

# 2FGH MANURE SPEADER



## Working Principle

The dry manure spreader is a kind of new type of agricultural machinery that uses tractor as power to throw fermented manure(including compost and waterlogged compost) back to the field.

The machine uses tractor as the main power output, driving the conveyor chain inside the carriage transporting fertilizer backwards automatically.



The manure is shattered by the high-speed rotating throwing and crushing wheels and returned to the field evenly.

The machine can help farmers reduce the labor intensity, improve the fertilization efficiency and soil structure.

## Tires

17.5-25 tires, simple structure, easy maintenance and durable.

## Italy made ADR Axles

higher and safer coefficient, more durable, less maintenance, better braking performance, more accurate and sensitive automatic rotation system.

## Rotating shaft

The crushing wheels equipped on the rotating shaft are distributed in a step-like shape, which crushes more uniform. The built-in speed reducer has an overload protection function, which can reduce the damage of transmission.

## Brake plate

A baffle plate is provided at the top of rear end of the carriage, which can control the amount of manure effectively.

## Guardrail

Guardrail panels can be added on both sides of the carriage to enlarge the space and increase the loading capacity above 15%.



## PRODUCT ADVANTAGES

- 1、 It has the characteristics of flexible mobility, simple structure, easy operation,spread evenly and high operating efficiency.
- 2、 Simple structure is the design purpose-the scraper chain is used to feed fertilizer, which reduces the wear of moving parts, and discharges materials more quickly and has a long service life.
- 3、 The hydraulic parts are imported from Italy, the three-wheel drive gearbox, and the traction head is made of steel, which is more durable .



# 2FGH MANURE SPREADER



## ORGANIC FERTILIZER PRODUCTION EQUIPMENT SERIES

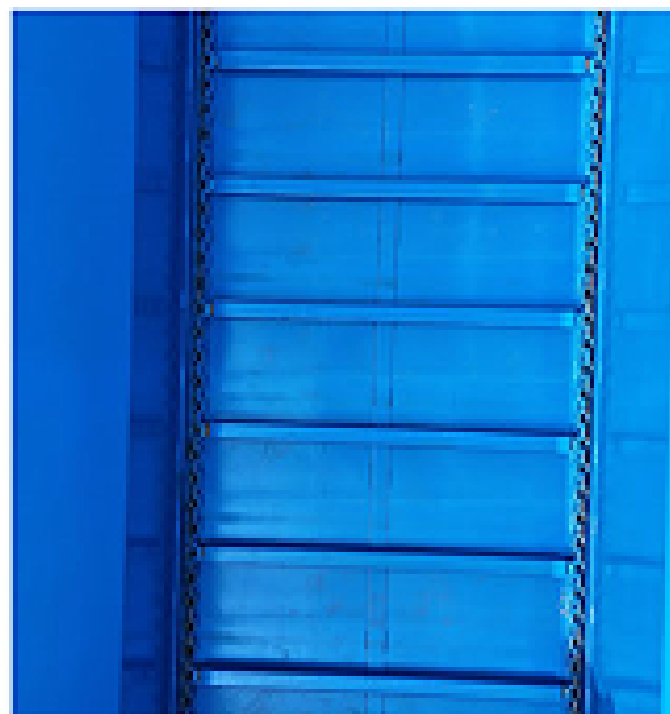


### **Twin dynamically balanced vertical augers**

Twin 865mm diameter dynamically balanced vertical augers have flights laser cut from heat treated BORON steel to improve strength and service life. 20mm thick reversible hardened cutters manufactured using BORON steel are bolted and supported a-long back edge, shred products leaving a wide and even spread. Two fixed position BORON steel bottom blades per auger give wider spread widths of materials that are either fine or wet.

### **305mm Bolt on Flared Extensions**

305mm Bolt on flared extension sides are standard on the 180. Spreader design load capacity should be checked relative to the density of the material to be carried. Bolt on is standard as it aimed for machines being containerised for transport

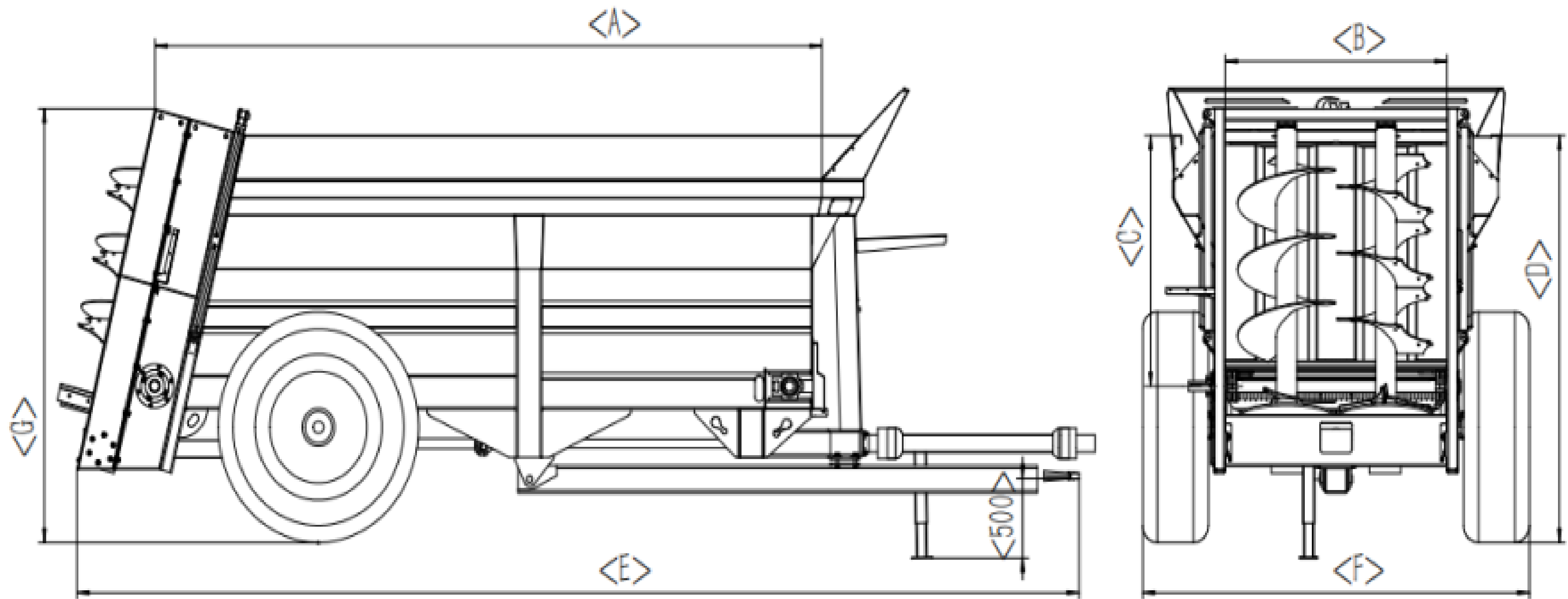


### **Full width floor slats**

Full width floor slats clear the whole floor eliminating the possibility of bridging – a problem sometimes encountered with multi slat floor systems. The socket fit design facilitates maintenance, which can be carried out in the field. It also allows the chain to pull straight, should a slat become bent



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|         | A    | B    | C    | D    | E    | F    | G    |
|---------|------|------|------|------|------|------|------|
| 2FGH-6  | 3500 | 1500 | 1200 | 2125 | 5730 | 2610 | 2540 |
| 2FGH-10 | 4500 | 1500 | 1470 | 2325 | 6730 | 2610 | 2540 |
| 2FGH-12 | 5120 | 1500 | 1510 | 2385 | 7460 | 2915 | 2750 |
| 2FGH-16 | 6900 | 1500 | 1510 | 2385 | 9030 | 2915 | 2750 |

| Model                                       | 2FGH-6                                           | 2FGH-10                                       | 2FGH-12                                      | 2FGH-16                                      | 2FGH-24                                      | 2FGH-32                                      |
|---------------------------------------------|--------------------------------------------------|-----------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
| Tank volume(m <sup>3</sup> )                | ≥6                                               | ≥10                                           | ≥12                                          | ≥16                                          | ≥16                                          | ≥16                                          |
| Max loading (kg)                            | ≥7000                                            | ≥12000                                        | ≥14000                                       | ≥20000                                       | ≥30000                                       | ≥38000                                       |
| Weight (kg) )                               | ≥2300                                            | ≥3500                                         | ≥4850                                        | ≥5600                                        | ≥7600                                        | ≥96400                                       |
| Spreading width<br>(m)                      | ≥6-18                                            | ≥6-18                                         | ≥6-18                                        | ≥6-18                                        | ≥6-18                                        | ≥6-18                                        |
| Overall<br>dimension(mm)                    | 5730X2610X2540                                   | 6730X2610X2540                                | 7460X2915X2750                               | 9030X2915X2750                               | 10850X2915X2750                              | 11500X3150X3050                              |
| Tank<br>dimension(mm)                       | 3500X1500X1200                                   | 4500×1500×1470                                | 5120×1500×1510                               | 6900×1500×1510                               | 7800×1500×1510                               | 8000×2200×2000                               |
| Spreading type                              | Vertical double auger<br>rear spreading          | Vertical double auger<br>rear spreading       | Vertical double auger<br>rear spreading      | Vertical double auger<br>rear spreading      | Vertical double auger<br>rear spreading      | Vertical double auger<br>rear spreading      |
| Number of blades<br>of single auger<br>(pc) | 18 (Contains 3<br>fertilizer spreader<br>blades) | 18 (Contains 3 fertilizer<br>spreader blades) | 27(Contains 3 fertilizer<br>spreader blades) | 27(Contains 3 fertilizer<br>spreader blades) | 27(Contains 3 fertilizer<br>spreader blades) | 36(Contains 3 fertilizer<br>spreader blades) |
| Diameter of auger<br>(mm)                   | 760                                              | 760                                           | 760                                          | 760                                          | 760                                          | 980                                          |
| Auger installation<br>direction             | Vertical                                         | Vertical                                      | Vertical                                     | Vertical                                     | Vertical                                     | Vertical                                     |

Packing picture

