



## Decanter Centrifuge Data Sheet

### V300 Generation 3 High-performance Decanter Centrifuge model (LYNX 300)

#### General Information

Typical application	Drilling Fluids
Max. design temp	220 Degrees Farenhiet
Centrifugal G-ratio	3549G @ 3600 RPM
Weight	6,160lbs

#### Bowl Assembly

Effective Bowl Dia.	14"
Effective Bowl Length	60"
Bowl Material	Super Duplex Stainless Steel
Conveyor Material	316 Stainless Steel
Bearing Seals	FKM
Conveyor Pitch	5"
Conveyor feedzone	3 Port (one piece) tungsten carbide
Solids Discharge wear protection	Full Tungsten carbide protection

#### Typical Process

Hydraulic Capacity	300gpm
Weighted Capacity (9lb Mud)	250gpm
Solids Removal Capacity (9lb Mud)	15,500lbs/hr
D50 Cut Point (9lb Mud)	< 5 $\mu$ m @ 2166 G Force
Solids Removal Efficiency @ 5 $\mu$ m	95%

#### Drives

Main motor size	50Hp Baldor 460 VFD
Main motor data	460 V / 60 Hz
Backdrive motor size	30Hp Baldor 460 VFD
Back drive motor data	460 V / 60 Hz
Gearbox Type	Direct drive 3 Stage Planetary
Gearbox Data	Ratio 1 :52, Torque 3.5kN
Pump	4" Gorman Rupp (300gpm @ 1200rpm)