

Battery Drive UG Production WJD-6B

整机主要性能参数

Main Specifications

1. 主要配置

Main components

1.1 锂电池

Battery

型号：高性能磷酸铁锂电池

Model : High efficiency LiFePO4 battery (LiFePO4)

容量： 544.32 KWH

Volume: 544.32 KWH

冷却系统： 水冷

Cooled method: Liquid cooling

单次充电耗电: 592.882 KWH

Single Charge : 592.882 KWH

满电状态行驶时间: 4 小时

Travelling period at full charge: 4 hours

1.2 电动机

Electric motor for driving

类型：永磁同步电机

Model: PMSM permanent magnet synchronous motor

额定功率: 180/340 KW 额定转速: 1055

Rated Power: 180/340 KW Rated ratio: 1055 rpm

Electric motor for pumping pump

类型: 永磁同步电机

Model: PMSM permanent magnet synchronous motor

额定功率: 180/340 KW 额定转速: 1055

Rated Power: 180/340 KW Rated ratio: 1055 rpm

1.3 换挡变速箱

Powershift Transmission

型号: DANA 电控 RTE32

Model: DANA Electric Control RTE32

类型: 电—液换挡

Type: Electro-fluid shift control

1.4 驱动桥

Drive axle DANA 53R or Kessler D106.

类型: 前桥固定, 后桥摆动 $\pm 8^\circ$

Type: Front axle fixed, rear axle swinging $\pm 8^\circ$

制动方式: 紧急制动、停车制动、工作制动为一体的湿式多盘全封闭制动器, 弹

簧制动, 液压释放 (POS—STOP)

Braking method: Emergency brake, parking brake, working brake integrated wet multi-discs sealed brake; spring brake hydraulic release (POS—STOP)

1.5 液压系统

Hydraulic system

组成：工作系统、转向系统、制动系统、补油系统

Including: working brake, hydro-power steering system, brake system and oil compensation system.

说明：主要元件采用进口产品（工作转向泵、多路阀、转向阀、充液阀、脚踏阀等）

Remark: main hydraulic components adopt imported brands like Parker, Rexroth, Mico, Williams, etc. (Work-steering pump, multiple vale, steering valve, charging valve, accelerating valve, etc.)

2. 主要技术参数

Main parameter

铲斗容积（SAE 堆装）：6m³

Rated bucket volume (SAE): 6 m³

额定载重量：14t

Rated loading capacity: 14 metric ton

最大卸载高度：2400mm

Maximum off load height: 2400 mm

最小卸载距离: 1880mm

Minimum off load distance: 1880 mm

轴距: 3800mm

Wheel base: 3800 mm

离去角: 14°

Departure angle: 14°

最小离地间隙: 350mm

Minimum ground clearance: 350 mm

最大转向角: ±38°

Maximum steering angle: ±38°

后桥摆动角: ±8°

Rear axle swinging angle: ±8°

最大爬坡能力: 25%

Maximum grade ability: 25%

最大牵引力: 240 KN

Maximum traction force: 240KN

最大铲取力: 220 KN

Maximum shovel force: 220KN

大臂举升时间: 7.5 s

Boom lifting : 7.5s

大臂下降时间: 3.5 s

Boom descending: 3.5s

铲斗卸料时间: 2 s

Bucket tilting: 2s

整机质量: 39 metric ton

Machine weight: 39 Metric Ton

行驶速度

Travelling speed:

一档: 前进/后退: 6 km/h

1 gear: Forward/reverse 6KM/h

二档: Forward/reverse 14 KM/H

2 gear: Forward/reverse 14KM/h

最小转弯半径: 3300±250mm (内侧) 6900±250mm mm (外侧)

Minimum turning radius: 3300±250mm (Inner); 6900mm±250mm (Outer)

外形尺寸 (运输状态): 11000×2820×2600mm

Size (transport): 11000×2820×2600mm

备注: 如果我方必须实现 44° 转弯角, 我们可能会对设备的尺寸做出调整, 以满足转弯角度要求; 那么转弯半径也会相应的发生变化. 我方将根据客户需求确定设备的最终外形尺寸.

Remark:

If we have to realize steering angle=44°, we may change the size to adapt this requirement.

. thus, the turning radius may change accordingly.

We may change the size of the vehicle according to client's final requirement.

External Dimensions

