



XE27U

液压挖掘机

CRAWLER EXCAVATOR



操作质量
Operating weight

2880kg

最大牵引力
Max. traction force

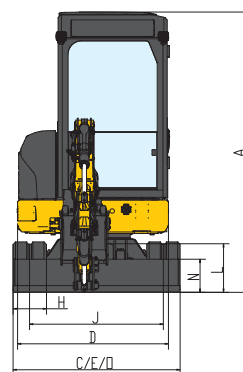
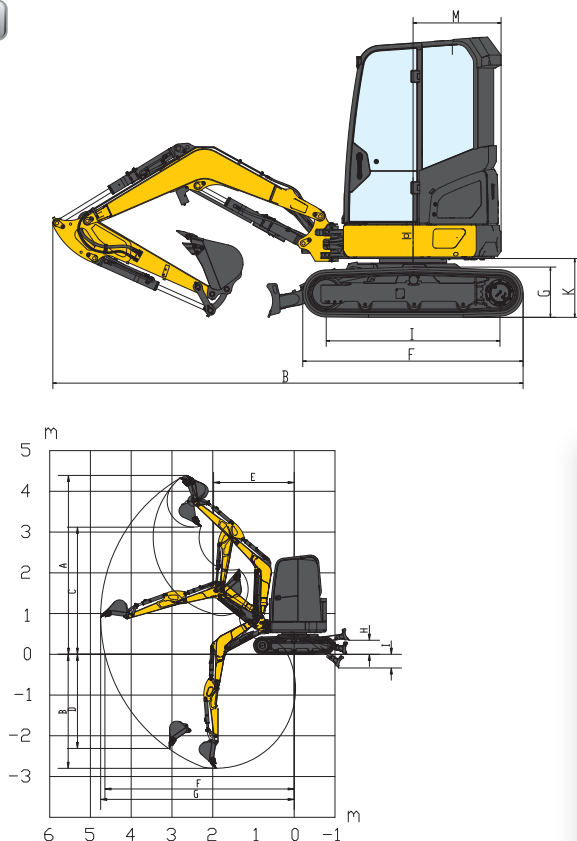
36kN

额定功率
Rated power

18.2kW

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整体概述



外形尺寸 Appearance size

单位: mm

A 总高Overall height	2520
B 总长Overall length	4225
C 总宽Overall width	1500
D 上车宽度Upper structure width	1350
E 底盘宽度 (伸出/缩回) Chassis width (extended/retracted)	1500(1350-1740*) *可选配伸缩底盘
F 履带长度Track length	1980
G 履带高度Track height	450
H 标准履带板宽度Standard track shoe width	300
I 履带轴距Track wheelbase	1560
J 轨距 (伸出/缩回) Track gauge (extended/retracted)	1200
K 配重离地间隙Counterweight ground clearance	528
L 最低离地间隙Minimum ground clearance	315
M 尾部回转半径Tail Swing Radius	790
N 推土铲高度Dozer blade height	300
O 推土铲宽度 (展开/折叠) Dozer blade width (unfolded/folded)	1500

型号 Model

XE27U

操作重量Operating mass/kg	2880
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发动机 Engine

发动机品牌/型号Engine brand/model	久保田/D1305
额定功率/转速Rated power/rpm/kW/rpm	18.2/2400
4冲程4-stroke	✓
水冷Water-cooled	✓
涡轮增压Turbocharged	/
冲程Stroke/mm	88
缸径Cylinder bore/mm	78
缸数Number of cylinders	3
最大扭矩/转速Maximum torque/rpm/N · m/rpm	81.3/1600
排量Displacement/L	1.261

主要性能 Main performance

行驶速度 (高/低) Travel speed (high/low)/km/h	3.8/2.1
回转速度Swing speed/r/min	10
最大回转扭矩Maximum swing torque/kN · m	3.5
爬坡能力Gradeability	30° (58%)
接地比压Ground specific pressure/kpa	27.4
铲斗挖掘力 (ISO) Bucket digging force (ISO)/kN	22
斗杆挖掘力 (ISO) Arm digging force (ISO)/kN	14
最大牵引力Maximum traction force/kN	36

油液容量 Oil capacity

燃油箱容量Fuel tank capacity/L	38
液压油箱容量Hydraulic oil tank capacity/L	22

作业范围 Working scope

单位: mm

A 最大挖掘半径Maximum reach	4390
B 最大地面挖掘半径Maximum reach at GRP	4750
C 最大挖掘高度Maximum digging height	4390
D 最大卸载高度Maximum unloading height	3210
E 最小卸载高度Minimum unloading height	955
F 8英尺水平挖掘深度8 ft. level floor digging depth	2312
G 最大垂直挖掘深度Maximum vertical digging depth	2310
H 最大挖掘深度Maximum digging depth	2800
I 最小回转半径Minimum swing radius	1980
J 推土铲最大提升高度Maximum lifting height of dozer blade	310
K 推土铲最大切割深度Max. cutting depth of dozer blade	330
L 动臂偏转角度 (左) Boom deflection angle (left)	72°
M 动臂偏转角度 (右) Boom deflection angle (right)	55°

液压系统 Hydraulic system

主泵Main pump	1 × 变量泵
主系统最大流量Maximum flow rate of main system/L/min	82.8
主系统压力Main system pressure/Mpa	24.3
先导系统压力Pilot system pressure/Mpa	3.5
行走系统压力Travel system pressure/Mpa	24.3
回转系统压力Swing system pressure/Mpa	19

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