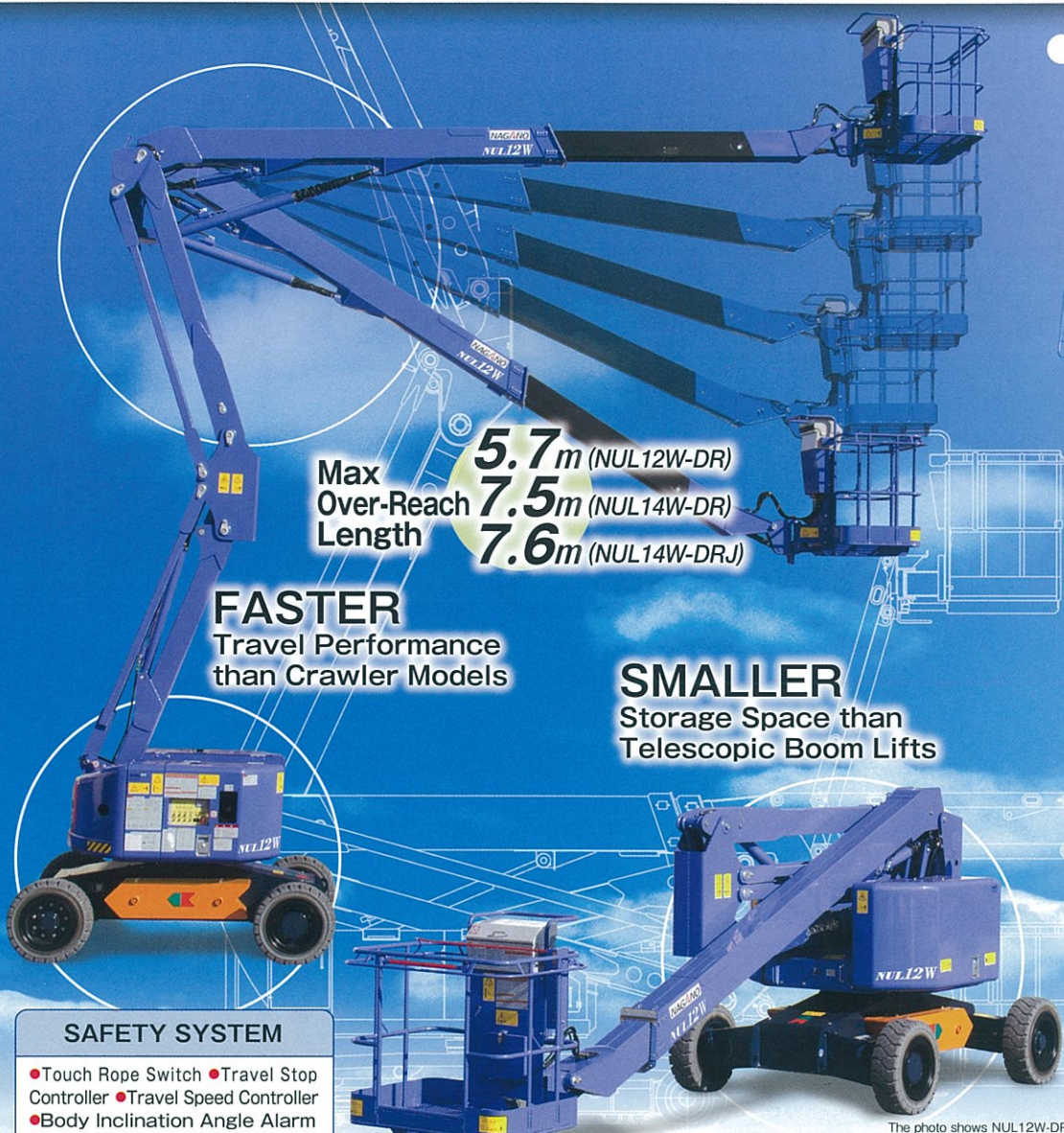
## SAFETY PRECAUTIONS

- Requirement of trainings & qualifications to operate the aerial work platforms (AWP), please check the relevant regulations of the country or the region where the AWP is used.

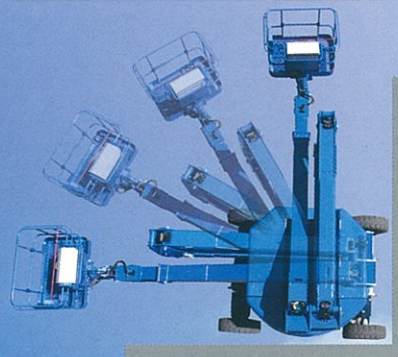


# Wheel Articulating Boom Lifts

## NUL12W-DR • NUL14W-DR • NUL14W-DRJ



### No Collision during Slewing



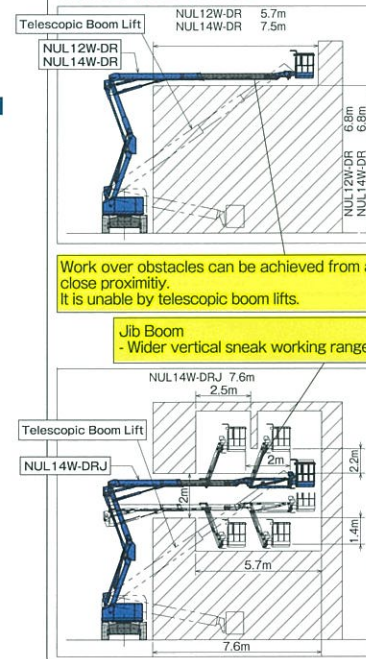
### Wider Working Range



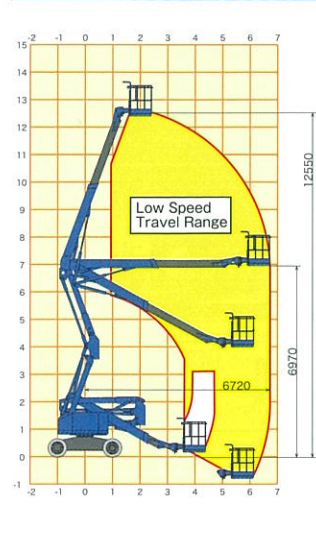
### Easier Maintenance of Engine



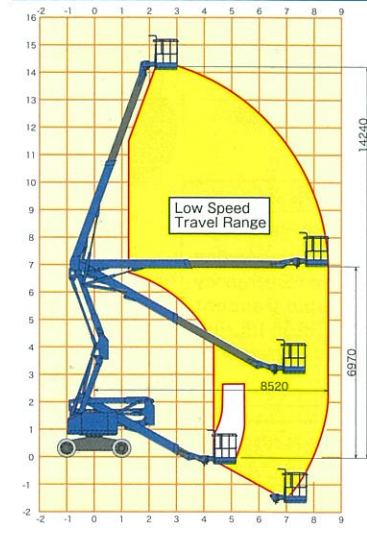
### Superior Usability NUL METHOD



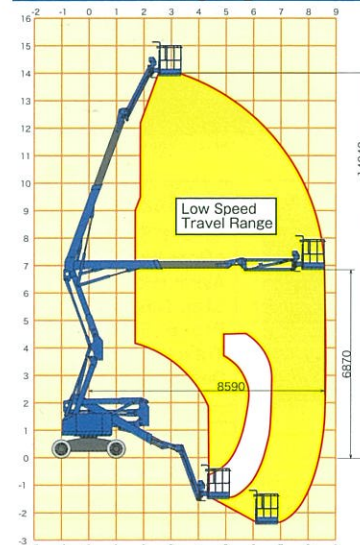
■ NUL12W-DR Working Range



■ NUL14W-DR Working Range



■ NUL14W-DRJ Working Range



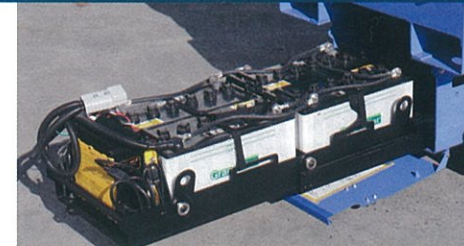
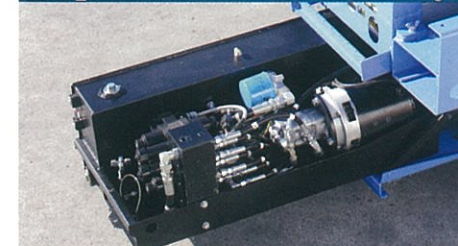
# Crawler Vertical Elevating Lift

## NUX06C

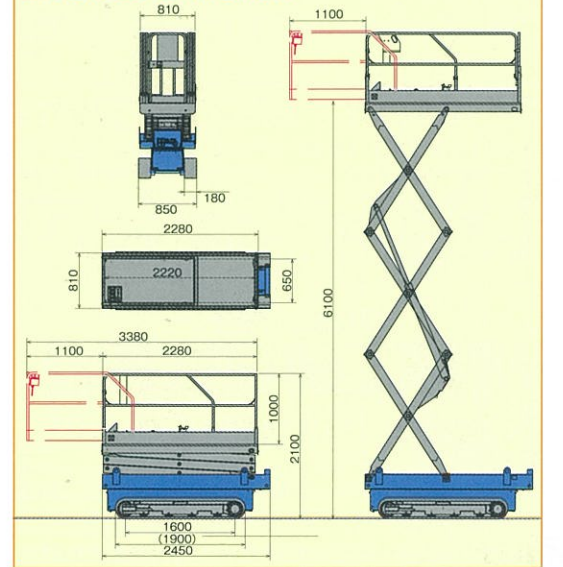


### Main Functions

#### Superior Maintainability



### NUX06C Dimensions





# SPECIFICATIONS

Model	NUL070R-2	NUL090-6	NUL120-6	NUL180J	NUZ090D
<b>●Dimensions</b>					
Length×Width×Height [mm]	4,080×1,650×1,960	5,100×1,750×2,260	5,340×2,050×2,410	5,980×2,250×2,350	3,770×2,250×2,670
Machine Weight [kg]	2,300	3,750	3,830	8,970	7,140
Max / Avg Ground Pressure[kPa (kgf/cm <sup>2</sup> )]	98/35(1.00/0.36)	143/40(1.46/0.41)	113/35(1.15/0.36)	94/43(0.96/0.44)	86/37(0.88/0.37)
<b>●Engine</b>					
Model	D722(KUBOTA)	D1305(KUBOTA)	D1305(KUBOTA)	3CE1(ISUZU)	S3L2(MITSUBISHI)
Rated Output/Revolution[kW/min <sup>-1</sup> ]	7.35/2,000(10ps/2,000rpm)	18.5/2,400(25ps/2,400rpm)	18.5/2,400(25ps/2,400rpm)	21.4/2,400(29ps/2,400rpm)	19.9/2,400(27ps/2,400rpm)
Max Torque/Revolution[N·m/min <sup>-1</sup> ]	39.2/1,800(4.0kgf·m/1,800rpm)	78.8/2,000(8.0kgf·m/2,000rpm)	78.8/2,000(8.0kgf·m/2,000rpm)	107.2/1,440(10.9kgf·m/1,440rpm)	83/2,000(8.5kgf·m/2,000rpm)
Displacement [ℓ]	0.719(719cc)	1.261(1,261cc)	1.261(1,261cc)	1.642(1,642cc)	1.318(1,318cc)
Fuel Capacity [ℓ]	18	40	40	77	77
Fuel Consumption [ℓ/h]	2.4	5.9	5.9	6.3	6.3
<b>●Platform</b>					
Load Capacity [N(kgf)]	1,470(150)	1,960(200)	1,960(200)	1,960(200)	5,884(600)
Internal Dimensions(W×L×H) [mm]	770×620×1,000	1,130×730×1,000	1,130×730×1,000	1,130×730×1,000	2,050×3,150×900
Max Platform Height [m]	6.8	9.1	12.1	18.09	9.28
Max Working Radius [m]	4.5	6.4	6.0	8.7	4.78(with deck rotated)
Swing Angle [deg.]	L90°/R40°	L90°/R45°	L90°/R45°	L70°/R45°	L90°/R90°
<b>●Boom&amp;Slewing</b>					
Extension Length [mm]	800	1,500	2,000	3,600	1,500
Boom Luffing Angle(1st/2nd/3rd)[deg.]	55/70/-	65/70/-	65/65/70	65/65/70	55/65/-
Slewing Angle [deg.]	360	360	360	360	360
<b>●Travel System</b>					
Travel Speed (Low/High) [km/h]	1.0/2.0	0.7/1.3	0.7/1.3	0.9/1.6/2.9	0.9/1.6
Voltage [V]	12	12	12	12	12

Model	NUL12W-DR	NUL14W-DR	NUL14W-DRJ
<b>●Dimensions</b>			
Length×Width×Height [mm]	5,780×1,980×2,330	6,740×1,980×2,330	6,870×1,980×2,400
Machine Weight [kg]	5,305	6,980	6,900
Max / Avg Ground Pressure [kPa(kgf/cm <sup>2</sup> )]	758/459(7.73/4.68)	881/528(8.98/5.38)	937/515(9.55/5.25)
<b>●Engine</b>			
Model	D1105(KUBOTA)	D1105(KUBOTA)	D1105(KUBOTA)
Rated Output/Revolution [kW/min <sup>-1</sup> ]	14.4/2,400(25.2ps/2,400rpm)	14.4/2,400(25.2ps/2,400rpm)	14.4/2,400(25.2ps/2,400rpm)
Max Torque/Revolution [N·m/min <sup>-1</sup> ]	68.6/1,600(7.0kgf·m/1,600rpm)	68.6/1,600(7.0kgf·m/1,600rpm)	68.6/1,600(7.0kgf·m/1,600rpm)
Displacement [ℓ]	1.123(1,123cc)	1.123(1,123cc)	1.123(1,123cc)
Fuel Capacity [ℓ]	41	41	41
Fuel Consumption [ℓ/h]	4.6	4.6	4.6
<b>●Platform</b>			
Load Capacity [N(kgf)]	1,960(200)	1,960(200)	1,960(200)
Internal Dimensions(W×L×H) [mm]	1,130×730×1,000	1,130×730×1,000	1,130×730×1,000
Max Platform Height [m]	12.55	14.23	14.04
Max Working Radius [m]	6.72	8.52	8.59
Swing Angle [deg.]	L90°/R45°	L90°/R45°	L90°/R45°
<b>●Boom&amp;Slewing</b>			
Extension Length [mm]	2,000	2,900	2,000
Boom Luffing Angle(1st/2nd/3rd) [deg.]	70/70/70	70/70/70	70/70/70
Slewing Angle [deg.]	360°	360°	360°
<b>●Travel System</b>			
Travel Speed (Low/Middle/High) [km/h]	0.5/3.0/5.0	0.5/3.0/5.0	0.5/3.0/5.0
Voltage [V]	12	12	12

Model	NUX06C
<b>●Dimensions</b>	
Length×Width×Height [mm]	2,450×850×2,100
Machine Weight [kg]	1,950
Max / Avg Ground Pressure [kPa(kgf/cm <sup>2</sup> )]	39.1(0.399)
<b>●Battery</b>	
Voltage [V]	DC24
Capacity [Ah]	185(5-hour rate)
Charge	AC100V
Battery	6V×4
<b>●Platform</b>	
Load Capacity [N(kgf)]	2,943(300)
Load Capacity(Expanded) [N(kgf)]	1,471(150)/1,471(150)
Max.Platform Height [m]	6.1
Internal Dimensions (W×L×H) [mm]	2,220×650×1,000
Internal Dimensions (Expanded) [mm]	3,320×650×1,000
Max Expansion Length of Platform [mm]	1,100
<b>●Lifting System</b>	
Type	One-End-Fixed, 3-Stage, X-Shaped Type
Lifting Speed (Up/Down) [sec]	45/35
<b>●Travel System</b>	
Travel Speed (Low/High) [km/h]	0.8/1.5
Gradability [% (deg.)]	26.8(15)

## SAFETY PRECAUTIONS

- Be sure to read the operation manual carefully before use.
- Requirement of trainings & qualifications to operate the aerial work platforms (AWP), please check the relevant regulations of the country or the region where the AWP is used.
- Stop the high-lift work under bad weather like heavy wind, heavy rain, heavy snow and lightning.
- Place the machine on a leveled firm ground for the high-lift work.

- \* The International System of Units (SI Units) is used in these specifications. Conventional units are also shown in parentheses.
- \* The machine weight is the base machine mass when carrying a defined quantity of fuel, lubricant, hydraulic oil, and cooling water.
- \* Please note that these specifications are subject to change without prior notice.
- \* Actual products may differ slightly from the photos.