



SIMPLY BUILT.
BETTER.

DECANTER CENTRIFUGES

Specification Sheet



	Series 10	Series 14	Series 17	Series 20	Series 24
Inside Bowl Dimensions	10" x 35"	14" x 48"	16.5" x 55.5"	20" x 70"	24" x 84"
Main Motor	20HP @ 3600 rpm 230/460 V	40HP @ 1800 rpm 230/460 V	75HP @ 1800 rpm 230/460 V	125HP @ 1800 rpm 230/460 V	150HP @ 1800 rpm 230/460 V
Back Drive Motor	5HP @ 3600 rpm 230/460 V	15HP @ 1800 rpm 230/460 V	25HP @ 1800 rpm 230/460 V	40HP @ 1800 rpm 230/460 V	50HP @ 1800 rpm 230/460 V
Gearbox and Ratio	Planetary Gearbox 76:1 ratio, Max Output torque 15,000 in/lbs	Planetary Gearbox 52:1 ratio, Max Output torque 18,000 in/lbs	Planetary Gearbox 53:1 ratio, Max Output torque 36,000 in/lbs	Planetary Gearbox 98:1 ratio, Max Output torque 90,000 in/lbs	Planetary Gearbox 95:1 ratio, Max Output torque 180,000 in/lbs
Max Pinion Input Torque	197 in/lbs	346 in/lbs	679 in/lbs	918 in/lbs	1,894 in/lbs
Overall Dimensions	9' x 3'6" x 2'-5 5/8"	10'6" x 4'1" x 5'-0 1/4"	11'5" x 5'-0" x 4- 2 1/2"	14'-11 1/4" x 5'-11" x 4'-11 1/2"	17'-10 3/4" x 5'-6 1/2" x 7'-10" (Lid Open)
Overall Estimated Dry Weight	4,500 lbs	6,500 lbs	9,000 lbs	16,500 lbs	23,000 lbs
Machine Capacity (Depending on feed slurry parameters)	Up to 40 gpm	Up to 125 gpm	Up to 230 gpm	Up to 400 gpm	Up to 600 gpm
Max Bowl RPM	4500	4000	3600	3300	3000
Normal Running RPM	Up to 4000	Up to 3600	Up to 3300	Up to 3000	Up to 2700
Max GForce	3000	3000	3000	3000	3000
Power Requirement	20HP Motor 230/460 Full Load Amp 44/22 5HP Motor 230/460 Full Load Amp 14/6.5	40HP Motor 230/460 Full Load Amp 94/47 15HP Motor 230/460 Full Load Amp 36.2/18.1	75HP Motor 230/460 Full Load Amp 168/84.1 25HP Motor 230/460 Full Load Amp 61/30.9	125HP Motor 230/460 Full Load Amp 288/144 40HP Motor 230/460 Full Load Amp 92/46	150HP Motor 230/460 Full Load Amp 344/172 50HP Motor 230/460 Full Load Amp 126/60

Oil and Gas | Refining/ Petrochemical | Agriculture | Municipal | Rendering | Food & Beverage | Horizontal Directional Drilling

www.visionmachine.com | 25045 Spring Ridge Dr.Spring, Texas 77386 | 832-562-2112 | sales@visionmachine.com