

# ZAT600V653G

## Promotion Datasheet

Sep.2024

**ZOOMLION**

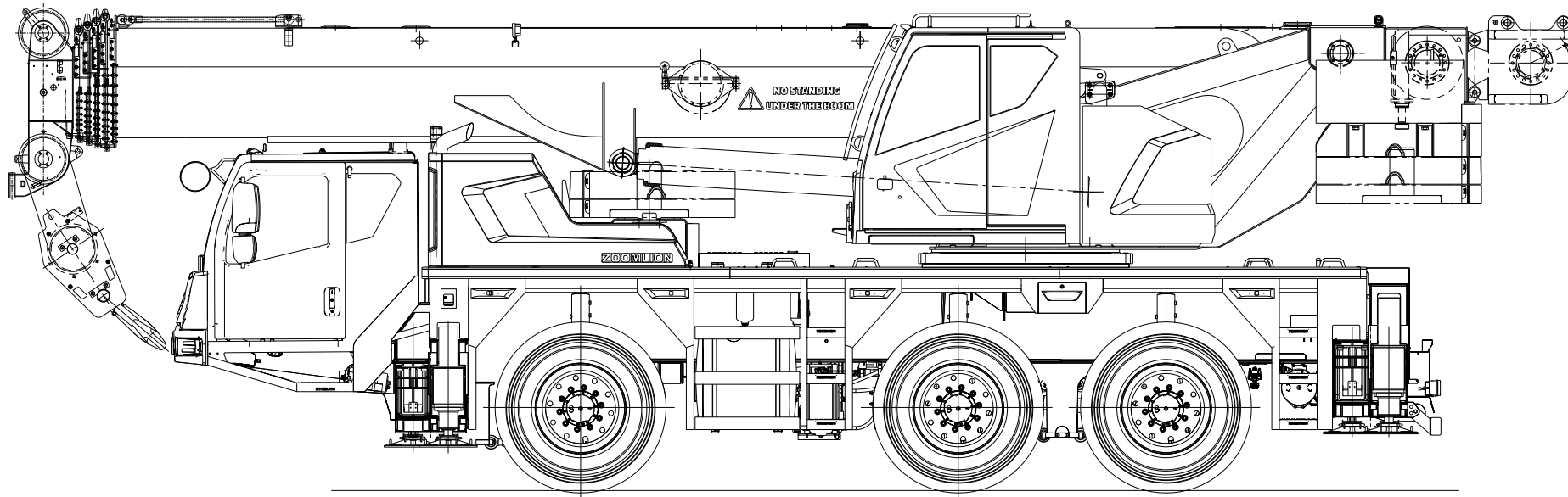
**中联重科股份有限公司**  
ZOOMLION HEAVY INDUSTRY SCIENCE & TECHNOLOGY CO.,LTD.

# 1. Product overview

## ● Basic configurations :

**a、 Common version:** 48m telescopic boom, 16m 2-section jib, 6.4m horizontal outrigger spread, 13t counterweight (3.6+3.6+3.1+2.0+0.7) t , YuchaiYCK10380-S500 engine conforming to Euro V for non-road vehicles, Allison 4500SP automatic transmission, 6×6 drive, Hande Axle, 385/95R25 tires.

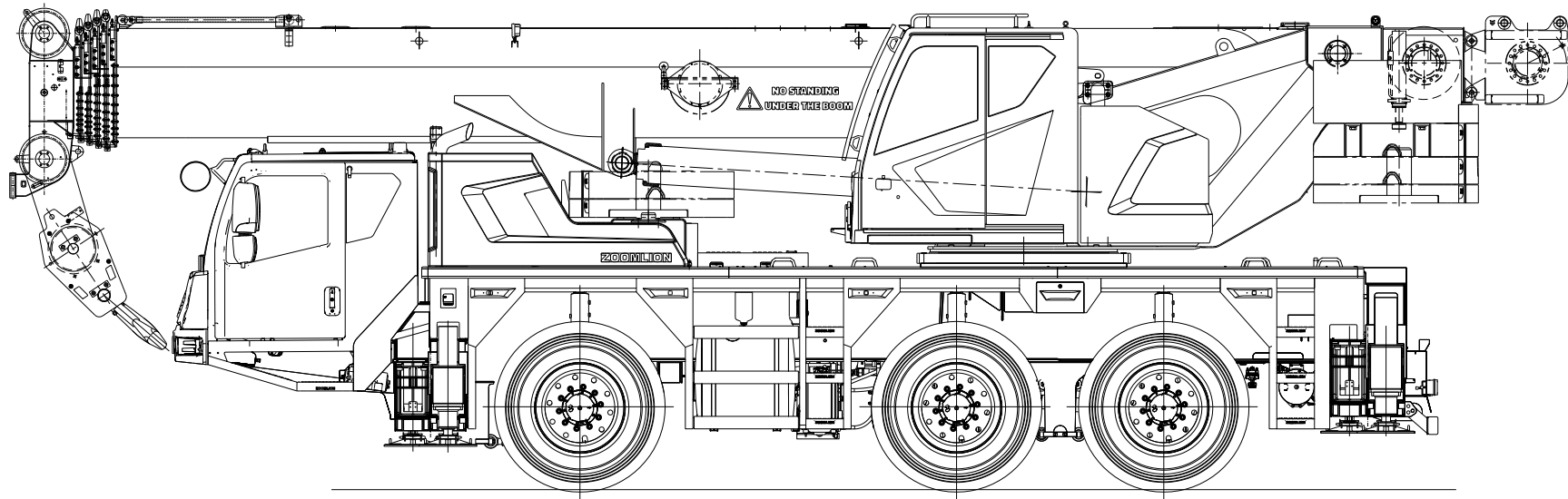
**b、 Premium version:** 48m telescopic boom, 16m 2-section jib, 6.4m horizontal outrigger spread, 13t counterweight (3.6+3.6+3.1+2.0+0.7) t , Mercedes Benz OM470LA engine conforming to Euro V for non-road vehicles, Allison 4500SP automatic transmission, 6×6 drive, Hande Axle, 445/95R25 tires.



# 1. Product overview

## ● Basic configurations :

**c. Optional parts:** 445/525 tires, eddy current brake, 2.5m tip boom, 16m hydraulic derricking jib, 50t anchor hook, 60t hook, 15t hook, auxiliary winch package, sleeper box, tool box, cold start device (for Russian area).

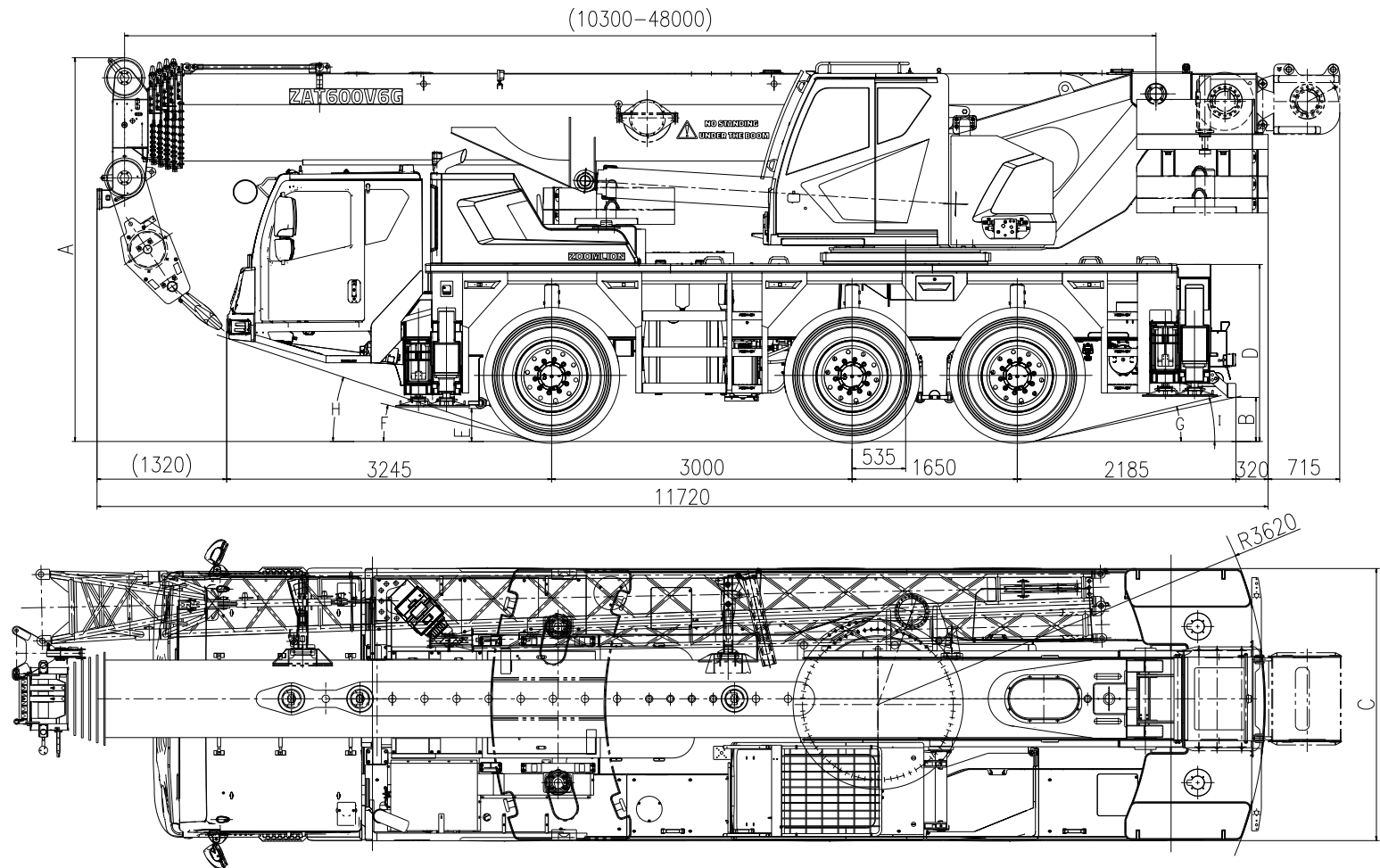


# 1. Product overview

## ● Basic configurations :

Item	Value
Dimension (L*W*H) /mm	11720×2550×3830
Transversal outrigger spread /m	7.46
Longitudinal outrigger spread /m	6.4
Slewing radius /m	3620
Boom length /m	10.3 ~ 48.0
Boom angle /°	-2 ~ 82
Jib length /m	9.5、16.0
Jib angle / °	0、20、40

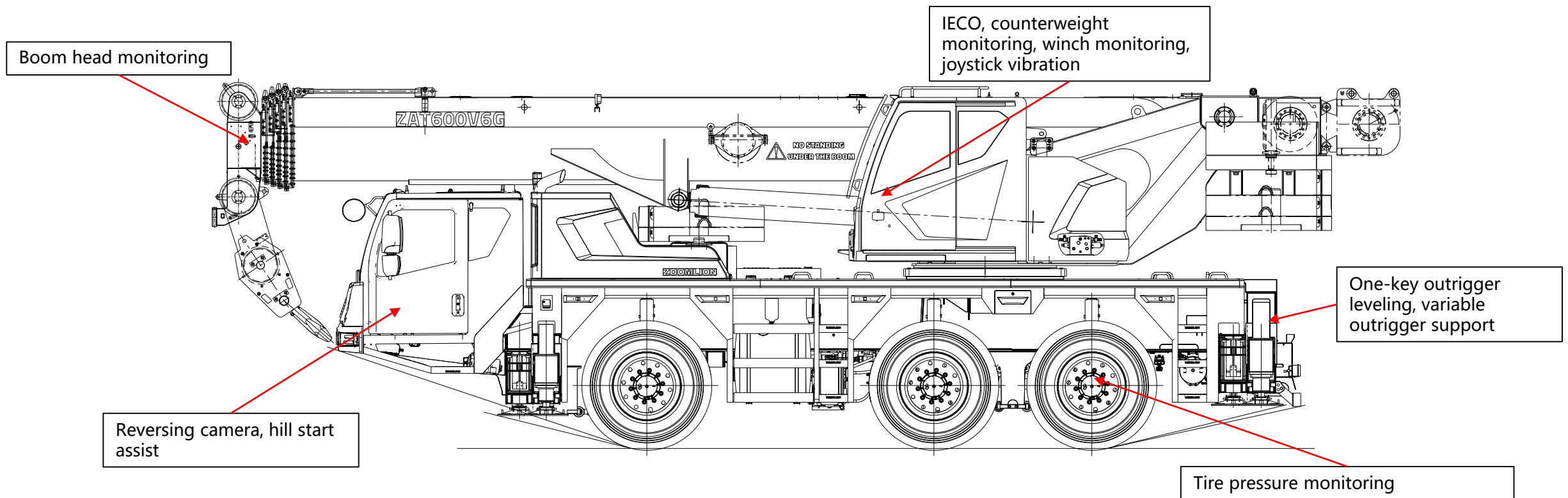
	A	B	C	D	E	F	G	H	I
385/95R25	3830	440	2550	1765	330	14	14	18	12
445/95R25	3880	490	2550	1815	380	16	15	19	14
525/95R25	3880	490	2690	1815	380	16	15	19	14



# 1. Product overview

## ● Basic configurations :

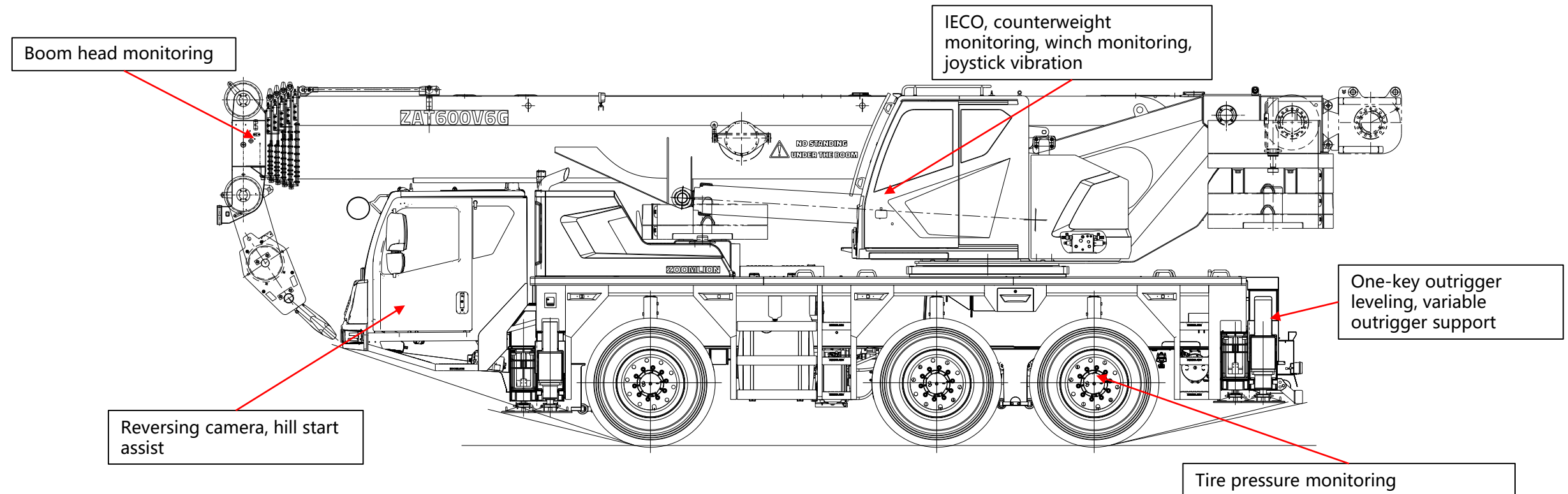
**a. Standard configurations:** reversing monitoring system (reversing camera and radar), hill start assist, tire pressure monitoring, outrigger pressure and length detection, one-key outrigger leveling, counterweight monitoring system, winch monitoring system, axle load monitoring system, virtual wall, IECO, and anemometer.



# 1. Product overview

## ● Basic configurations :

**b. Optional functions:** boom head monitoring, variable outrigger support (premium version), two-in-one controller (premium version) , joystick vibration (premium version).

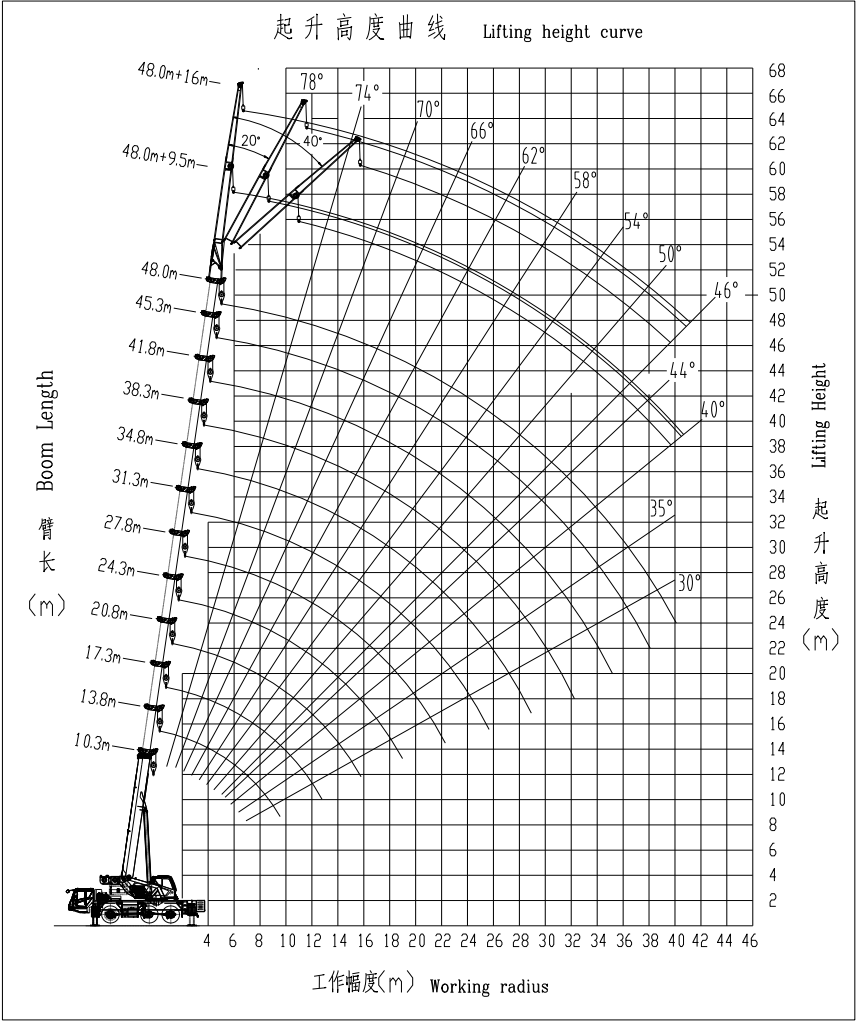


# 2. Major technical parameters

## ●Working performance :

Item	Value
Max. rated lifting capacity/ kg	60000
Max. load moment of boom (fully retracted)/kN.m	1870
Max. load moment of boom (fully extended)/kN.m	980
Max. lifting height with basic boom/m	11.0
Max. lifting height with fully extended boom /m	48.8
Max. lifting height with jib/m	64.5
Max. single rope speed, main winch, m/min	135
Boom derricking up time /s	40
Boom telescoping out time /s	400
Slewing speed r/min	0 ~ 2.0

支腿全伸 6.4m, 13t 配重, 侧方、后方作业															
工作幅 度 (m)	臂长 (m)														工作幅 度 (m)
	10.3 ★★	10.3	13.8	17.3	20.8	24.3	27.8	31.3	34.8	38.3	41.8	45.3	48		
2.1	60.0*														2.1
2.4	58.8														2.4
2.5	58.2														2.5
3.0	54.6	43.0	42.5	41.0	36.0	32.0									3.0
3.5	50.0	43.0	42.5	40.7	35.5	32.0	25.0								3.5
4.0	45.0	40.8	40.5	38.5	35.0	31.0	25.0								4.0
4.5	41.0	37.7	37.5	35.5	34.0	30.5	25.0	20.0							4.5
5.0	37.0	35.3	35.0	33.2	32.0	30.0	25.0	20.0	16.0						5.0
6.0	31.8	29.5	29.5	29.6	28.5	27.0	23.2	20.3	16.0						6.0
7.0	26.5	24.3	24.5	24.0	25.0	24.5	21.3	19.2	16.0	15.0					7.0
8.0			21.1	21.2	21.5	21.0	19.7	17.6	16.0	13.6	11.0	8.8			8.0
9.0			18.2	18.3	18.7	19.0	18.1	16.2	14.4	12.7	10.5	8.8	8.0	9.0	9.0
10			15.5	16.0	16.2	16.1	16.0	15.0	13.4	11.9	10.2	8.8	8.0	10	10
11				13.6	14.0	14.5	14.0	13.8	12.4	11.1	9.7	8.2	7.9	11	11
12				11.6	12.0	12.7	13.0	12.2	11.5	10.3	9.1	7.7	7.4	12	12
13				10.0	10.5	11.0	11.3	11.1	10.7	9.7	8.6	7.3	7.0	13	13
14					9.2	9.7	10.0	9.7	9.8	9.0	8.1	7.0	6.6	14	14
15					8.1	8.6	9.0	8.6	8.8	8.5	7.6	6.8	6.3	15	15
16					7.1	7.6	8.0	7.8	7.9	7.8	7.2	6.4	6.0	16	16
18						6.2	6.6	6.4	6.2	6.5	6.4	5.8	5.5	18	18
20							5.4	5.2	5.2	5.4	5.4	5.2	5.0	20	20
22								4.5	4.3	4.3	4.5	4.7	4.5	22	22
24									3.6	3.6	3.7	3.9	4.2	24	24
26										3.0	3.1	3.3	3.5	26	26
28										2.5	2.5	2.8	3.0	28	28
30											2.1	2.3	2.6	30	30
32											1.8	1.9	2.2	32	32
34												1.6	1.8	34	34
36													1.5	36	36
38													1.3	38	38
40														40	40
倍率	12	10	10	9	8	7	6	5	4	4	3	3	3	倍率	
吊钩	60t														吊钩
伸 缩 方 式	I	1	1	1	2	2	2	2	3	3	3	3	4	I	伸 缩 方 式
	II	1	1	2	2	2	2	2	3	3	3	3	4	II	
	III	1	1	1	1	2	2	2	2	3	3	3	4	III	
	IV	1	1	1	1	1	2	2	2	2	3	3	4	IV	
	V	1	1	1	1	1	1	2	2	2	2	3	4	V	





## 2. Major technical parameters

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### ●Travelling status :

**Status 1:** crane mass  $\leq 36\text{t}$ , single axle load  $\leq 12\text{t}$ , with jib, outrigger pad, and 3.6t fixed counterweight, without main and auxiliary hooks, auxiliary winch, the crane can travel at the highest speed of 80km/h.

**Status 2 :** crane mass  $\leq 36\text{t}$ , single axle load  $\leq 12\text{t}$ , with 5t auxiliary hook, outrigger pad, toolbox/sleeper box, 3.6t fixed counterweight, 0.7t lower counterweight (on chassis frame), without jib, main hook and auxiliary winch, the crane can travel at the highest speed of 80km/h.

**Status 3:** crane mass  $\leq 46\text{t}$ , single axle load  $\leq 15.5\text{t}$ , with 35t main hook, outrigger pads, toolbox, jib, 3.6t fixed counterweight, 3.6t auxiliary counterweight, 3.1t movable counterweight I, 2.0t movable counterweight II, 7t lower counterweight (movable counterweights and lower counterweight are installed on the chassis frame), the crane can travel at the highest speed of 30km/h.

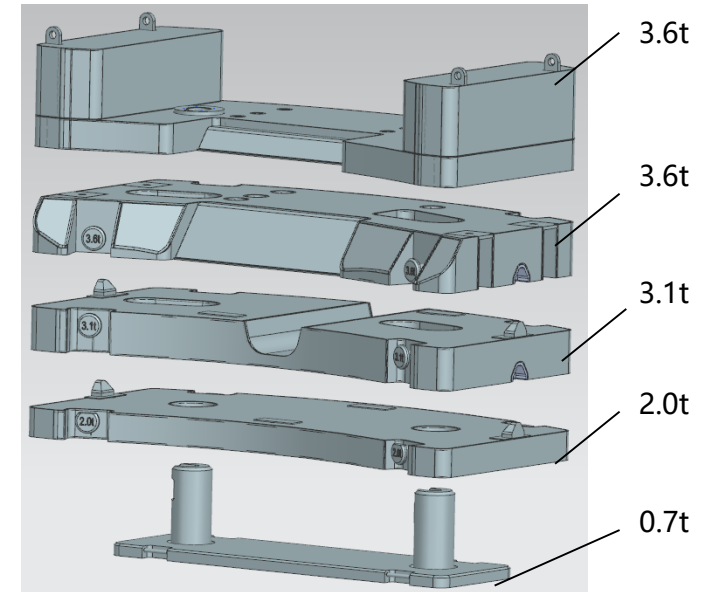
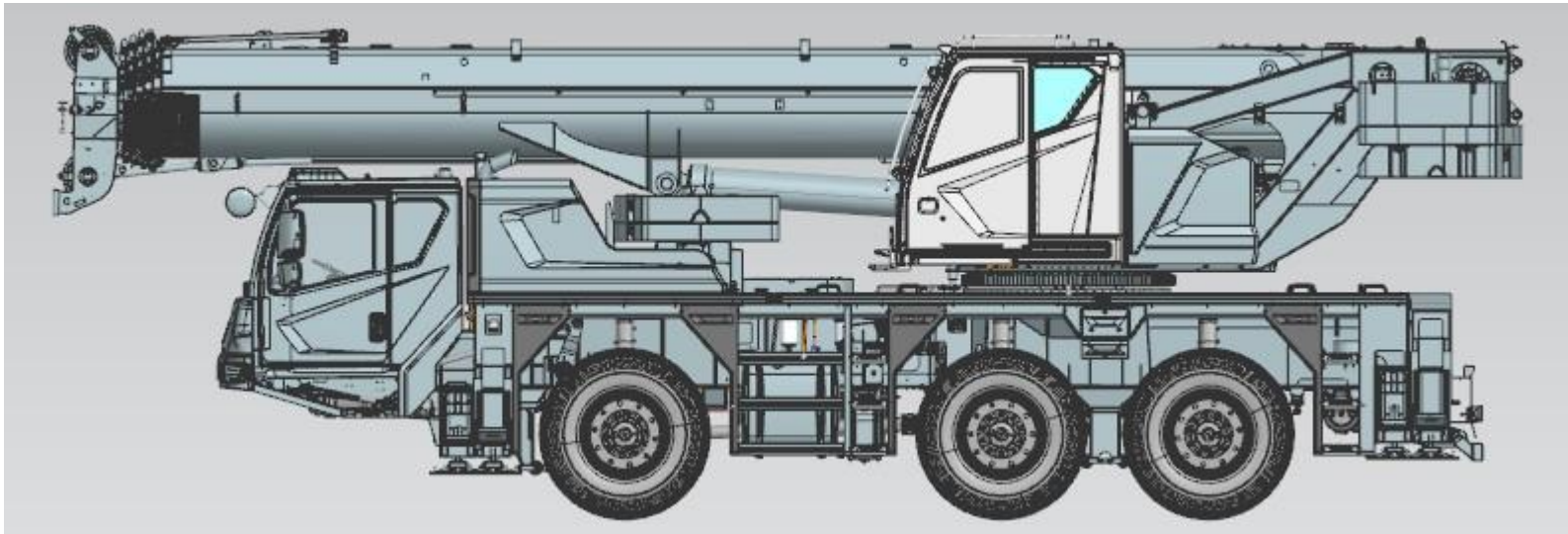
**Note:** minor adjustments may be made on actual cranes.



## 2. Major technical parameters

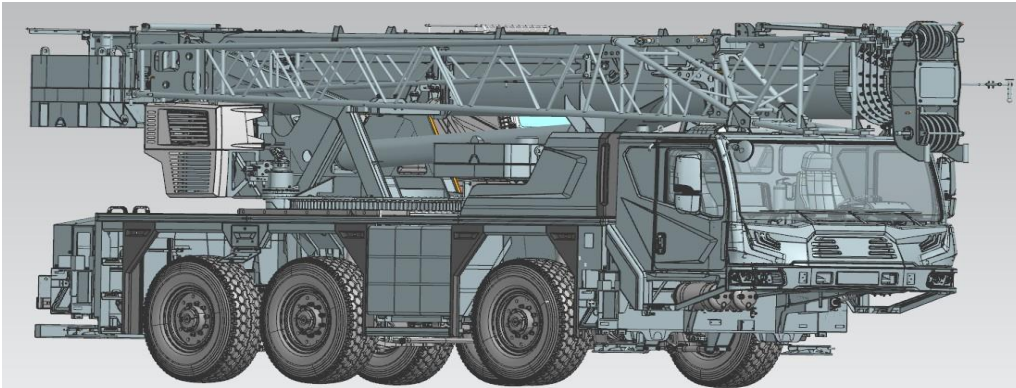
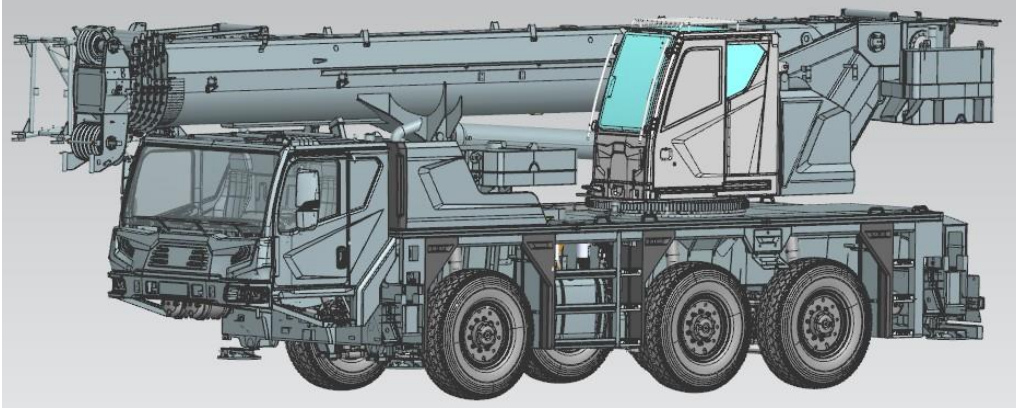
### ●Travelling status :

No.	Combined weight	3.6t fixed counterweight	3.6t auxiliary counterweight	3.1t movable counterweight I	2t movable counterweight II	0.7t lower counterweight
1	3.6t	√				
2	4.3t	√				√
3	9.9t	√	√		√	√
4	11t	√	√	√		√
5	13t	√	√	√	√	√



### 3. Major highlights

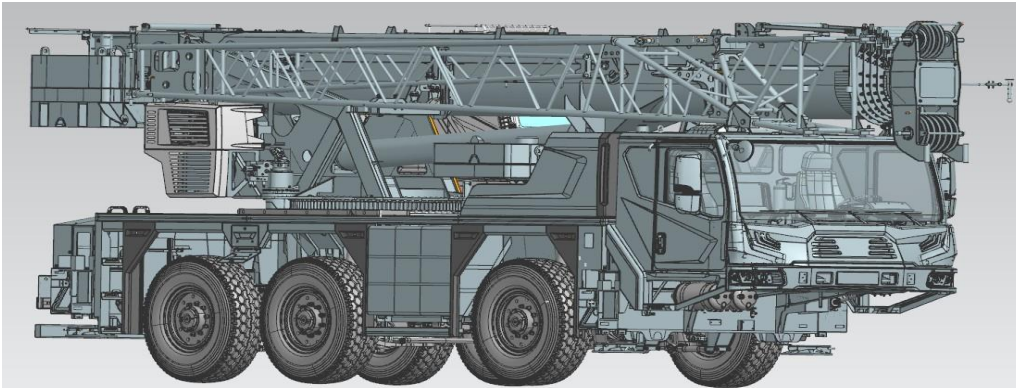
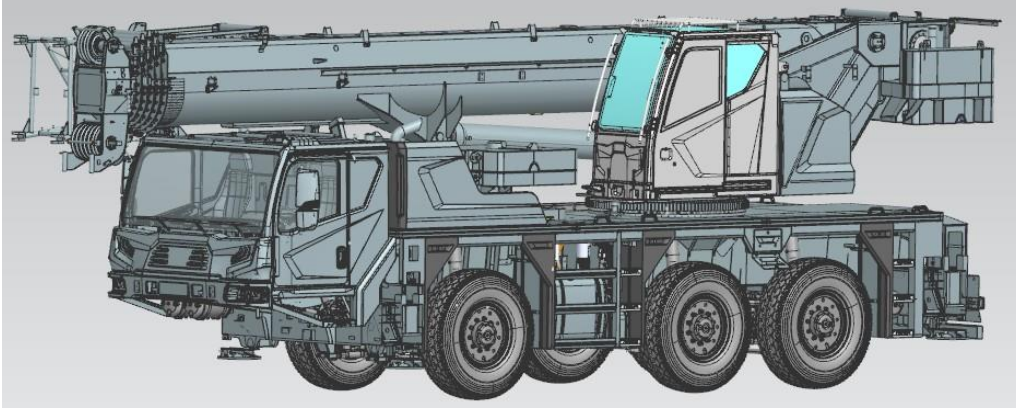
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1. The whole crane conforms to **WVTA certification and CE certification**;
2. **48m telescopic boom with 6 sections**, providing high lifting performance and convenient operations
3. 3-axle all terrain chassis, 6.4m horizontal outrigger spread, 13t counterweight of multiple combinations, **the crane can travel with full counterweight**.
4. Mercedes Benz OM470LA **engine conforming to Euro V for non-road vehicles**
5. Allison 4500SP 6-speed automatic transmission, **realizing smooth startup and gear shift without shock**.

### 3. Major highlights

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- 6. **6×6 full wheel drive steering**, 6 steering modes, Hande Axle, high bearing capacity and reliability.
- 7. Hydra-pneumatic suspension,  $\pm 100\text{mm}$  trip, overall height adjustment, **providing higher driving comfort**.
- 8. Standard configurations: tire pressure monitoring, axle load detection, hill start assist, reversing camera, outrigger pressure and length detection, virtual wall, and IECO, etc.



# THANKS !

