Technical Data

1.1 Configuration of the Integrated Equipment

(1) Engine

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Type</th>
<th>Design</th>
<th>Air intake system</th>
<th>Exhaust system</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEUTZ AG</td>
<td>F6L914 89KW/2500rpm or BF6L914 112KW/2500rpm</td>
<td>Air-cooled diesel engine two-stage combustion</td>
<td>Dry filter</td>
<td>Purifier/Silencer</td>
</tr>
</tbody>
</table>
(2) Torque converter
- Manufacturer: DANA
- Type: C272
- Design: Single-stage industrial type with auxiliary
  Drives pump for steering and dump/hoist as well as brake pump.

(3) Power shift transmission
- Manufacturer: DANA
- Type: R32000
- Design: Power shift transmission with 4 forward/reverse speeds

(4) Axles
- Type: Self-made FAMA35 axle with Posi-stop brakes
- Rigid planetary axles with differential gear

(5) Design of brake system
- Design of service brake: Spring Applied Hydraulic Release
- Design of parking brake: Spring Applied hydraulic release

(6) Hydraulic system
- Dump/hoist hydraulic system
  - Number of hoist cylinders: 1
  - Number of dump cylinders: 1
- Working time
  - Boom raising +Bucket raising from dumping position: <15 seconds
- Capacity of working system: 119L/Min
- Max. Operating pressure: 13.8MPa
- Steering hydraulic system
  - Number of steering cylinders: 1 (articulated, hydraulic, bidirectional)
  - Steering Pump Capacity: 24 Gal/Min
  - Steering system pressure: 13.8MPa

(7) Wheels and tires
- Tires: 12.00-24

1.2 Performance of the Integrated Equipment

(1) Main dimensions
- Length: $6825 \pm 100$ mm
- Width: $1655 \pm 50$ mm
### FAML - 2. Diesel LHD

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height (above driver’s canopy)</td>
<td>2070 ± 50 mm</td>
</tr>
<tr>
<td>Bucket capacity (SAE, heaped)</td>
<td>1.78 M³</td>
</tr>
<tr>
<td>Width of the bucket</td>
<td>1655 ± 50mm (standard)</td>
</tr>
<tr>
<td>Max hoist height</td>
<td>3777 ± 50 mm</td>
</tr>
<tr>
<td>Max unloading height</td>
<td>1495 ± 50 mm</td>
</tr>
<tr>
<td>Unloading angle</td>
<td>40°</td>
</tr>
<tr>
<td>Inner clearance circle</td>
<td>2691 ± 150 mm</td>
</tr>
<tr>
<td>Outer clearance circle</td>
<td>4890 ± 250 mm</td>
</tr>
<tr>
<td>Steering angle</td>
<td>40°</td>
</tr>
</tbody>
</table>

(2) Weights
- Operating weight: 10500 kg
- Payload: 3600 kg

(3) Driving capacities
- Maximum driving speed, laden forward/reverse, on a level roadway
  - 1st gear: 0 ~ 5.2km/h
  - 2nd gear: 0 ~ 7.6km/h
  - 3rd gear: 0 ~ 12.5km/h
  - 4th gear: 0 ~ 16.4km/h
- Maximum admissible gradient: 1st gear 14%, 2nd gear 34%;
- Maximum tractive force: 155 kN
- Maximum shoveling force: 125 kN

(4) Electrical equipment
- Operating voltage: 24 V
- Alternator: 28 V/55 A
- Battery: 2x12 V/165 Ah
- Starting motor: 3.6kw/24V

(5) Filling volumes
- Fuel tank: 150 L
- Hydraulic tank: 144 L

Remarks:
Fambition will keep right to improve the specifications without advanced notification.