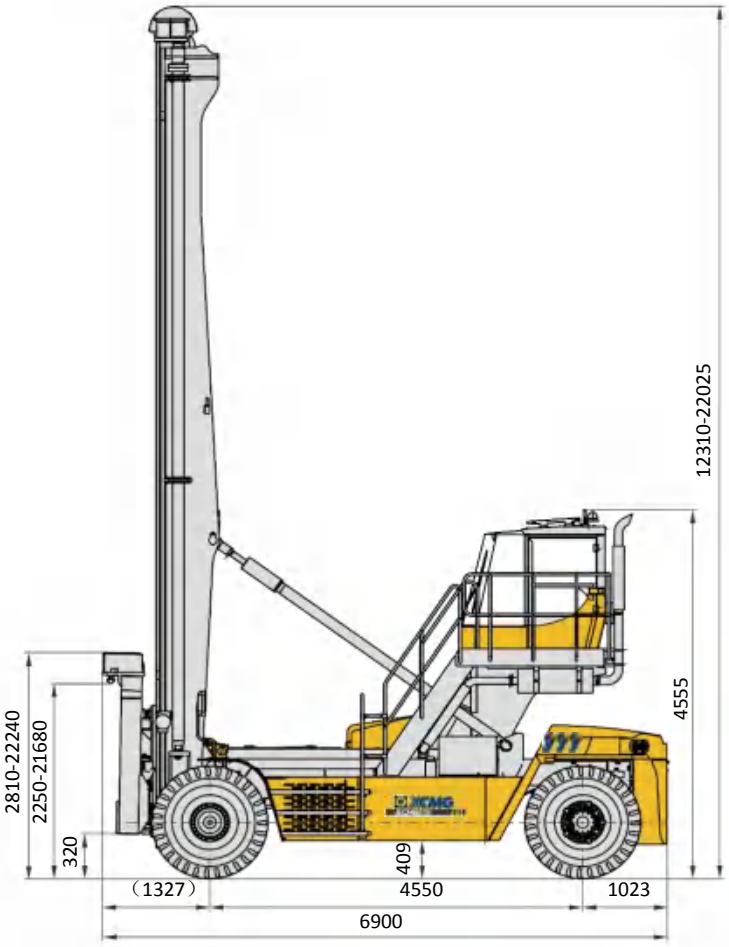
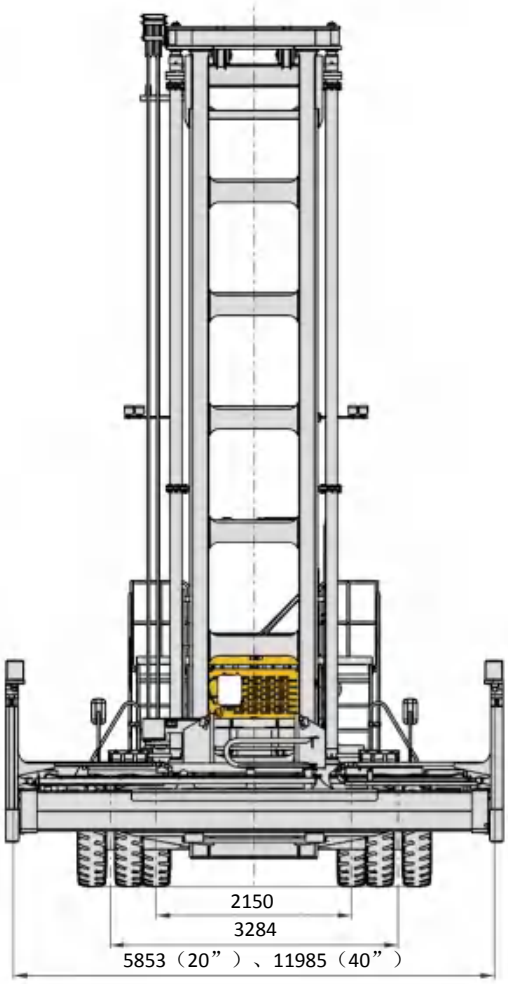
集装箱空箱堆高机 / Empty Container Handler

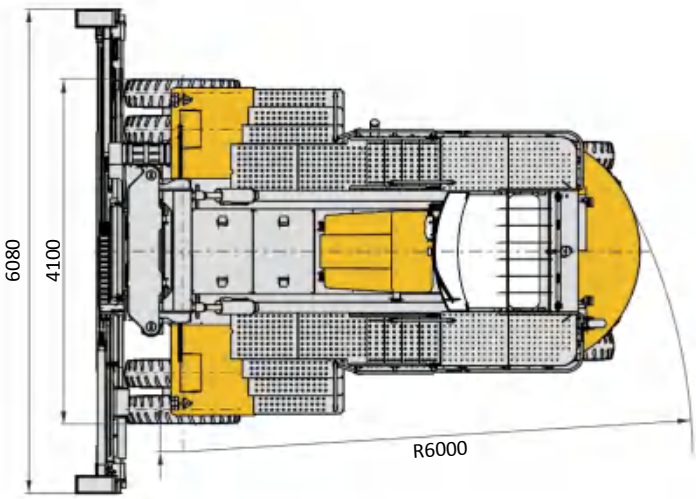
XCH908K

XCMG

尺寸参数
Dimensions







标准配置	
吊具	徐工品牌单箱伸缩式吊具，适用于20’和40’国际标准集装箱作业。 吊具最大起重量：9t。 侧移距离：±600mm。
司机室	驾驶、操纵一体化设计，外观简洁、动感。全景式、低仪表台设计，视野开阔。人机工程设计的内部空间，宽阔舒适。配置大功率冷暖空调、大屏幕显示器使用方便。
发动机	沃尔沃TAD851VE发动机，直列六缸水冷电控柴油增压发动机； 额定功率：185kW/2200r/min，最大扭矩：1160Nm/1350r/min； 发动机排放：非道路三阶段、EU Stage IIIA。 燃油箱有效容积：500L。
变速箱	沃尔沃TAD851VE发动机+德纳TE14变速箱。
驱动桥	德国Kessler重载驱动桥，型号：D81PL488，可靠性高、维护简便。
轮胎	6个14.00-24无内胎型轮胎，承载力大、专用的港机机械花纹，适合集装箱空箱堆高机产品各种使用工况。
悬挂	前桥与车架刚性连接，吊箱行驶稳定性高；后桥与车架铰接，行驶时，后桥可通过铰接机构实现减震功能，缓和路面冲击。
制动	行车制动：湿式盘式制动器，作用于前轮，系统压力过低时，具有自动制功能。 驻车制动：弹簧制动，液压解除的独立盘式制动器，作用于前桥。
转向	后桥全液压动力转向，后轮转角可达73°，整机转弯半径6000mm。
液压系统	电比例变量泵系统，具有负载敏感功能，节能型好。大功率风冷式液压油散热器，系统散热好。 液压油箱有效容积：420L。
电气系统	24V DC，负极搭铁，2个蓄电池，照明系统中设置有前大灯，倒车灯、转向灯等。
安全装置	动载防倾翻保护技术，根据车辆载荷情况，实时限制车辆行驶速度，带箱行驶安全。整机还具有过载保护、倒车影像、倒车雷达功能。
车架	车架采用细晶粒高强度钢焊接而成，抗扭转大截面框架结构，承载能力强。 设计过程中运用有限元分析计算、零阶设计优化方法对核心结构进行优化设计，保证了结构件的强度和刚度。
门架	2级伸缩门架，外门架F型截面，内门架工字型截面 采用抗扭曲设计，作业性能好、抗扭能力强。
选装配置	
冷却液加热	加热发动机冷却液，辅助发动机启动，适用于寒冷地区。

产品各部件明细如上所述，具体部件明细请参照产品报价单。

Standard equipment

Spreader	XCMG spreader for single container, applicable to handling ISO 20′ and 40′ containers. Its maximum lifting capacity is 9 t, and side shift is ±600 mm.
Cab	Integrated design for driving and operating functions, simple and artistic appearance. Panoramic, low-instrument panel design, wide view. Ergonomically designed inner space, spacious and comfortable with high power heating and air conditioning device equipped. A large screen display is easy to use.
Engine	QSB6.7, in line, six-cylinder, water-cooled, turbocharged, electric control diesel engine, manufactured by Cummins, US; Rated power 164 kW/2300rpm, max. torque 949 Nm / 1500 rpm; Emission compliance: compliant with off-road U.S. EPA Tier 3/EU Stage IIIA; Fuel tank capacity: approx. 550L.
Transmission	3WG211, automatic transmission (with manual shift) manufactured by ZF Germany, with 3 forward and 3 reverse gears available.
Drive axle	D81PL488, German KESSLER heavy duty drive axle, high reliability and easy to maintain.
Tires	6 tires tubeless type, with large bearing capacity and specialized pattern for port machines, suitable for the requirements of empty container handler under various working conditions. Tire specifications: 14.00-24.
Suspensions	Front axle is rigidly connected with frame for high stability while driving with a container suspended; rear axle is hinged with frame for buffering road shock through the hinged mechanism.
Brakes	Service brake: wet disc brake, acting on the front wheels. Automatic braking is available in case of lower system pressure. Parking brake: spring-loaded brake and hydraulic-released independent disc brake, acting on the front axle.
Steering	Rear axle is full hydraulic power steering, the turning angle of rear wheels is up to 73°, and the turning radius of whole machine is 5950 mm.
Hydraulic system	Electric proportional variable pump system, with load sensitive function, energy economy. A high power, air cooled hydraulic oil radiator is used to cool the system. Oil tank capacity: 420L.
Electric System	DC 24 V, negative ground, 2 batteries. There are headlamps, reverse lamp and turn lamps available in lighting system.
Safety devices	Dynamic load protection technology makes the traveling speed be limited according to machine load, contributing to driving safety of the machine with a container suspended. Overload protection, backup camera and reverse alarm are available.
Frame	Frame is made of fine grain high tension steel, with anti-torsion large cross-section, strong carrying capacity. Finite element analysis and zero order design optimization method adopted for key structures ensure the strength and stiffness of structural members.
Mast	Two-stage, telescopic mast, anti-torsion design, leading to better operating performance and anti-torsion ability.

Additional equipment

Coolant heating device	It is used to heat engine coolant, facilitating to start engine, applicable in cold areas.

Product parts list is as mentioned above, refer to the product quotation for specific parts.

重量
Weight

项目 Item	前轴 Front Axle	后轴 Rear Axle	总重量 Total weight
空载 Unloaded	25500kg	16500kg	42000kg
满载 Rated load	39440kg	11560kg	51000kg

轴荷为门架处于垂直状态时的数值。
The axle loads listed in the table are the values when mast is vertical.

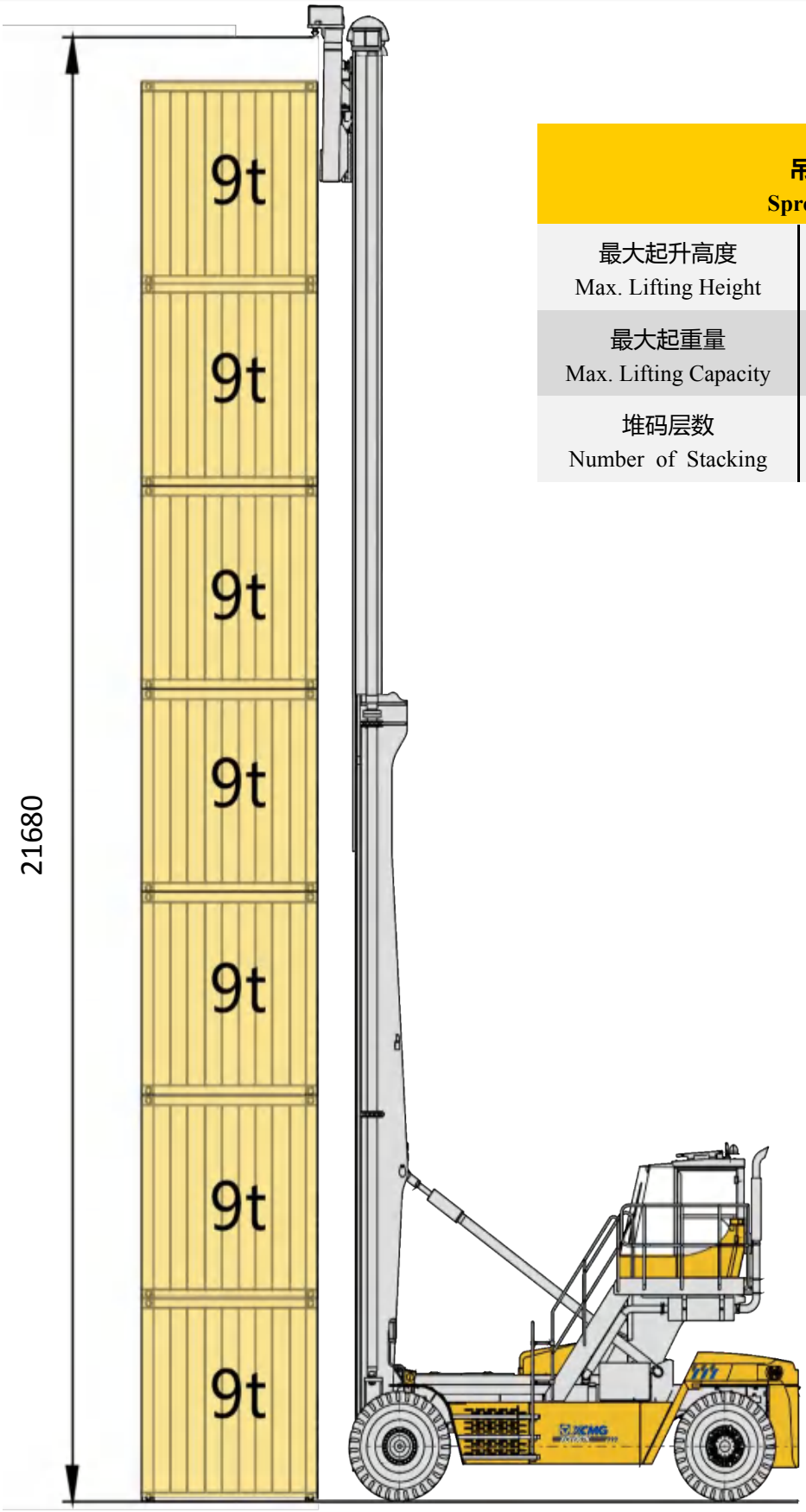
作业速度
Working speeds

项目 Item	空载 Unloaded	满载 Rated load
起升速度 Lifting speed	600mm/s	550mm/s
下落速度 Lowering speed	550mm/s	600mm/s
行驶速度 Traveling speed	28km/h	26km/h

吊具参数
Spreader specifications

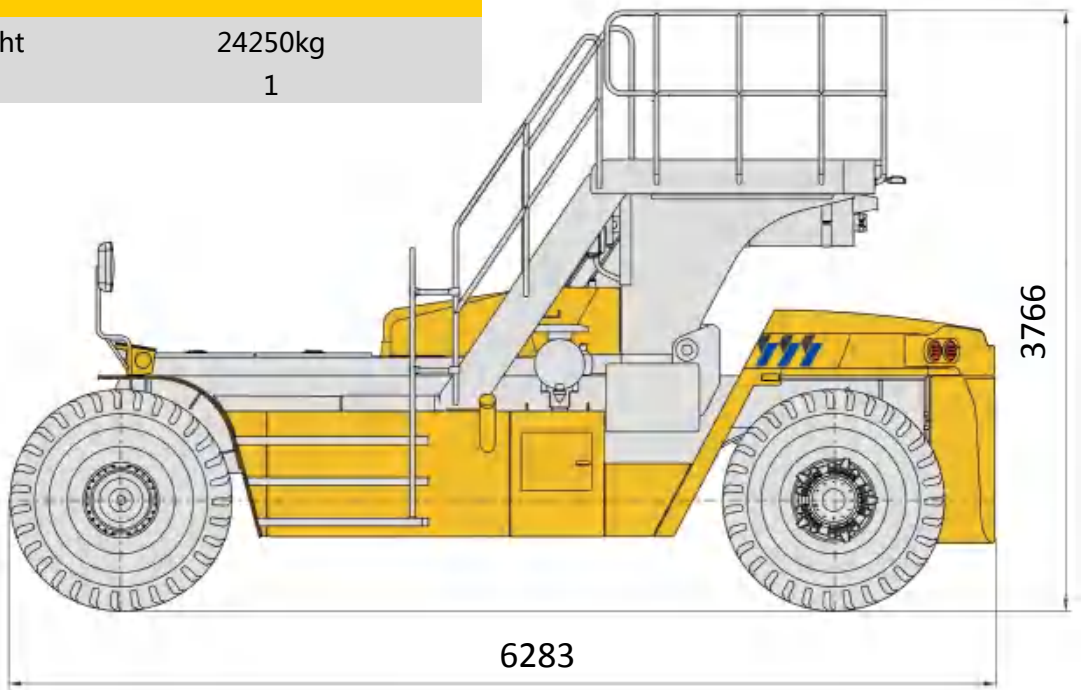
项目 Item	单箱吊具（徐工） Spreader for single container （XCMG）
起重量 Lifting capacity	9000kg
侧移距离 Side shift	±600mm
伸缩时间 Telescoping time	22s
开闭锁时间 Lock\unlock time	1s

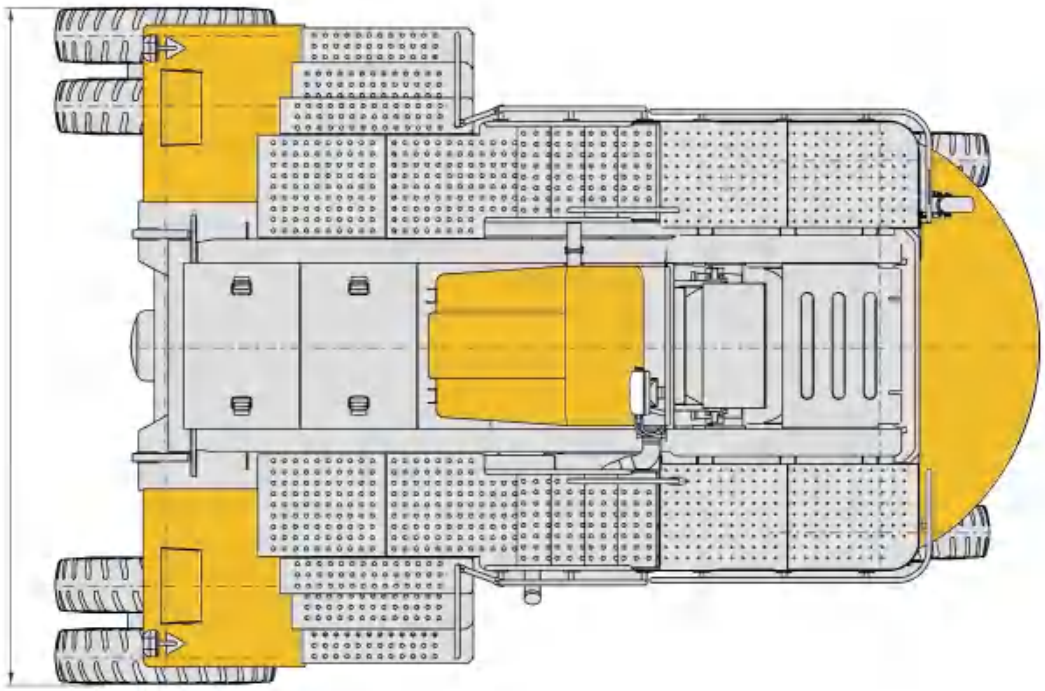
起重能力
Lifting capacities



吊具 Spreader	
最大起升高度 Max. Lifting Height	21680mm
最大起重量 Max. Lifting Capacity	9t
堆码层数 Number of Stacking	8 (8’6”) /7 (9’6”)

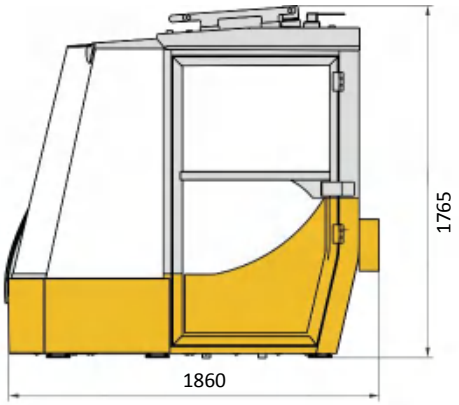
1	主机 Main machine
重量 Weight	24250kg
数量Qty	1

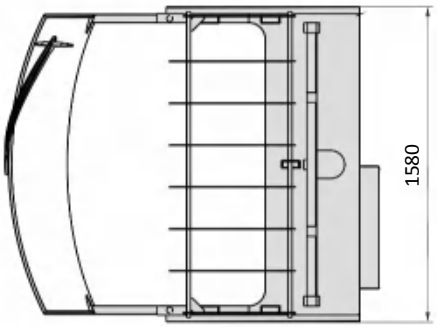




2 司机室 Cab

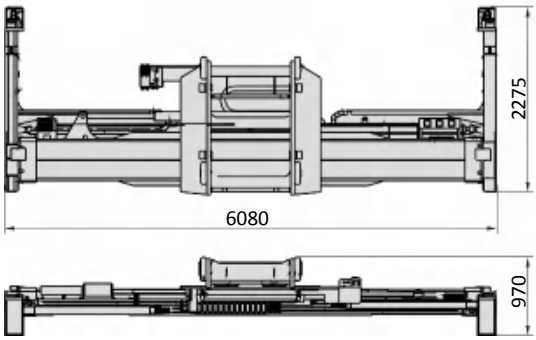
重量 Weight	750kg
数量Qty	1





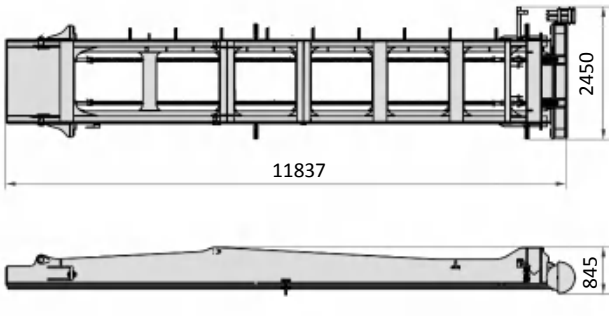
3 吊具 Spreader

重量 Weight	4733kg
数量Qty	1



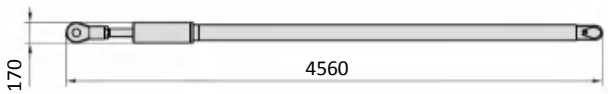
4 门架组件 Mast assembly

重量 Weight	10956kg
数量Qty	1



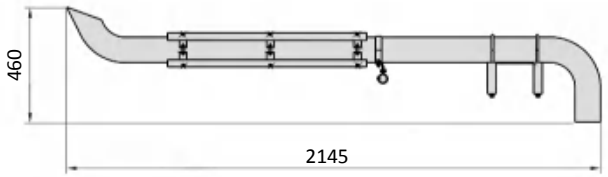
5 俯仰油缸 Tilt cylinder

重量 Weight	492kg
数量Qty	2



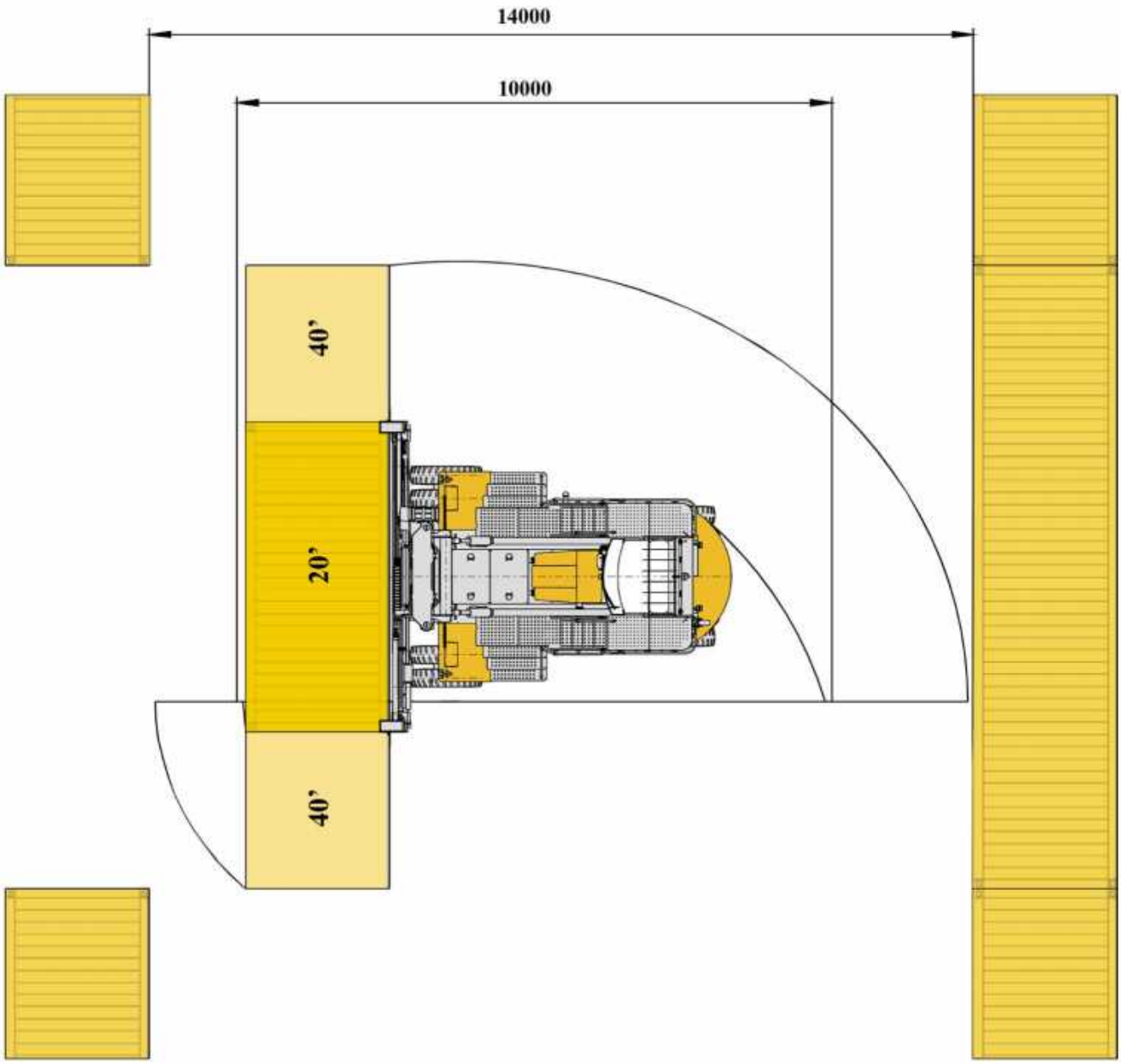
6 消音器 Muffler

重量 Weight	33kg
数量Qty	1



注：以上均为单件重量，门架组件包含门架和起升油缸。
NOTES: All of these are single piece weight, and mast assembly include mast and lifting cylinders.

通道宽度
Aisle width



主要技术参数
Main Technical Data

序号 No.	项目 Item		单位 Unit	参数 Parameter	允差 Tolerance
1	长度 length		mm	6900	±1%
2	宽度 Width		mm	6080	±1.5%
3	高度 Height	门架 Mast	mm	12310	±1%
4		司机室 Cab	mm	4600	±1%
5		门架最大高度 Max.height	mm	22025	±1%
6	轴距 Wheelbase		mm	4550	±1%
7	轮距 Trace	前 Front	mm	3284	±2%
9		后 Rear	mm	2150	±2%
10	悬距 Overhang	前 Front	mm	1327	±3%
11		后 Rear	mm	1023	±3%
12	最小离地间隙 Min. ground clearance	门架下端 Under mast	mm	320	≥95%
13		轴距中心 Center of Wheelbase	mm	409	≥95%
14	最大行驶速度 Max. traveling speed	空载 Unloaded	km/h	28	±10%
15		满载 Rated load	km/h	26	±10%
16	最小转弯半径 Min. turning radius		mm	6000	≤105%
17	最大牵引力 Max. drawbar pull		kN	180	≥90%
18	最大爬坡能力 Max grade ability		%	25%	≥90%
19	自重 Dead weight		kg	42000	±3%
20	额定起重量 Rated lifting capacity		kg	9000	±5%
21	自由起升高度Height under twistlock		mm	2250	±1.5°
22	最大起升高度Max. lifting height		mm	21680	±1.5°
23	门架倾角 Mast tilting	前 Front	°	2	±0.5°
24		后 Rear	°	4	±0.5°
25	最大起升速度 Max. lifting speed	空载 Unloaded	mm/s	600	±10%
26		满载 Rated load	mm/s	550	±10%
27	最大下降速度 Max. lowering speed	空载 Unloaded	mm/s	550	±10%
28		满载 Rated load	mm/s	600	±10%

主要配套件明细表
Main parts list

序号 N0.	名 称 Name	型 号 Model	厂 家 Manufacturer
1	吊具 Spreader	XDJ90	徐州徐工港口机械有限公司 Xuzhou XCMG Port Machine Co.,Ltd.
2	吊具 Spreader	SLV40	瑞典 Bromma Sweden Bromma
3	发动机 Engine	TAD851VE	瑞典 Volvo Sweden Dana
4	变速箱 Transmission	德纳TE14	美国Dana US Dana
5	驱动轴 Drive Axle	D81PL488-NLB	德国 Kessler Germany Kessler
6	轮胎 Tire	14.00-24	贵州轮胎股份有限公司 Guizhou Tyre Co., Ltd.
7	轮辋 Rim	XCH907K_29.1.1	吉凯恩动力机械（柳州）有限 公司 GKN Power Solution (Liuzhou) company Limited
8	司机室 Cab	XCH907K.03	扬州市扬子钣金制造有限公司 Yangzhou Yangzi Metal Fabricating Co., Ltd.

注意事项
Notes

1. 本手册仅供参考，所有信息均仅供说明，不应依赖它去操作堆高机，堆高机的正确操作说明请参见操作手册。
2. 堆高机属于非道路车辆，车辆的行驶需遵守当地的交通规则和法规要求。车辆长途转移时，必须使用其它车辆拖运，同时考虑车辆的总重、轴荷和轮廓尺寸的限制要求。
3. 堆高机必须在坚实的地面上工作，地面坡度不得大于3%。
4. 堆高机作业时，风力不得大于6级。在有风条件下作业时，必须认真观察和注意风速、设备状态及作业环境等各个方面。另外，必须考虑到地面与高空，平地与街道地区的风速有很大差别。

1. All information in the brochure is provided for reference only. Never rely on it to operate the machine. Refer to the operation manual for operation instructions of the machine.
2. Container handlers belong to off-road machines. Local traffic rules and regulations must be observed. For long-distance job site transfer, use a trailer and take GVW, axle load and dimensions of the machine into consideration.
3. The machine must be operated on firm ground, which gradient does not exceed 3%.
4. Operation of the machine is permissible only when the wind force is below grade 6.
   When operating the machine under wind, it is necessary to observe wind speed, equipment status and operating environment. In addition, the wind velocity on the ground is different with that in the high air, and it is also different on flat ground and in city air, which shall be taken into account