



# Centrifuge

The HH 5500 Standard is a configuration of a drive system for a decanting centrifuge. This configuration is the most basic of many available configurations. The centrifuge bowl is driven by a main drive motor and the conveyor is drive through a planetary gear box with a simple torque arm set up.

The torque arm is torque limiting device to protect both gearbox and conveyor against mechanical overload. The conveyor speed is simply the bowl RPM reduced by the gearbox ratio.

The HH 550 Standard can be delivered in different variants, explosion proof for hazardous areas, sanitary for food applications, or in a normal Nema 4 execution.

Main drive motor is set up with a sheave that allows simple selection of speeds, by moving the v-belt assembly.

Alternatively, the main drive can be setup with VFD starter and electric selection of main drive speeds.

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## Technical Specifications

<b>Maximum rated capacity</b>	225 GPM	<b>Bowl</b>	
Minimum Temperature	30° F	Diameter	16"
Maximum Temperature	122°F	Length	55"
RPM standard step sheave	2000 & 3050 RPM	Conical section	10 <sup>0</sup>
Run up time	8 minutes	Conveyor pitch	4.25"
Run down time	20 minutes		
<b>Materials</b>		<b>Gear Box</b>	
Bowl	AISI 316	Ratio	1:53
Conveyor body	AISI 316	Torque	36000 in-lbf
Frame	Cast iron	Main motor	60 HP
Covers	SS 316		
Paint	Epoxy	<b>Shipping Data</b>	
Conveyor tips	Tungsten carbide	Net weight	7650 lbs
Solids discharge	Tungsten carbide		

