



3625 / 4432 SAND SCREW

Highly efficient Bucket Wheel range of Sand Classification Systems designed to operate with maximum versatility for efficient dewatering and fine sand recovery. The twin bucket units provide the removal of clays, silts and slimes to produce up to 2 grades of sand.

FEATURES

- ✓ Overflow flume and adjustable weir
- ✓ Material discharge chute
- ✓ Heavy duty hull
- ✓ Large pool area giving maximum capacity
- ✓ Minimal screw-hull clearance
- ✓ Drive belt guards
- ✓ Extra heavy duty gearbox with oil bath gear lubrication
- ✓ Containerised for transport reducing costs
- ✓ Heavy duty screws for high capacity fines recovery
- Replaceable shoe liners
- ✓ Cast wear plates on spiral blades
- ✓ Heavy-duty design with heat-treated helical gears
- ✓ Remote grease points
- ✓ Easy to assemble
- ✓ Low maintenance



SCREW SHAFT

Helical spiral segments with continuous submerged arc weld

Extra-thick, one piece shaft tubing

HULL

Helical spiral segments with continuous submerged arc weld

Extra-thick, one piece shaft tubing

FEED BOX

Internal and external baffles to deaden feed velocities

Provides uniform slurry mixture for maximum product retention

MCCLOSKEY GEAR REDUCER

Heavy-duty design with heat-treated helical gears

Triple reduction gearing allows 100% to 16% speed changes

100% of the shaft's thrust load carried by the output shaft(s)

Oil bath lubrication for maintenance-free operation

Drive guards standard equipment

3625S TECH SPECS

Length	8.6m (28')
Width	2.6m (8')
Height	3.9m (13')
Motor Power Recommended	15hp
Max Feed	100 (90)
Max Screw Speed	20rpm
Est. Operating Weights	30,000 (13,600)
Water Capacity (100 Mesh)	720 (163)
Water Capacity (200 Mesh)	180 (40)

3625T TECH SPECS

Length	8.5m (28')
Width	3.6m (12')
Height	3.9m (13')
Motor Power Recommended	15hp x 2
Max Feed	200 (181)
Max Screw Speed	20rpm
Est. Operating Weights	60,000 (27,215)
Water Capacity (100 Mesh)	1250 (283)
Water Capacity (200 Mesh)	360 (81)

4432S TECH SPECS

Length	10.5m (35')
Width	3.6m (12')
Height	4.8m (15')
Motor Power Recommended	25hp
Max Feed	175 (159)
Max Screw Speed	17rpm
Est. Operating Weights	70,000 (31,751)
Water Capacity (100 Mesh)	1720 (390)
Water Capacity (200 Mesh)	425 (96)

4432T TECH SPECS

Length	10.5m (35')
Width	4.9m (16')
Height	4.9m (16')
Motor Power Recommended	25hp x 2
Max Feed	350 (318)
Max Screw Speed	17rpm
Est. Operating Weights	130000 (27215)
Water Capacity (100 Mesh)	2800 (635)
Water Capacity (200 Mesh)	700 (158)