

# HIGH SPEED DISPERSER

## HYDRAULIC TREE TYPE

### 1. DESCRIPTION

The Chem Maco High Speed Disperser is a heavy-duty industrial dispersion machine engineered for efficient paint mixing, pigment dispersion, chemical blending, resin processing, and high shear mixing applications. Designed with a robust structural framework, precision-engineered shaft assembly, and high-efficiency saw-tooth cowl impeller, the machine delivers rapid wetting, deagglomeration, and uniform dispersion of solid-liquid systems. Widely used across paint, coating, ink, adhesive, construction chemical, and specialty chemical industries, Chem Maco High Speed Dispersers are built for reliable continuous operation, low maintenance requirements, and long service life. With heavy-duty construction and industrial-grade components, these machines are designed to provide stable performance and dependable production for decades under demanding plant conditions.

ALSO AVAILABLE IN LABORATORY SCALE

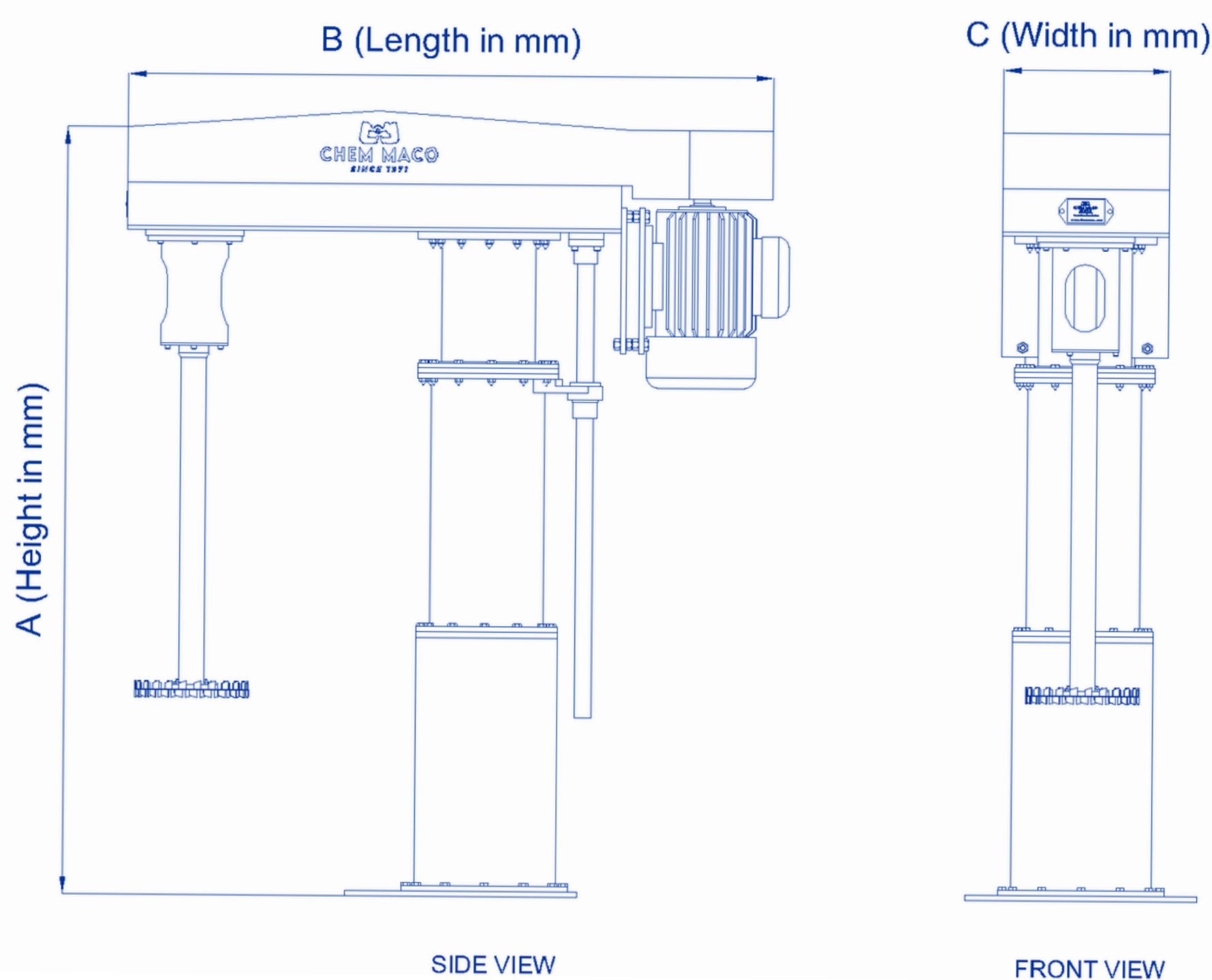


### 2. TECHNICAL SPECIFICATIONS

MODEL	HSD-HT-100	HSD-HT-200	HSD-HT-500	HSD-HT-1000
Batch Capacity (Approx.)	100 kg	200 kg	500 kg	1000 kg
Motor Power	3 HP	5 HP	7.5 HP	15 HP
Speed Range	0 – 1450 RPM (Variable Frequency Drive)			
Dispersing Blade Diameter	Ø 200 mm	Ø 250 mm	Ø 300 mm	Ø 400 mm
No. of Blades	1 Nos.	1 Nos.	1 Nos.	1 Nos.
Lift Type	Hydraulic (Tree Type)			
Lift Stroke	600 mm	700 mm	1000 mm	1400 mm
Powerpack Motor	0.5 HP	1 HP	2 HP	2 HP
Construction	Mild Steel Fabricated (SS 304 / SS 316 Contact Parts Options)			
Power Supply	415V, 3Ph, 50Hz (Other Voltages on Request)			
Control Panel	FLP / Ex-d (Optional) with VFD for Speed Control			
Mounting	Floor Mounted			

**Note:** All capacities are approximate and may vary depending on material viscosity, specific gravity and process conditions.

### 3. GENERAL ASSEMBLY DRAWING



### 4. DIMENSIONS (APPROX)

MODEL	A HEIGHT (mm)	B LENGTH (mm)	C BREADTH (mm)
HSD-HT-100	1950	1550	420
HSD-HT-200	2100	1700	450
HSD-HT-500	2216	1861	480
HSD-HT-1000	2600	2200	600

**Note:** Dimensions are approximate and may change based on customization.

