



DDE 6542 Decanter

HAUS
CENTRIFUGE TECHNOLOGIES

Beyond Expectations

High performance DDE decaners are designed for municipal and industrial waste water treatment plants as well as potable water treatment plants. DDE design is developed to minimize polymer consumption and ensure maximum dryness even with high inlet flow rates. This outstanding result is ensured by optimum torque control at high centrifuge forces. The key advantages of DDE decaners are:

- Excellent separation**
- Maximum dewatering**
- Dual Drive**
- High performance/price ratio**
- Continuous and problem free operation**
- Compact design**
- Mobile solutions**
- Continuous service and spare parts service**

Complete range of DDE decaners features a user friendly, compact design with all wet parts made of wear-resistant materials. DDE decaners provide continuous and trouble-free operation and flexible process control.

Flexibility

Thanks to the Dual Drive design and user friendly PLC interface, DDE decanter allows its users to have a full control over the process and gives many options to adjust the decanter settings.

The DDE decanter centrifuge can be adjusted for maximum performance by:

- Adjustable bowl speed and providing the necessary G force,**
- Adjustable conveyor speed and**
- Adjustable pond depth in the bowl for the best liquid clarity and best DS content in the cake.**

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Standard Configuration

Bowl Diameter (mm)	650	* Main Motor	75 kW / 90 kW / 110 kW
Nominal Bowl Speed (rpm)	2500	Scroll Drive	22 kW / 30 kW
Maximum Bowl Speed (rpm)	2600	Gearbox Torque	12500 Nm / 25800 Nm
Max G-Force	2441		
L/D Ratio	4,21		

Property	Standard	Option
Bowl Material	Dublex Stainless Steel (DIN 1.4470)	
Scroll Body & Flights Material	AISI 304	AISI 316 / AISI 316L / Dublex stainless steel DIN 1.4470
Wear Protection - Scroll Flights	Flame sprayed Tungsten Carbide	Replaceable Sintered Tungsten Carbide Plate
Wear Protection - Scroll Feed Outlets	Flame sprayed Tungsten Carbide Plate	Replaceable Polyurethane Wear Plate
Wear Protection - Bowl Discharge Outlets	Replaceable hardened cast iron bush	Replaceable Sintered Tungsten Carbide Bushings
Wear Protection – Bowl Inner Surface	AISI 316 Ti	
Gearbox Type	Cycloidal	
Motor Efficiency	IE2 (High efficiency)	IE3 (Premium efficiency)
Lubrication of Bearings	Manual	Automatic
Frequency Inverter	Dual Frequency Inverter: DANFOSS	
MCC and DCC Panel	Suitable for Indoor Installations. Electrostatic Painted Carbon Steel Outer Surface Panel. Protection class IP54**	
PLC	SIEMENS S7-1214 C	
Touchscreen	SIEMENS 7" KTP 700 PN	
The Apparatus Delivered With The Machine	Bowl Bearing Puller Apparatus Scroll Bearing Puller Apparatus Wrench Set Grease Nipple (Manuel) Tool Bag	
Optional Items	Wear Protection Packages ATEX Compliant – Decanter & MCC & DCC CIP (Clean in Place) Package for bowl and tank	

*Motor Powers are determined in terms of project

**Untreated Panel protection class

Weights: Weight of the Machine: 95 kN Heaviest Components: 45 kN (Frame), Rotor and Gearbox: 40 kN

