

What is electric flat die pellet mill

Flat die pellet mill is one of the three main kind pellet mills, it is also called small pellet mill, because the shape of the die is a disc shape, so it got name of flat die pellet mill. The electric flat die pellet mill is use electric motor as power source.

The structure of flat die pellet mill is quite easy since it is a small machine, the motor and reducer us the driving part, motor give power to main shaft to rotating, the rollers will rotating together with main shaft, under the rollers is the flat die, the rollers press material into hole of flat die to make pellets.



Flat die pellet mill structure

Electric flat die pellet mill advantages

1. Small machine, easy install and operate, just put the machine on ground and connect electricity, the machine can start work
2. Electric motor, we can assemble motor with voltage as your requirement, for the smallest model single phase electricity is enough
3. Power and labor save, small investment with high production efficiency
4. Suitable for home usage or small pellet making business
5. People can buy it to make small quantity pellets for home heating or farm using
6. Easy maintain, just need to change the roller and flat die when they are worn out.



Flat die and rollers for electric flat die pellet mill

Electric flat die pellet mill technical data

Model	Power	Capacity (make wood pellets)	Flat die Φ	Net/Gross Weight	Dimension
120B	3 Kw	40-60Kg/h	120 mm	80/100 Kg	750x320x610xmm
150B	4 Kw	50-90Kg/h	150 mm	95/115 Kg	750x350x650mm
200B	7.5 Kw	110-140Kg/h	200 mm	200/230 Kg	1000x430x950mm
230B	11 Kw	150-190Kg/h	230 mm	290/320 Kg	1140x470x970mm

260B	15 Kw	200-280Kg/h	260 mm	330/360 Kg	1200x520x1070mm
300B	22 Kw	250-320Kg/h	300 mm	420/450 Kg	1270x520x1070mm
360B	22 Kw	300-380Kg/h	360 mm	470/500 Kg	1340x580x1060mm
400B	30 Kw	400-500Kg/h	400 mm	630/660 Kg	1450x620x1150mm

How to choose a suitable pellet mill

There are three kind pellet mills: Horizontal ring die pellet mill, Vertical ring die pellet mill and Flat die pellet mill.

1. Horizontal ring die pellet mill, during machine working the rollers are stable, the ring die is rotating, adopt force feeder system, it can suitable for both low bulk density and high density raw material, this character decide it have the most widely usage. If you want to make biomass fuel pellets, but you do not know which pellet mill to choose, just take a [horizontal ring die pellet mill](#).
2. Vertical ring die pellet mill, during machine working the rollers are running, ring die is stable, the rollers, ring die and shaft is installed in a vertical level, due to it's structure, it is much more suitable for low bulk density raw material, such as peanut shell, sunflower husk, powder chopped from straw, because these kind of raw material is soft and bulk density is low, so it is easier to press into pellets in this kind of pellet mill. So, if your raw material is peanut shell, sunflower husk, straw and low bulk density soft raw material a [vertical ring die pellet mill](#) is much more suitable for you.
3. Flat die pellet mill, during machine working the rollers is running and flat die is stable, this kind of pellet mill is small and capacity is low,the biggest machine capacity is 500kg/h. If you produce pellets in small quantity, flat die pellet mill is your best choice, it is usually chose by home using, farmer, small quantity producer and beginners of pellet making.