

Orthodox Dryer

“MESCO” Multipurpose Drier is suitable for drying Orthodox, Green and CTC Tea, in addition to these it is also used to dry other agricultural and herbal products such as Chillies, Desiccated Coconut, Sesame seeds etc. Made by combining the principal of double tray circuit and fluidised bed for even moisture evaporation. A power-efficient dust extraction system designed to maintain air balance within the drier, extract only fibre and fluff leaving the tea particles inside the drier.

Technical Specification

| Description | | 4 Mod 16' x 6' | 5 Mod 20' x 6' | 6 Mod 24' x 6' | 7 Mod 28' x 6' | 8 Mod 32' x 6' |
|---|----------|----------------|----------------|----------------|----------------|----------------|
| Water Evaporation Capacity (Kgs./hr.) | CTC | 570 | 710 | 850 | 990 | 1130 |
| | Orthodox | 460 | 530 | 600 | 670 | 740 |
| Drier Output (Made Tea Kgs./hr.) | CTC | 250 | 300 | 380 | 450 | 500 |
| | Orthodox | 300 | 360 | 430 | 500 | 580 |
| Hot Air Requirement at 120° C | Kgs./hr. | 23000 | 28000 | 34000 | 40000 | 48000 |
| | CFM | 15000 | 19000 | 24000 | 27000 | 32000 |
| Max Heat Load Required | Kcal/hr. | 400000 | 690000 | 800000 | 980000 | 1290000 |
| Drying System with Power Requirement | | | | | | |
| Hot Air Fan | H.P. | 20 | 25 | 30 | 40 | 40 |
| Feed Conveyor | H.P. | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Top Circuit | H.P. | 2 | 2 | 2 | 2 | 2 |
| Bottom Circuit | H.P. | 2 | 2 | 2 | 2 | 2 |
| Air Locking System | H.P. | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Discharge Conveyor | H.P. | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Dust Collection System | | | | | | |
| Dust Extractor Fan 1 | H.P. | 5 | 5 | 5 | 5 | 7.5 |
| Dust Extractor Fan 2 | H.P. | 5 | 5 | 5 | 5 | 7.5 |
| Dust Extractor Fan 3 | H.P. | | 5 | 5 | 7.5 | 7.5 |
| Dust Extractor Fan 4 | H.P. | | | 5 | 7.5 | 7.5 |
| Overall Dimensions | | | | | | |
| Length - 1 | MM | 4880 | 6100 | 7320 | 8540 | 9760 |
| Length - 2 | MM | 5399 | 6619 | 7839 | 9059 | 10279 |
| Length - 3 | MM | 10084 | 11304 | 12524 | 13744 | 14964 |

NOTE: Moisture Content 55% for Orthodox and 70% for CTC.

(Due to continuous process of product development, the design is subject to change without prior notice.)