

TITAN

1400 | 1600 | 1700 | 1900 | 2200 | 2400

The TITAN[®] Batch Centrifugal is designed to be a low-maintenance, efficient and cost-effective solution while providing a high return on investment for the end-user. Maintenance is reduced by minimizing the number of moving parts and the use of high strength alloys and non-metallic, food grade, components. The latest variable frequency drive technology and PLC controls ensures efficient operation with low power consumption. The TITAN[®] Batch Centrifugal is available in capacities from 1400 Kg to 2400 Kg.

Design Features

Largest open area of baskets in the market today for unsurpassed purging

Enclosed feed system with anti-drip valve to prevent product contamination

Intelligent loading system learns/maximizes basket fill rate every cycle

Totally unobstructed, **downward opening basket bottom valve**

Discharger plow with spring-loaded tip for efficient unloading and screen protection

Compact and efficient **variable frequency drive**, no encoder required; motor matched to the variable frequency drive for maximum compatibility

Fixed wash manifold with modern, efficient fan style nozzles

Disk brake for emergency stopping

Solid state **gyration and vibration monitoring**

Lowest energy cost per ton of massecuite

Bearing Temperature and Vibration Monitoring available on drive heads

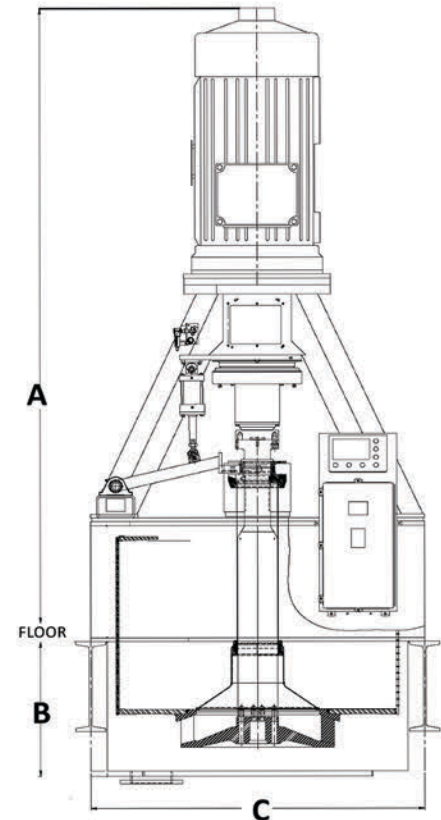


TITAN Batch Models

Model	Basket Size	RPM (Nominal)	Actual Volume	Static Volume (Kg/charge)	Dynamic Volume* (pre-purge) (Kg/charge)	Maximum Cycles/Hour	Hourly Rate	Basket % O.A.	No. Holes (0.3120")
1400	54" x 40" x 9.0"	1140	29.5 ft ³	1269	1421	30	42.6 MTPH	3.64%	3234
	1372 mm x 1016 mm x 229 mm		0.84 m ³						
1600	57" x 40" x 9.5"	1100	32.8 ft ³	1410	1579	30	47.4 MTPH	3.63%	3402
	1448 mm x 1016 mm x 241 mm		0.93 m ³						
1700	57" x 43" x 9.5"	1100	35.3 ft ³	1518	1700	30	51.0 MTPH	3.65%	3680
	1448 mm x 1092 mm x 241 mm		1.00 m ³						
1900	60" x 45" x 9.625"	1080	39.7 ft ³	1707	1912	30	57.4 MTPH	3.63%	4032
	1524 mm x 1143 mm x 244 mm		1.12 m ³						
2200	66" x 45" x 10"	1035	45.8 ft ³	1969	2205	28	61.7 MTPH	3.66%	4464
	1676 mm x 1143 mm x 254 mm		1.30 m ³						
2400	72" x 45" x 10"	1000	50.7 ft ³	2180	2442	28	68.4 MTPH	3.64%	4848
	1829 mm x 1143 mm x 254 mm		1.44 m ³						

*12% NOTES: Final results will depend on machine options, type of sugar, process conditions and quality of massecuite

TITAN BATCH CENTRIFUGALS OVERALL DIMENSIONS



Model	Floor to Top of Motor (A)	Floor to Bottom of Discharge Chute (B)	Footprint (C)
1400	143.4" (3642.36 mm)	32.3" (820.42 mm)	72" x 72" (1828.8 mm x 1828.8 mm)
1600	143.4" (3642.36 mm)	32.3" (820.42 mm)	72" x 72" (1828.8 mm x 1828.8 mm)
1700	143.4" (3642.36 mm)	35.3" (896.62 mm)	72" x 72" (1828.8 mm x 1828.8 mm)
1900	163.81" (4160.77 mm)	35.44" (900.176 mm)	75" x 75" (1905 mm x 1905 mm)
2200	169.76" (4311.90 mm)	35.44" (900.176 mm)	80.5" x 80.5" (2044.7 mm x 2044.7 mm)
2400	181.45" (4608.83 mm)	35.44" (900.176 mm)	87" x 87" (2209.8 mm x 2209.8 mm)