

SDCE90K7E2

SANY Empty Container Handler

The energy cost is 238,000 CNY(4000h) less than fuel ones per year

Energy consumption is 14.2% lower than first-generation SDCE90K7

Due to the fluctuation of electricity price and oil prices and other factors, the relevant data may vary

1 Hydraulic system energy saving, potential energy/braking energy recovery, single box power consumption decreased by 15%, endurance up to 10h under medium and high load conditions.

3 High voltage system security alarm system, insulation, leakage, overvoltage, overtemperature and other classification detection protection

5 Efficient motor, optimized power matching, cycle test conditions, average efficiency up to 95%

2 The new generation control system can improve the response $\leq 400\text{ms}$, and the operating efficiency can reach 45 containers per hour under standard test conditions

4 The amount of line self-diagnosis point >60 ; remote troubleshooting is supported



▶ Product Parameters

| Technical Parameter | | |
|------------------------------------|------|-------------|
| ITEM | UNIT | SDCE90K7E2 |
| Overall weight | t | 41.5 |
| Rated load | t | 9 |
| Stack layer | - | 7 |
| Max. Lifting speed (0/full load) | mm/s | 600/550 |
| Max. Lowering speed (0/full load) | mm/s | 550/600 |
| Max. Traveling speed (0/full load) | km/h | 23/25 |
| Gradeability (0/full load) | % | 25/20 |
| Overall length L | mm | 6900 |
| Wheel base L1 | mm | 4550 |
| Rated load center distance L2 | mm | 1220 |
| Front overhang L3 | mm | 1140 |
| Overall height H (retract/extend) | mm | 10870/19240 |
| Min. Ground clearance H1 | mm | 285 |
| Min. Locktip ground clearance H3 | mm | 2250 |
| Max. Mast lifting height | mm | 18750 |
| Overall width W | mm | 6110~12170 |
| Front gauge W1 | mm | 3280 |
| Rear gauge W2 | mm | 2030 |
| Mast tilt angle (forw.α /backw. β) | ° | 2/4 |
| Min. Turning radius R | mm | 6200 |
| Width for 20'container A1 | mm | 10000 |
| Width for 40'container A2 | mm | 14000 |
| note: K6/K8 are optional | | |

| Configuration Parameter | | | |
|--------------------------|--------------|--------------------------|---------------------|
| CONFIGURATION | UNIT | SDCE90K7E2 | |
| Battery type | - | CATL battery | |
| Electric motor | - | Lvkon | |
| Charging time | min | 70 | |
| Endurance time | h | ≥10 | |
| Lithium battery | kwh | 350 | |
| Max. Lifting capacity | t | 9 | |
| Noise in cab | dB | ≤72 | |
| 0~20km/h accelerate time | s | ≤8 | |
| Drive axle type | - | KESSLER D81/Sany DWF-390 | |
| Spreader | Model | - | |
| | Lateral move | mm | ±600 mm |
| | Self-weight | t | 4.4 |
| | Suitable fo | mm | ISO20'/40'container |
| Tires | - | 14.00-24 28PR | |

▶ Dimensions

