



济南盟泰科技有限公司

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## 1 有多种属具可供选择

A variety of attachments are available

MORN 伸缩臂叉车最大额定载重量为 4 吨，可配备多种属具，满足各种复杂工况。例如：夹具、抓斗、货叉、铲斗、扫雪机、挂钩、筒易平台等。属具更换方便，广泛应用于物流、建筑、制造业，提高工作效率。

MORN telehandlers have a maximum rated load of four tons and can be equipped with a variety of attachments to meet various complex conditions. For example: clamps, grabbers, forks, buckets, snowplows, hooks, simple platforms, etc. Attachments replace easily, widely used in logistics, construction, manufacturing, boosting efficiency.

## 2 伸缩臂坚固耐用

The telescopic arm is sturdy and durable

MORN 伸缩臂叉车配备四节伸缩臂，TH1840 可提升至 17.6 米。它具有出色的伸展性和稳定性。可通过伸缩臂精确控制各种货物任务。臂系统确保稳定性和安全性，在重载或高速操作期间提供出色的控制。

The MORN telehandler can have up to four telescopic arms, with the TH1840 lifting to 17.6 meters. It offers excellent reach and stability. Adjustable arms allow precise control for various cargo tasks. The arm system ensures stability and safety, providing excellent control during heavy-load or high-speed operations.

## 3 ROPS 和 FOPS 驾驶室

ROPS & FOPS cab

MORN 伸缩臂叉装机的驾驶室符合人体工程学，配备 ROPS 和 FOPS 以防翻滚和落物，提高了恶劣环境下的安全性。配备负压空气循环系统和高效的冷暖空调，可减轻驾驶员疲劳并确保舒适度。驾驶室的设计提供宽广的视野，最大限度地减少视觉障碍并提高驾驶员在操作过程中的安全性。

The MORN telehandler's ergonomic cab features ROPS & FOPS for rollover and falling object protection, enhancing safety in harsh environments. Equipped with a negative pressure air circulation system and efficient HVAC, it reduces driver fatigue and ensures comfort. The cab's design offers all-round visibility, minimizing visual obstruction and enhancing driver safety during operation.

## 4 机身可以倾斜或调平

The body can be tilted or leveled

伸缩臂叉车车身设计灵活，适应性强，可根据各种作业需要和场景轻松实现倾斜或调平，确保在复杂的作业环境下作业性能稳定，提高工作效率和安全性。

The body design of the telehandler is highly flexible and adaptable, capable of easily tilting or leveling according to various operational needs and scenarios thereby ensuring stable operational performance in complex working environments, enhancing work efficiency and safety.

## 5 液压支撑腿

Hydraulic support legs

伸缩臂叉装机上的液压支撑腿可提供稳定支撑、增强承载能力和确保平衡，从而提高性能。其高度的可调节性和伸缩功能可适应各种地形，加快工作效率并降低风险，同时保障操作员的安全。

Hydraulic support legs on telehandlers boost performance by providing stable support, enhancing carrying capacity, and ensuring balance. Their adjustable height and telescoping adapt to various terrains, accelerating work processes and reducing risks, while safeguarding operator safety.

## 6 意大利卡拉罗驱动桥

Italian Carraro drive axle

带有负载传感器的意大利卡拉罗车桥确保精确控制和稳定性。MORN 伸缩臂叉装机的传动装置在高速、高温和自动冷却方面表现出色。成熟的技术使卡拉罗更加可靠，尤其是在极端气候条件下，并提供全球支持，便于维护。

The Italian Carraro Bridge with a torque sensor ensures precise control and stability. The MORN telehandler's transmission excels in high-speed, heat resistance, and self-cooling. Proven technology makes Carraro more reliable, especially in extreme climates, with global support for easy maintenance.



# MORN

## 伸缩臂叉装车

### MORN TELEHANDLER

TH1840 | TH 1440 | TH 740



#### **TH1840**

起升高度: **17.6M**  
Lifting height  
载重量: **4000KG**  
Loading capacity

#### **TH1440**

起升高度: **13.5M**  
Lifting height  
载重量: **4000KG**  
Loading capacity

#### **TH740**

起升高度: **7M**  
Lifting height  
载重量: **4000KG**  
Loading capacity

### **变革性的速度**

Revolutionary Speed

采用负载敏感阀后补偿技术, 动态调节流量, 根据负载保证合理的流量, 使运行速度提高15%, 缩短运行周期, 提高整体效率。  
The load-sensitive post-valve compensation technology dynamically adjusts flow, ensuring ample supply based on load. This boosts operating speed by 15%, slashing cycles and enhancing overall efficiency.

### **并行能力**

Parallel Prowess

该系统针对多任务处理进行了优化, 可同时平稳执行提升、伸缩和调平。即使在具有挑战性的条件下也能保持效率, 最大限度地减少等待时间。  
Optimized for seamless multitasking, the system smoothly executes lifting, rotating, and telescoping simultaneously. It maintains efficiency even in challenging conditions, minimizing downtime.

### **安全性**

Safety

宽阔的视野、清晰的仪表显示, 使驾驶员准确掌握设备状况, 确保操作安全无忧。  
Wide field of view and clear instrument display allow the driver to accurately grasp the status of the equipment and ensure safe and worry-free operation.

### **舒适度**

Comfortability

驾驶舱采用人机工程学设计, 保证驾驶员在长时间操作中保持舒适性。优化的操控布局使各种操作触手可及, 大大提高了操作的便捷性。  
The cockpit adopts ergonomic design to ensure that the driver can maintain comfort during long-term operation. The optimized control layout makes various operations within reach, greatly improving the convenience of operation.

### **多功能性**

Versatility

设备还支持快速更换铲斗、货叉、平台等不同属具, 配合相应的专业作业模式, 瞬间变身为满足多种作业需求的得力工具。  
The equipment also supports the quick replacement of different attachments, such as buckets, forks, platforms, etc. and with the corresponding professional operation mode, the equipment can instantly transform into a powerful tool that meets a variety of operating needs.

### **灵活性**

Flexibility

盟泰伸缩臂叉装车提供三种转向模式, 适应不同作业场景需求, 无论是狭小空间的灵活作业, 还是开阔区域的快速移动, 都可轻松应对。  
MORN telehandler provides three steering modes to adapt to the needs of different operating scenarios. Whether it is flexible operation in a narrow space or rapid movement in an open area, it can be easily handled.

### **自动调节**

Intelligent Adaptability

利用阀后补偿, 系统可以在不同负载下自动调整至最佳性能, 确保稳定性和效率。其智能设计简化了操作并增强了设备的可靠性和使用寿命。  
Harnessing post-valve compensation, the system auto-adjusts to optimal performance across varying loads, ensuring stability and efficiency. Its smart design simplifies operation and fortifies equipment reliability and longevity.

### **定制性**

Customized Performance

定制的速度和压力模式可适应不同的附件, 切换铲斗可触发最大流量和压力, 从而增强挖掘力和速度; 平台模式可获得稳定连续的流量, 以实现精确的流体精细工作。  
Tailored speed and pressure modes cater to different attachments switching buckets triggers max flow and pressure for enhanced digging power and speed; platforms get a stable, continuous flow for precise fluid fine work.

### **温控驾驶室**

Climate-Controlled Cab

先进冷暖空调和空气循环系统让您四季如春。  
Advanced AC/heating & fresh air systems maintain optimal spring-like temperatures year-round.

### **智能停车解决方案**

Smart Parking Solution

自动和手动模式的无缝融合, 便于操作, 尤其是在复杂的环境中。  
Seamless blend of auto & manual modes for easy maneuvering, especially in complex environments.

### **创新性和耐用性**

Innovative Strength & Durability

每台伸缩臂叉装车都融合了创新和成熟技术, 拥有坚固的机身和伸缩臂, 由高强度钢制成, 确保稳定性和使用寿命。独特的滑块设计, 自润滑材料和防尘功能, 在具有挑战性的条件下提高了性能。  
Blending innovation with proven technology, each telehandler boasts a sturdy body and arm crafted from high-strength steel ensuring stability and longevity. Unique slider design with self-lubricating materials and dust-proof features enhances performance under challenging conditions.

### **严格测试**

Rigorous Testing

对关键部件进行全面的负载耐久测试, 验证整个产品生命周期的质量和可靠性, 确保为用户提供最佳性能。  
Comprehensive load endurance tests on key components validate quality and reliability throughout the product lifecycle, ensuring optimal performance for users.

## 精密负载传感

Precision Torque Sensing

毫秒级响应监控负载变化，立即切断不安全操作，防范风险。

Millisecond response monitors load changes, instantly cuts off unsafe ops for risk prevention.

## 双回路制动器

Dual-Circuit Brakes

电子控制的双回路设计确保即使在极端条件下也能可靠制动。

Electronically controlled, dual backup design ensures reliable braking even in extreme conditions.

## 加固驾驶室

Reinforced Cab

经过 ROPS 和 FOPS 认证，具有安全结构顶板和可选前格栅，可提供 360° 保护。

ROPS & FOPS certified, with thick structure top plate, & optional front grille for 360° protection.

## 智能安全功能

Smart Safety Features

油缸保护阀、带倒车辅助和障碍物警报的图像辅助系统最大限度地减少盲点，提高安全性和效率。

Oil cylinder protection valve, image-assisted system with reversing aids & obstacle alerts minimize blind spots, boosting safety & efficiency.

## 前轴双轮转向

Two-wheel steering on the front axle

专为高速公路和日常驾驶而设计，确保稳定的直线行驶和高效的通过性。

specially designed for high speed road and daily driving, ensuring stable straight line driving and efficient passability.

## 独特的蟹型转向模式

Unique crab walking mode

实现精准的左右定位，即使靠近墙壁或障碍物也能保证稳定控制，确保作业精度和效率。

Achieve precise left and right positioning, and ensure stable control even when close to walls or obstacles, ensuring operating accuracy and efficiency.

## 延长设备寿命

Extended equipment life

自动调平功能减少了由于负载不平衡对设备造成的额外磨损，从而降低了维护成本，有效延长了设备的使用寿命。

The automatic leveling function reduces additional wear and tear on equipment caused by load imbalance thereby reducing maintenance costs and effectively extending the service life of equipment.

## 前轴和后轴均采用四轮转向

Four-wheel steering on the front and rear axles

在狭小空间中展现非凡实力，大幅缩小转弯半径，灵活避障，确保作业安全无忧。

It shows extraordinary strength in a small space. By greatly reducing the turning radius it can flexibly avoid obstacles and ensure safe and worry free operations.

## 标准尖端技术

Standard cutting-edge technology

TH1840 标配自动调平功能，可实时监控并自动调整设备姿态，保证负载在变幅过程中始终保持水平，有效防止物料洒漏和安全事故的发生。

TH1840 comes standard with an automatic leveling function, which monitors and automatically adjusts the posture of the equipment in real time to ensure that the load always remains horizontal during the luffing process, effectively preventing material spillage and safety accidents.





## 多控制操纵杆

### Multi-Control Joystick

一个操纵杆允许操作员管理多个功能。提升和倾斜功能以及吊臂伸展，所有这些都通过一个操纵杆完成。此功能可实现精确的负载提升，并有助于从单个控制点同时使用多种机器功能。操作员无需将手从操纵杆上移开即可实现更高的精度和生产率。此外，指尖控制访问使操作伸缩臂叉装机既轻松又舒适。

One joystick allows the operator to manage travel direction, lift and tilt functions, as well as boom extension, all with a single joystick. This capability enables precise load lifting and facilitates the simultaneous use of multiple machine functions from a single control point. Operators can achieve greater precision and productivity without needing to remove their hand from the joystick. Additionally, the fingertip control access makes operating the telehandler both easy and comfortable.



## 交互式展示

### interactive display

专为伸缩臂叉装机的工作需求而设计，集成蓝牙收音机、麦克风和扬声器，提供全面、即时的操作信息。当您操作伸缩臂叉装机倒车时，显示屏会自动显示后方摄像头的实时图像。这种设计大大扩展了您的视野，特别是在视野有限或光线不足的环境中，可以帮助您清晰地观察后方的路况，确保驾驶员在驾驶过程中安全无忧。

Designed for the working needs of telehandlers, it integrates a Bluetooth radio, microphone and speaker to provide comprehensive and immediate operating information. When you operate the telehandler to reverse, the display automatically displays the real-time image of the rear camera. This design greatly expands your field of vision, especially in environments with limited vision or low light, and can help you clearly observe the road conditions behind, ensuring the driver's safety and worry-free during driving.



## 高效空调

### Efficient Air Conditioning

驾驶室配备负压/新风循环系统和高效冷暖空调，缓解您在操作过程中的疲劳。空调装置集成在机器中，没有笨重的附加装置遮挡您的视线或妨碍您的行走。它在任何天气条件下都能提供更大的舒适度。

The cab is equipped with a negative pressure/fresh air circulation system and efficient heating and cooling air conditioning to relieve your fatigue during operation. The air conditioning unit is integrated into the machine, without bulky additional devices to block your sight or hinder your walking. It can provide greater comfort in any weather conditions.

## 空气悬浮座椅

### Air Suspension Seat

空气悬浮座椅隔离振动的直接传导，有效降低叉车在行驶过程中产生的振动和冲击。驾驶员可根据自身需求调节座椅内气囊压力，以达到最佳减振平衡点，从而提供出色的平顺性。空气悬浮座椅还可进行个性化调节，让驾驶员根据个人喜好和驾驶条件调整座椅状态。

The air suspension seat isolates the direct conduction of force waves, effectively reducing the vibration and impact generated by the telehandler during driving. The driver can adjust the airbag pressure in the seat according to his own needs to achieve the best vibration reduction balance point, thereby providing excellent smoothness. The air suspension seat can also be adjusted individually, allowing the driver to adjust the seat state according to personal preferences and driving conditions.



## 宽阔的视野

### 360°Visibility

全玻璃驾驶室设计为驾驶员提供了宽阔的视野。全玻璃材质不仅保证了视野开阔清晰，还大大提升了室内亮度，让驾驶员在任何作业环境下都能轻松看清周边情况。无论是进行精准的货物搬运，还是穿梭于复杂多变的工地，这一设计都能显著提高驾驶员的反应速度和操作精准度，从而确保作业高效安全。

The all-glass cab design provides the driver with unparalleled 360° panoramic visibility. The all-glass material not only ensures a wide and clear field of vision, but also greatly enhances the indoor light brightness, allowing the driver to easily see the surrounding situation in any operating environment. Whether carrying out precise cargo handling or shuttling through complex and ever-changing work sites, this design can significantly improve the driver's reaction speed and operational accuracy, thereby ensuring efficient and safe operations.

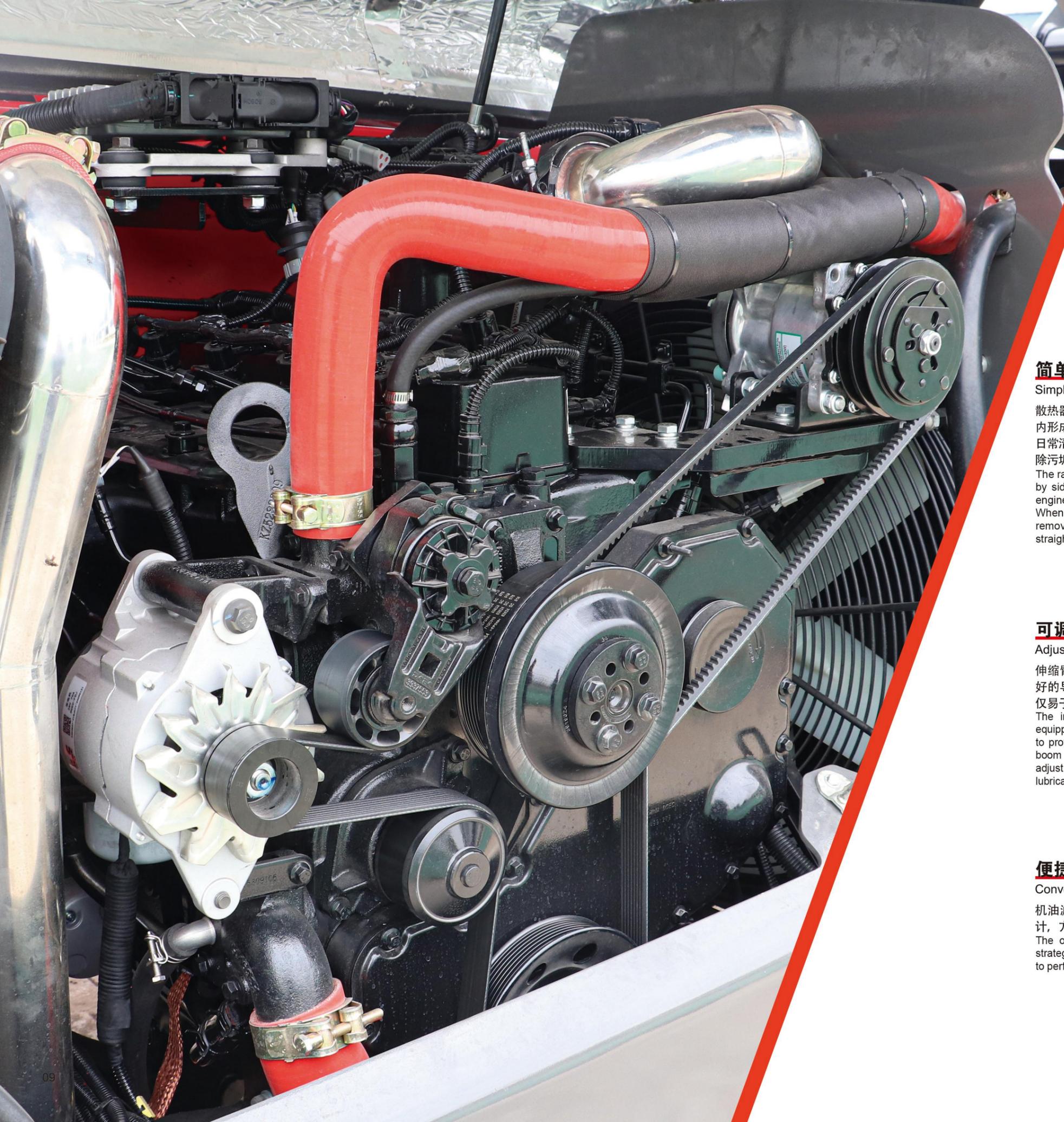


## led 灯

### Led Lights

LED 工作灯经过精心设计，安装在机器上，包括驾驶室的前部、后部和后部工作臂，确保您拥有在弱光环境下高效工作或将工作时间延长至晚间所需的照明。

LED work lights are thoughtfully positioned on the machine, featuring lights on the front, rear, and the back frame of the cab, ensuring that you have the illumination required to work efficiently in low-light environments or to extend your workday into the evening hours.



# 伸缩臂叉车装车 发动机

## TELEHANDLER ENGINE

### 简单的冷却系统清理

Simple cooling system cleanout

散热器、油冷器和风扇并排安装，在发动机舱内形成一个井然有序的空间，方便用户使用。日常清洁时，可利用机器自带的反吹系统，清除污垢和碎屑的过程快速而直接。

The radiator, oil cooler, and fan are installed side by side, creating a well-organized space in the engine compartment for easy access by users. When cleaning is needed, the process of removing dirt and debris is quick and straightforward.

### 可调式吊杆导轨

Adjustable boom guides

伸缩臂的内角装有耐磨尼龙垫，旨在提供更好的导向并有效减少臂的摆动。这些导轨不仅易于调整，而且几乎不需要维护。

The inner corners of the telescopic boom are equipped with wear-resistant nylon pads, designed to provide better guidance and effectively reduce boom sway. These guides are not only easy to adjust but also require minimal maintenance and lubrication.

### 便捷的滤油器维护设计

Convenient oil filter maintenance design

机油滤清器和其他维护点的位置经过精心设计，方便用户执行简单、快速的维护任务。

The oil filter and other maintenance points are strategically located to allow easy access for users to perform simple and quick maintenance tasks.

### 双级空气过滤系统

Dual-stage air filtration system

鉴于该机器的多功能性，确保持续正常运行至关重要，而这首先要从双级空气过滤系统开始。新式预滤器的使用，根据作业环境可以减少90%以上的灰尘进入滤芯，减少80%的更换滤芯成本。

Given the versatility of this machine, ensuring continuous uptime is crucial, and it starts with the dual-stage air filtration system.

### 服务分析功能

Service analysis feature

通过此功能，您的经销商可以轻松地将机器性能数据（包括故障、警告代码和其他信息）下载到笔记本电脑上，以便快速诊断和修复机器问题。

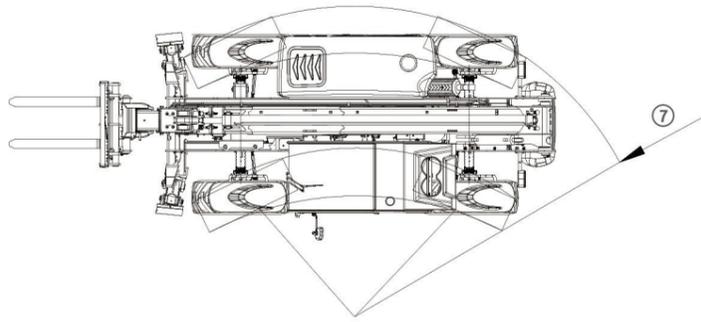
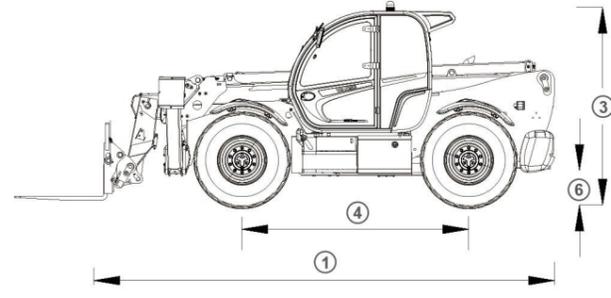
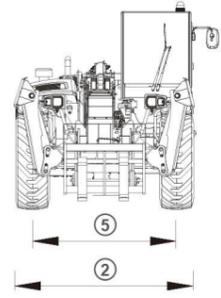
With this feature, your dealer can easily download machine performance data, including faults, warning codes, and other information, to a laptop for quick diagnosis and repair of machine issues.

### 易于维修保养的设计

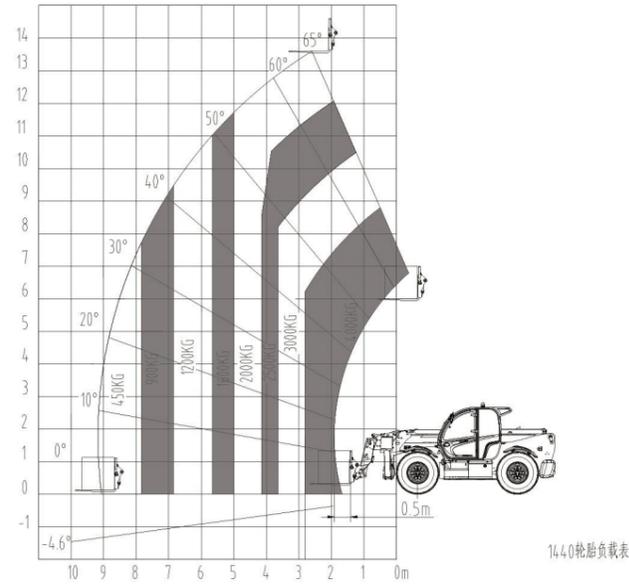
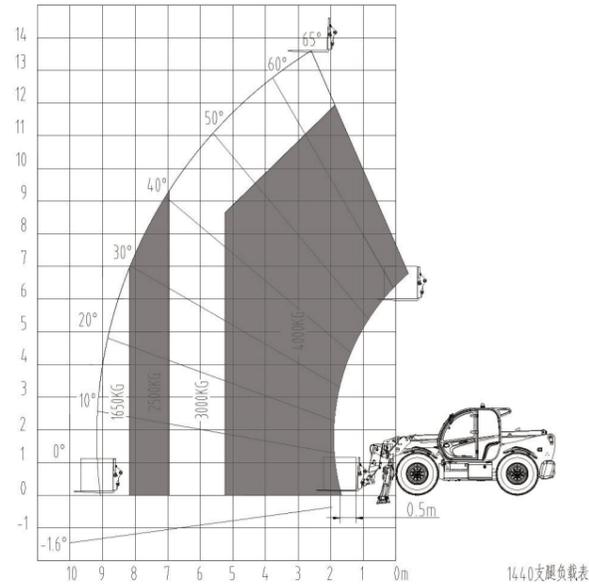
Engine-easy access design

采用侧置发动机布局，这种设计极大地促进了日常的维护检查工作，使得滤清器的更换以及其他发动机关键部件的检查变得触手可及，从而显著提升了维护的便捷性与效率。

The side-mounted engine design makes routine maintenance checks, filter replacements, and inspections of other engine components within easy reach.



机器型号 Model Machine	TH 1440
①	6320mm
②	2420mm
③	2812mm
④	3070mm
⑤	1960mm
⑥	430mm
⑦	4200mm



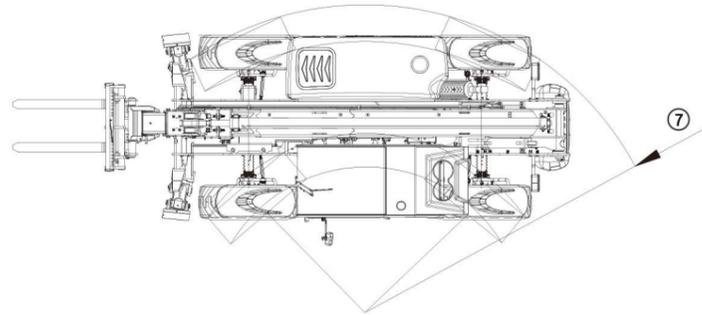
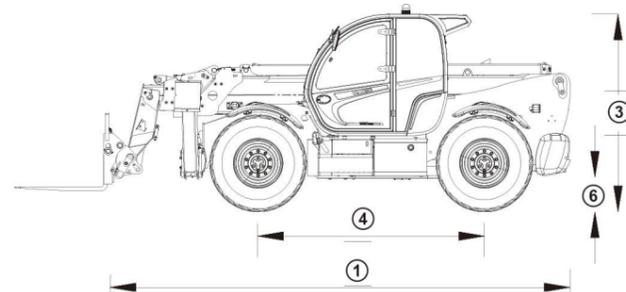
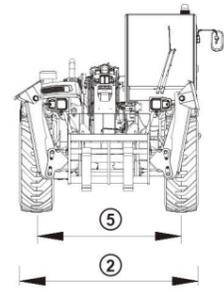
TH 1440

Support arm load table 支臂承载荷台

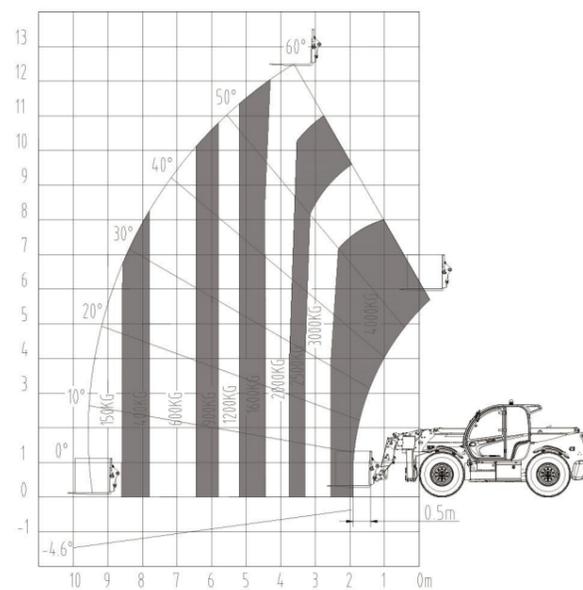
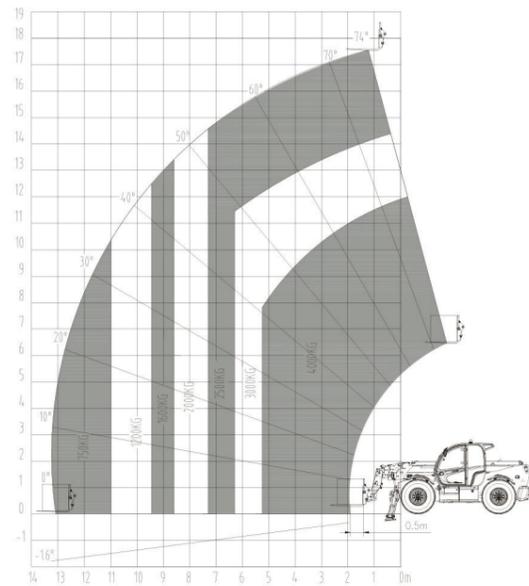
TH 1440

Tire Load Table 轮胎承载荷台

承载能力 Capability		TH1440	TH 740
载重 Max Capacity		4000kg	4000kg
最大举升高度 Max Lifting Height		13.5 m	7m
最大水平前伸距 Max Outreach		9.5 m	3.6 m
铲斗崛起力 Breakout Force with Bucket		7500 daN	6800 daN
最大高度举升能力 Lift Capacity at Maximum height		3000 kg	3300kg
最大水平前伸举升能力 Lift Capacity at Maximum reach		1650 kg	1300kg
尺寸 Dimension			
长度 Overall Length to Carriage		6.16 m	5.1m
总宽 Overall Width		2.42 m	2.33 m
总高 Overall Height		2.7 m	2.5 m
轴距 Wheelbase		3.07 m	2.9 m
轮距 Front Track		1.96 m	1.93 m
底座离地间隙 Ground Clearance		0.41 m	0.38 m
车架左右倾角 Tilt Angle		±9°	
转弯半径 External Turning Radius		4.2 m	4m
轮胎型号 Tires Type		440/80R24	400/70R24
驾驶室宽度 Overall Cab Width		0.98 m	0.98m
性能 Performance			
臂起升 Lifting		11s - 17.5s	7s - 15.3s
臂下降 Lowering		16s - 23.5s	6.2s - 14s
臂伸出 Extension		15s - 22.5s	4.5s - 14s
臂收回 Retraction		11s - 18s	4.5s - 13s
上倾翻 Crowd		5.2 - 24.3s	2.9s - 6.5s
下倾翻 Dump		5s - 24.8s	2.3s - 5s
发动机 Engine			
品牌 Engine Brand		Cummins	Cummins
型号 Engine Model		QSB3.9-C110	B3.9CS4
排量 Capacity of Cylinders		3.9 L	3.9 L
冷却方式 Cooling Method		水冷 Water Cooling	水冷 Water Cooling
最大功率 Max Power		81kw/2400r	81kw/2200r
最大力矩 Max Torque		480 Nm	480 Nm
牵引力 Traction Force		70.5 KN	71 KN
传动系统 Transmission			
行驶速度 Travel Speed		0 - 30	0 - 30
爬坡能力 Gradeability		30°	32°
驱动型式 Steering Model		4WD/4WS	4WD/4WS
档位数(前进/后退) Number of Gears (forward/reverse)		2 / 2	2 / 2
驻车制动 Parking Brake		自动停车 Automatic parking	自动停车 Automatic parking
行车制动 Service Brake		湿式制动 Wet Brake	湿式制动 Wet Brake
液压系统 Hydraulics			
泵 Hydraulic Pump Type		变量柱塞泵 Load Sensing Variable System	变量柱塞泵 Load Sensing Variable System
压力 Hydraulic Low Pressure		275 bar	275 bar
油箱容量 Tank Capacities			
柴油 Fuel Tank		140 L	95 L
液压油 Hydraulic Oil		180 L	210 L
货叉 Fork			
货叉规格 Forks Length/ Width/ Section		1200x150x50 mm	1200x150x50 mm
货叉向上倾角/上倾翻角度 Tilt-Up Angle		16°	13°
货叉向下倾角/下倾翻角度 Tilt-Down Angle		117°	101°
重量 Weight			
整机重量(带叉) Machine Weight (with forks)		10800kg	7800kg



机器型号 Model Machine	TH1840
①	6320 mm
②	2420 mm
③	2812 mm
④	3070 mm
⑤	1960 mm
⑥	430 mm
⑦	4200 mm



TH 1840

Support arm load table 支撑臂载荷台

TH 1840

Tire Load Table 轮胎载荷表

承载能力 Capability		
载重 Max Capacity		4000kg
最大举升高度 Max Lifting Height		17.6 m
最大水平前伸距 Max Outreach		13.1 m
铲斗崛起力 Breakout Force with Bucket		7500 daN
最大高度举升能力 Lift Capacity at Maximum height		2500 kg
最大水平前伸举升能力 Lift Capacity at Maximum reach		700 kg

尺寸 Dimension		
长度 Overall Length to Carriage		6.16 m
总宽 Overall Width		2.42 m
总高 Overall Height		2.7 m
轴距 Wheelbase		3.07 m
轮距 Front Track		1.96 m
底座离地间隙 Ground Clearance		0.41 m
车架左右倾角 Tilt Angle		±9°
转弯半径 External Turning Radius		4.2 m
轮胎型号 Tires Type		440/80R24
驾驶室宽度 Overall Cab Width		0.98 m

性能 Performance		
臂起升 Lifting		7.5s - 17.5s
臂下降 Lowering		13.5s - 23.5s
臂伸出 Extension		12.5s - 22.5s
臂收回 Retraction		8s - 18s
上倾翻 Crowd		5.5s - 24.8s
下倾翻 Dump		7.3s - 17.2s

发动机 Engine		
品牌 Engine Brand		Cummins
型号 Engine Model		QSB3.9 - C110
排量 Capacity of Cylinders		3.9 L
冷却方式 Cooling Method		水冷 Water Cooling
最大功率 Max Power		81kw/2200r
最大力矩 Max Torque		480 Nm
牵引力 Traction Force		70.5 KN

传动系统 Transmission		
行驶速度 Travel Speed		0 - 30
爬坡能力 Gradeability		30°
驱动型式 Steering Model		4WD/4WS
档位数(前进/后退) Number of Gears (forward/reverse)		2 / 2
驻车制动 Parking Brake		自动停车 Automatic parking
行车制动 Service Brake		湿式制动 Wet Brake

液压系统 Hydraulics		
泵 Hydraulic Pump Type		变量柱塞泵 Load Sensing Variable System
压力 Hydraulic Low Pressure		275 bar

油箱容量 Tank Capacities		
柴油 Fuel Tank		140 L
液压油 Hydraulic Oil		180 L

货叉 Fork		
货叉规格 Forks Length/ Width/ Section		1200x150x50 mm
货叉向上倾角/上倾翻角度 Tilt-Up Angle		16°
货叉向下倾角/下倾翻角度 Tilt-Down Angle		117°

重量 Weight		
整机重量(带叉) Machine Weight (with forks)		12500kg

# 属具

## ATTACHMENTS

MORN 伸缩臂叉车可以提供多种属具，以满足各种工作要求和应用场景。

The MORN telehandler offers a wide range of attachments to cater to various work requirements and application scenarios.



### 货叉



液压悬浮式调距货叉



360° 旋转货叉



浮动货叉



倾翻货叉

### 铲斗



通用铲斗



多功能农用抓斗



建筑铲斗



取料斗

### 钳夹



圆包夹



高强度草料夹



混合草料夹



盆&桶夹

### 叉具&抓具



大容量叉抓



带抓齿叉



鲨鱼齿抓斗



四针草料叉

### 吊具



单吊钩



双吊钩



三吊钩



加长吊臂

### 工作平台



快开式平台



简易平台



带卷扬工作平台



固定式屋顶平台

### 其它



封闭式清扫器



重载型液压卷扬机



轮胎机械手



混凝土吊斗