

# JDY-20L

## Mining concrete mixer

### Product introduction:

- JDY-20L is a concrete production equipment that integrates feeding, mixing and unloading, which is specially designed and developed by our company for continuous feeding of wet spraying operation in mine tunnels. This machine is equivalent to a portable simple mixing station, which can mix concrete mixtures in the mine, effectively reducing the concrete transportation link and avoiding the stratification and segregation phenomenon and concrete slump loss that are easy to occur during the concrete transportation process. The equipment mixes concrete with good quality, high production efficiency, accurate water supply metering, simple operation and convenient maintenance.



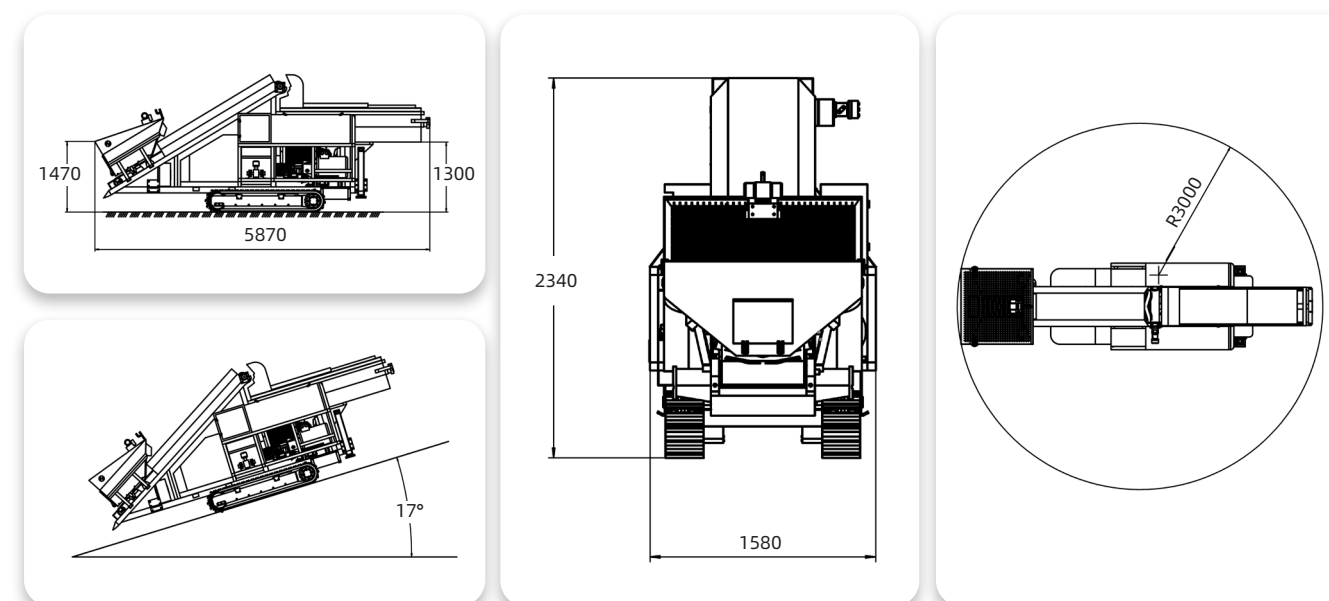
### Main features:

- It has a high degree of integration, integrates automatic feeding and mixing, and can realize continuous mixing to prepare concrete. Traditional mixers on the market now have intermittent feeding, while crawler continuous mixers can be used as needed on site, taking the amount and mixing at the same time, avoiding waste.
- Feeding, watering and mixing are all fully hydraulically driven, which can achieve accurate control of feeding speed and water adding amount. The hydraulic system has good overload protection performance, safety and reliability.
- The self-propelled crawler walking chassis design can be moved or transferred to a suitable position at any time according to the needs of on-site construction, relying on its own power, which can effectively save manpower.
- Through the strong circular motion, axial motion and shear motion of the material, the material is quickly and evenly mixed, which can effectively shorten the mixing time.
- It can be used in conjunction with the Jarlo wet concrete spraying machines to effectively improve the wet spraying efficiency and economic benefits.

### Technical parameters:

| Item                                       | Parameter                           |
|--|-------------------------------------|
| Overall dimensions(L×W×H)                  | 5870×1580×2340mm                    |
| Machine weight                             | 3780kg                              |
| Engine rated power and speed               | Changchai 22.1kW/2500rpm            |
| Production capacity                        | 20m³/h                              |
| Applicable water-cement ratio              | 0.4~0.5W/C                          |
| Rated working pressure                     | 1MPa                                |
| Rated working flow                         | 80L/min                             |
| Water pump type                            | Hose pump                           |
| Water pump control method                  | Hydraulic stepless speed regulation |
| Chassis type                               | Steel track chassis                 |
| Track shoe width                           | 230mm                               |
| Max. Driving speed                         | 4km/h                               |
| Max. Climbing ability                      | 17°                                 |
| Min. Turning radius                        | 3000mm                              |
| Conveying length                           | 3000mm                              |
| Conveyor belt width                        | 500mm                               |
| Feeding mechanism belt speed               | 0.7m/s                              |
| Hopper volume                              | 1m³                                 |
| Feeding height                             | 1470mm                              |
| Discharging height                         | 1300mm                              |
| DOC+CDPF (exhaust gas purification system) | Yes                                 |

### Schematic diagram:



Note: Due to different customer needs, the parameter settings may vary. Our company reserves the final right of interpretation for the above content. If you need product customization or to get a quote, please call the consultation hotline +86 15215510300 or send an email to [lance@ah-jarlo.com](mailto:lance@ah-jarlo.com)