

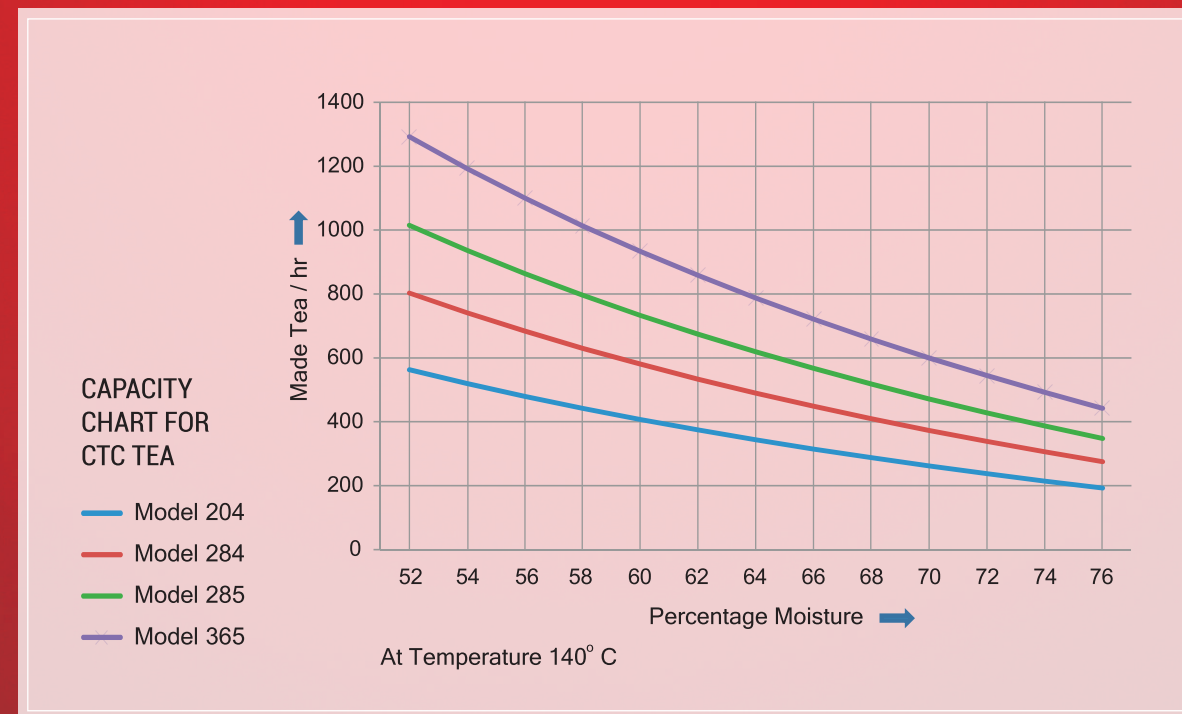


SPECIFICATION

VIBRANT	POWER		HEAT REQUIRED (K cal)	OUTPUT (Kg/hr)	DIMENSIONS (mm)		
	DC	SYSTEM			LENGTH	WIDTH	HEIGHT
204	15 HP	33 HP	605000	250-350	10720	3920	3100
284	25 HP	38 HP	850000	350-500	13346	3918	4115
285	25 HP	45 HP	1050000	450-630	13346	4193	4115
365	37.5 HP	71 HP	1300000	600-800	16445	4192	4310

Due to continuous process of development the design is subject to change without notice.

DRYING CURVES FOR CTC TEA



T & I GLOBAL LIMITED

PARTNERING THE TEA INDUSTRY WORLDWIDE

TIGL, an engineering conglomerate and ISO 9001 organization is a leading manufacturer of Tea Processing Machinery with an established user base in every tea growing area of the world. Our manufacturing units are located in the engineering hubs of Coimbatore and Kolkata. Together they offer the following latest range of machinery.

- Wizard** Continuous Withering Machine
- Tivane** The Ideal Pre-conditioner for Quality Teas
- KaizenNova** The Trailblazing CTC Machine
- Matrix PVB** Fermenting Machine
- Conquest** Combination Tea Dryer
- Blaze** Zero Casting Steel Heater
- Shola** Efficient Air Heater
- Axis** Auto Milling Machine
- Smart Axis** Auto Chasing Machine
- Tea Colour Sorter**

We at TIGL are committed to provide our customers with processing solutions which are cost-effective, energy efficient and result oriented. Above all, we back up with the our best customer support.

Design Concept BLACKPENCIL 09163815177

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NEW DRIVE TECHNOLOGY

Vibrant
THE DRYING PERFECTIONIST



MORE Efficient

Less Energy Consumption

Sturdy Construction

INTRODUCTION

Backed by advanced R&D, T & I Global Limited (TIGL) introduces the ultimate next generation vibratory fluid bed technology - VIBRANT. The heart of VIBRANT is its revolutionary and logical drive mechanism, which not only ensures that the tea moves first-in-first out sequence but also gives full control over the residence time of drying. VIBRANT is the latest TIGL dryer, designed to produce teas with bright liquors and infusions, blacker appearances with better bloom and density.

EFFICIENT VIBRO TECHNOLOGY USED

Swiss Rosta Vibro Technology having better elasticity is used in lieu of leaf spring used in conventional VFBDs.

Vibratory Motors can be regulated to achieve desired quality of teas.



NEW DRIVE TECHNOLOGY

The fluidization is achieved by using high frequency *vibro* motors which impart vibration to the grid plate. The vibration can be regulated to get the suitable residence time and have desired quality of the tea manufactured. No eccentric crank shaft is used, thus minimizing maintenance cost.

MAKING BETTER TEAS

Avoid pan-firing is the new technology of vibrating VIBRANT.
Eliminate stewing, case hardening, uneven firing and dual coloring.
Lower energy consumption.

VIBRANT ensures fermented teas are perpetually air-borne through high-frequency vibration.
Modular and compact design for fast installation.
Designed to cater to a range of capacities.

SALIENT FEATURES & ADVANTAGES

- Unique drive mechanism employing Vibro Motor instead of eccentric shaft.
- Implementation of Vibro Motor giving better flexibility to change the RPM and amplitude of vibration.
- Swiss Rosta Vibro Technology (SRVT) having better elasticity in lieu of leaf spring.
- Combined effect of Vibro Motor and SRVT gives better control on holding capacity and residence time.
- 3 damper arrangements are provided in the outlet hot air duct, instead of 2 like in conventional VFBDs to have a better control of air flow in the respective zones.
- Adaptable to all types of heaters: Firewood, Coal, gas and direct oil fired.

