

SANY[®]
QUALITY CHANGES THE WORLD



NORTH AMERICAN TELEHANDLER

SANY MARINE

CONTENTS

As a key division of SANY International, SANY Marine operates from Zhuhai, Guangdong Province, specializes in MPM (RS, ECH), port crane (RTG, RMG, STS, Jib Crane, MHC and SC), and logistics equipment (material handlers, heavy-duty forklifts, ETT, and TH)

North American Telehandler series	▶ 06
Key Features	▶ 08
Attachments	▶ 10
Construction Cases	▶ 12

- ▶ SANY's telehandler portfolio has grown significantly over the years, and as we see a rise in demand for telehandlers over the next five years, SANY has been developing European and North American telehandler ranges.



North American Telehandler series

STH634 STH844 STH1056 STH1256

SANY Fuel Telehandler



Large cab and Axle-mounted stabilizers

- Large cab offers improved operator comfort and reduced fatigue.
- Axle-mounted stabilizers allow for smoother frame leveling when deployed.

Technology platform with advantages

- Sany core technology based on years of technology, such as load matching energy-saving technology, roll-over protection technology.

Pursuit of excellence Reliable and Durable

- Structural components verified by fatigue test
- Comprehensive test was carried out on the whole machine to ensure high reliability.

Listen to American customer requirement

- Listening to our customer requirement and understanding their desire for high reliability, high performance and low cost of usage and maintenance.

High configuration for quality

- Deutz engine, Dana transmission Dana drive axle, Parker hydraulic system.
- Simple maintenance with easy fluid level check and convenient access to maintenance items with side-mounted engine.

2024 Telehandler's Export Parameter Configuration

Group	Main Parameter				Key Parts Configuration							
					Standard Configuration						Optional Configuration	
	Maxload capacity (t)	Max lifting height (mm)	load center (mm)	Min. turning radius (mm)	ENGINE	TRANSMISSION	DRIVE AXLE	MAIN VALVE	MAIN PUMP	Cabin	FORK	
12k Series	5.44	17100	3490	4300	Cummins QSF3.8 T4F (97kW)	DANA Transmission Box T12000	DANA Axle 212-HY/223	Parker Valve	Etlong	Closed cab (with air conditioning)	Forks: 48in, 60in, 72in Carriage: 48in, 60in, 72in Standard fast-fit carriage (Pipe clamp, hook), Rotating side-tilt carriage, Side-shift carriage, Man-platform, 1/15/2.5m³Bucket, Marble handler	
					Cummins QSF3.8 T3(93kW)					Open cab		
					DEUTZ TCD3.6 Tier4F(90kW)	DANA 1120				Closed cab (with air conditioning)		
10k Series	4.54	17100	3490	4300	Cummins QSF3.8 T4F (97kW)	DANA Transmission Box T12000	DANA Axle 212-HY/223	Parker Valve	Etlong	Closed cab (with air conditioning)	Forks: 48in, 60in, 72in Carriage: 48in, 60in, 72in Standard fast-fit carriage (Pipe clamp, hook), Rotating side-tilt carriage, Side-shift carriage, Man-platform, 1/15m³Bucket	
					Cummins QSF3.8 T3(93kW)					Open cab		
					DEUTZ TCD3.6 Tier4F(90kW)	DANA 1120				Closed cab (with air conditioning)		
					Cummins QSF3.8 T4F (97kW)					Closed cab (with air conditioning)		
8k Series	3.63	13400	3420	4300	Cummins QSF3.8 T4 (55kW)	DANA Transmission Box T12000	DANA Axle 212-HY/223	Parker Valve	Etlong	Closed cab (with air conditioning)	Forks: 48in, 60in, 72in Carriage: 48in, 60in, 72in Rotating side-tilt carriage, Side-shift carriage, 1.5m³Bucket	
					Cummins QSR3.8 T3(74kW)					Open cab		
	3.6				DEUTZ TCD3.6 Tier4F(55kW)	DANA 1104				DANA Axle 212-HY/212-HY0151063		Closed cab (with air conditioning)
6K Series	2.722	103545	3140	4200	DEUTZ TD 2.9	DANA Transmission Box T12000	DANA Axle 212	Parker Valve	Casappa	Open cab	Forks: 48in, 60in Carriage: 48in, 60in	
										Closed cab (with air conditioning)		

Key Features



Key Features



Reliability

Strict test on rough terrain
Full-case simulation + test verification



Operability

Great operating visibility
and reverse radar display



Easy maintenance

Hydraulic Manifold
Automatic fault diagnosis
Ground maintenance
Powertrain layout
Attachment change



Intelligent

Real-time display and monitoring of
machine parameters



Reliability

Strict test on rough terrain Rough terrain test

- 300h of road test, the reliability of the chassis has been fully verified. test vehicle in full load operation.

Boom fatigue test platform

- Load telescopic boom by 40000 times test. Each loop with full load based on the load chart. Rigorous testing to ensure the reliability of boom strength.

Full-case simulation + test verification

- Simulation and testing of the entire vehicle through the creation of an Adams-based vehicle dynamics model and digital prototype simulation on a virtual test track.
- The strength of the whole machine structure is analyzed by FEM.

Operability

Great operating visibility and reverse radar display Reversing aid system

- Wide-angle rear camera gives unobstructed view behind the machine.

Operation

- The Load feedback hydraulic system, greatly reduce heating, provides excellent control precision performance to improve operation.

Visibility

- The boom, chassis is designed for maximum visibility, The whole machine has a good all-round visibility to the front, rear and sides.

Easy maintenance

Hydraulic Manifold

- Large space for the Manifold maintenance.

Automatic fault diagnosis

- For real-time display all can identify the fault code, convenient for trouble shooting.

Ground maintenance

- Oil feet, air filters, oil-water separator, oil filter, such as daily maintenance projects can be done on the ground.

Powertrain layout

- Good accessible, all kinds of filter and the replacement of the oil is convenient, troubleshooting and maintenance space is enough.

Attachment change

- Apparels to replace all kinds of fittings by quick change coupling easy replacement.

Intelligent

Real-time display and monitoring of machine parameters

- Integrated screen to show all operation information.
- LLMC (longitudinal load moment control) with 5% accuracy. Weighing system with real-time display of boom length, boom angle, object weight, etc.
- Intelligent protection system; Complete power system monitoring protection system, for the water temperature, the oil temperature is high, the pressure.

► Attachments

60in carriage

(Optional 48in/60in/72in Forks)

▪ Adaptive: 8K/10K/12K



72in carriage

(Optional 48in/60in/72in Forks)

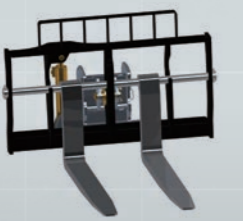
▪ Adaptive: 8K/10K/12K



► Rotating side-tilt carriage

(Optional 48in/60in/72in Forks)

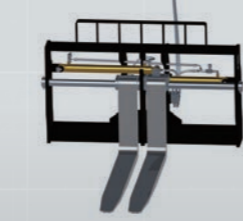
▪ Adaptive: 8K/10K/12K



► Side-shift carriage

(Optional 48in/60in/72in Forks)

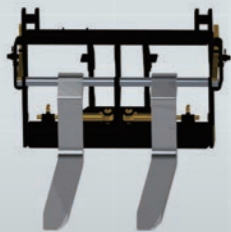
▪ Adaptive: 8K/10K/12K



► Standard fast-fit fork

(60in Forks)

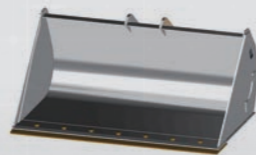
▪ Adaptive: 10K/12K



► Bucket

(1m³)

▪ Adaptive: 10K/12K



► Man-platform

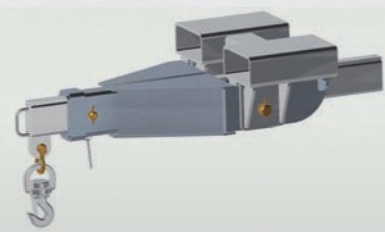
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▪ Adaptive: 10K/12K



► Hook

▪ Adaptive: 10K/12K



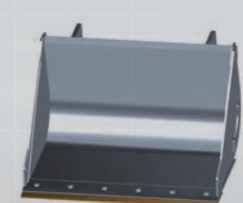
► Pipe clamp

▪ Adaptive: 10K/12K



► 1.5m³ Bucket

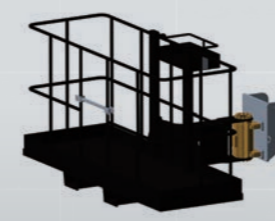
▪ Adaptive: 8K/10K/12K



► Man-platform

(2300*800 Man platform)

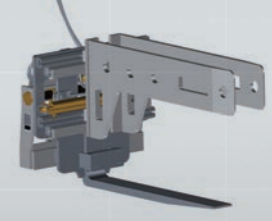
▪ Adaptive: 10K/12K



► Marble handler

(1.5T Slabstone carrier)

▪ Adaptive: 12K



► 48in carriage

(Optional 48in/60in/72in Forks)

▪ Adaptive: 8K/10K/12K



► 48in carriage

(Optional 48in/60in Forks)

▪ Adaptive: 6K



► 60in carriage

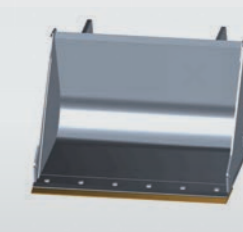
(Optional 48in/60in Forks)

▪ Adaptive: 6K

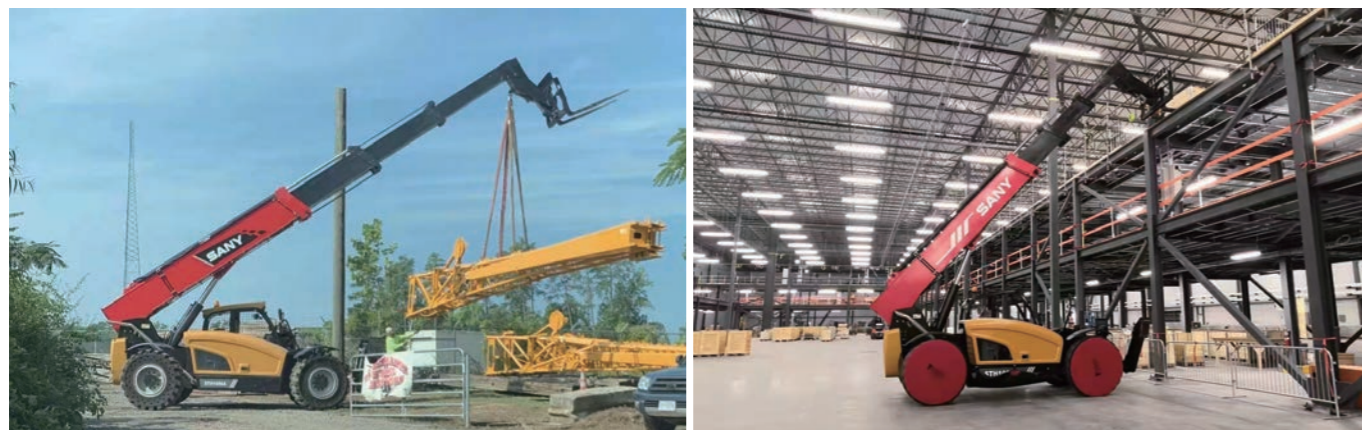


► 2.5m³ Bucket

▪ Adaptive: 12K



► Construction Cases



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900+



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3500+



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