

SCREW OIL EXPELLER



General Description:

This machine is suitable for the extraction of vegetable oils from such oil-bearing materials as rape seed, peanuts, sesame seed, cotton seed, soya beans, coconuts, tea seed, sunflower seed, etc. (The pressing worms can be replaced as required by the user for the purpose of the extraction of oils from some other oil-bearing materials, such as rice bran oil and the like.)

Features:

1. All such main parts of this machine as worm shaft pressing worms, cage bars, gears and so forth are made of high-grade alloy steel though hardening treatment. As a result, in spite of the conditions of high temperature and abrasion under which they work day and night, they keep durable for a considerable period.
2. The combination of steaming and roasting is also one of the features of this machine. It can be regulated in accordance with the varied requirements of various oil-bearing materials for the temperatures before pressing so as to get high quality oils.
3. The whole process from feeding, steaming, roasting up to the discharge of oil and cake goes on automatically and continuously, so it is easy to operate the machine, which results in the saving of labour.

Technical Data:

1. Capacity (The Treating Capacity For Seeds)

Name of oil seed	Capacity(kg/24hrs)	Oil yield(%)	Residual oil dry cake(%)
Peanuts	9000-10000	38-45	5-6
Rape seed	9000-12000	33-38	6-7
Sesame seed	6500-7500	42-47	7-7.5
Cotton beans	9000-10000	30-33	5-6
Soya beans	8000-9000	11-14	5-6
Sunflower seed	7000-8000	22-15	6-7
Rice bran	6000-7000	10-14	6-7

2. Inside diameter of steaming kettle: ϕ 1220 mm
3. Stirring shaft speed: 35 rpm
4. Steam pressure: 5~6 kg/cm²
5. Pressing bores: Front section ϕ 180 mm
Rear section ϕ 152 mm
6. Pressing worm speed: 8 rpm
7. Feed shaft speed: 69 rpm
8. Pressing time in cage: 2.5 min
9. Seed steaming and roasting time: 90 min
10. Max. temperature for seed steaming and roasting: 125-128 °C
11. Power demand: 18.5 kw
12. Overall dimensions (L×W×H): 2850×1850×3270mm
13. Weight: 5000 kg