



# SY412C-8(V) TRUCK MIXER

## Distinct advantage in carrying capacity

Carrying capacity increased by 20%. Waterproof performance increased to 3~5 times by upgrading the seal structure of full set of axle.

## Industry-leading mixing drum technology

Mixing drum using the customized SY300TP special purpose high strength and abrasion-resistant steel, drum service life extended by 30%, 8 years long service life. Lighter, more reliable, more economical and more valuable.

## Self-developed integrated design

Upper parts and chassis integrated design take vehicle performance into account. Vehicle center of mass lowered 120mm by improve "no sub frame" structure matching with high strength frame. Driving is safer and more reliable.

## Brand new driving experience

Upgraded air-floating adjustable seat, the sleeper berth is 130mm wider and 90mm thicker, and 95L storage space is set under the sleeper, which is more comfortable and spacious, and brings customers a brand-new driving experience.

## Lightweight design

Aluminum alloy water tank is adopted, and the weight is reduced by 45%; The auxiliary chute is made by polymer, and the weight is reduced by 50%. Low-carbon, eco-friendly and more economical.

Technical specifications 技术参数

| Model 型号                   |   | SY412C-8(V)                     |  |
|----------------------------|---|---------------------------------|--|
| Overall parameters<br>整车参数 | Rudder direction                              | 左右舵                             | 左舵 left  |
|                            | Curb weight (kg)                              | 整备质量（kg）                        | 15000（GCC 认证参数）                                |
|                            | Full load weight (kg)                         | 最大允许总质量（kg）                     | 43800（GCC 认证参数）                                |
|                            | Dimension (L×W×H) (mm)                        | 整车尺寸（长×宽×高）（mm）                 | 9790×2525×4000（GCC 认证参数）                       |
|                            | Wheel base (mm)                               | 轴距（mm）                          | 1700+3175+1350                                 |
|                            | Min. ground clearance (mm)                    | 最小离地间隙（mm）                      | ≥ 240  |
|                            | Min. turning diameter (m)                     | 最小转弯直径（m）                       | ≤ 22   |
|                            | Fuel consumption (L/100km)                    | 百公里油耗（L/100km）                  | ≤ 42   |
|                            | Braking distance (V <sub>0</sub> =30km/h) (m) | 制动距离（V <sub>0</sub> =30km/h）（m） | ≤ 10(Full load); ≤ 9(Empty load)               |
| Chassis<br>底盘配置            | Engine  | 发动机                             | 日野 Hino P11C-WC                                |
|                            | Displacement (L)                              | 排量（L）                           | 10.52  |
|                            | Rated power/Rev speed (kW/rpm)                | 额定功率 / 转速（kW/rpm）               | 259/1900                                       |
|                            | Max. torque/Rev speed (N.m/rpm)               | 最大扭矩 / 转速（N.m/rpm）              | 1488/1100                                      |
|                            | Emission standard                             | 排放标准                            | Euro V   |
|                            | Gear-box                                      | 变速箱                             | 法士特 Fast 12JSD160TA                            |
|                            | Front axle                                    | 前桥                              | 2×7.5T   |
|                            | Middle, rear axle                             | 中、后桥                            | 2×16T  |
|                            | Cab   | 驾驶室                             | 三一 CB318 驾驶室<br>Sany Cab CB318                 |
|                            | Tyre  | 轮胎                              | 12R22.5  |
|                            | Brake type                                    | 制动型式                            | 气压双回路鼓式制动<br>Pneumatic dual-circuit drum brake |
|                            | Fuel tank                                     | 燃油箱（L）                          | 300  |
| Drum<br>上装参数               | Mixing capacity (m³)                          | 搅动容量（m³）                        | 12   |
|                            | Feeding speed (m³/min)                        | 进料速度（m³/min）                    | ≥ 8  |
|                            | Discharge speed (m³/min)                      | 出料速度（m³/min）                    | ≥ 5  |
|                            | Discharge residual rate                       | 出料残余率                           | ≤ 0.5%   |
|                            | Slump scope (mm)                              | 坍塌度范围（mm）                       | 50 – 210                                       |
|                            | Water tank capacity (L)                       | 水箱容积（L）                         | 600  |
|                            | Water pressure (Mpa)                          | 供水工作压力（MPa）                     | 0.35 – 0.38                                    |
|                            | Reduction gear                                | 减速机                             | 普曼普 PMP PMB7.1                                 |
|                            | Oil pump                                      | 油泵                              | 三一 Sany 90                                     |
|                            | Motor   | 马达                              | 三一 Sany 90                                     |

Optional configuration 可选配置

| Model 型号   |                  | SY412C-8(V)        |  |
|--|------------------|--------------------|--|
| Item<br>名称   |                  | ● Standard<br>● 标配 | ○ Option – None<br>○ 选配 – 无                                  |
|  |                  |                    |  |
| Engine   | 发动机              |                    | –  |
| Reduction gear   | 减速机              |                    | –  |
| Mixing drum type   | 搅拌筒型式            |                    | ○ 干式 Dry   |
| Driving recorder   | 行车记录仪            |                    | –  |
| Rootcloud  | 树根互联             |                    | ○  |
| Mixing drum forward and backward rotation sensor (GPS Terminal-EMEA must be installed) | 搅拌筒正反转（必须安装树根盒子） | ●                  |  |
| Central control screen   | 中控屏              |                    | –  |
| Embedded lock machine  | 预埋锁机             |                    | ○  |
| Blind zone radar   | 盲区雷达             |                    | ○  |
| Rear view camera   | 倒车摄像头            | ●                  |  |
| Around view monitor(AVM)   | 360 环视           |                    | ○  |
| ABS (axles need replacing)   | ABS（需换车桥）        | ●                  |  |
| Cab roof warning light   | 驾驶室警示顶灯          |                    | ○  |
| Tyre   | 轮胎               |                    | ○ 11.00R20<br>○ 前 Front: 385/65R22.5;<br>后 Rear: 315/80R22.5 |
| Hydraulic lift of main chute   | 主槽液压举升           |                    | –  |
| Multiple auxiliary chutes  | 多节副槽             |                    | –  |
| Toolkit  | 工具箱              |                    | ○  |
| Rear working light   | 后照灯              | ●                  |  |
| Mixing drum cleaning device  | 搅拌筒清扫杆           |                    | –  |
| Hopper components  | 接料斗              | ●                  |  |
| Special coating  | 特殊涂装             |                    | ○  |
| Water tank capacity  | 水箱容积             |                    | ○ 400L 铝合金 Al<br>○ 800L 铝合金 Al                               |
| The upper guardrail protecting net of mixing drum                                      | 搅拌筒上部护栏保护筛网      |                    | –  |