



**VSA Heavy Equipment**

**Contract 24-05-0713**

**Item Number: 1855**

**Model Number: ER-230**

**Group: Shredders**

**Make: McCloskey Environmental**

**MSRP: \$71,1126**

**Model: Flexflow Screen**

**Discount 6%: (\$-42,667.56)**

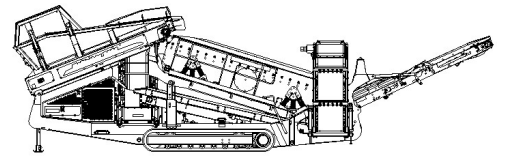
**Total Net Price: \$668,458.44**

**Price Does Not Include Freight**

Commonwealth Equipment \* 36 Hazleton St \* Ashley PA 18706

Phone: 877-217-4474 \* [commonwealthequipment.com](http://commonwealthequipment.com)

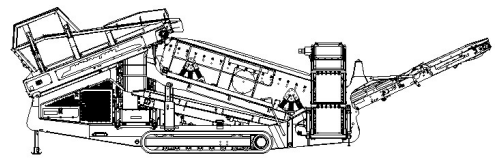
MST03282023



# ***SPECIFICATIONS***



## ***McCloskey*** ***R230***

**DESCRIPTION**

Heavy duty mobile screener with following features:

- 20x6 heavy duty high energy 2 bearing screenbox.
- 225Hp cylinder diesel engine.
- Track mobile.
- Direct feed Hardox lined hopper.
- Travel out fixed walkways.
- Integrated hydraulic folding stockpiling conveyors.
- Fast on site setup time – 10 minutes.
- Screen raises at lower end for easy bottom deck access.
- Service standing room inside Powerpack.

**DIMENSIONS AND WEIGHTS**

Length – working	16.5m (54' – 1")
Width – working	14.00m (46' – 5")
Length – transport	16.97m (55' – 8")
Width – transport	3.00m (9' – 10")
Height – transport	3.50m (11' – 5.8")
Weight – Belt Feeder	37,200 Kgs (82,000 lbs)
Weight – Apron Feeder	39,500 Kgs (87,083lbs)

**CAPACITIES**

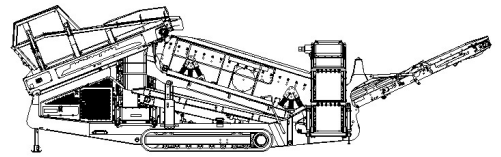
Diesel tank capacity	485 L (128 US gal)
Hydraulic tank capacity	800 L (211.3 US gal)
Capacity – hopper (level)	11.50 m <sup>3</sup>

**BELT FEED CONVEYOR**

Belt width	1500mm (60")
Belt spec	Heavy Duty Plain 500/4 8+2
Drive drum dia.	335mm (13.1")
Tail drum dia.	320mm (12.5")
Gearbox	Bonfig 805 W2 x 2 off
Gearbox ratio	24.2 : 1
Gearbox torque	14,000Nm cont, 25,000Nm max
Motor	Danfoss OMSS125 x 2 off
Flow rate	101.2 Lpm (26.7 US gpm)
Adjustable speed	YES
Maximum speed	16.7 rpm

**COLLECTION CONVEYOR**

Belt width	1400mm (55")
Belt spec	Plain 400/3 4+2
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6")
Motor	Danfoss OMV800
Flow rate	101.2 Lpm (66.6gpm)
Adjustable speed	YES
Maximum speed	126.5 rpm

**TAIL CONVEYOR**

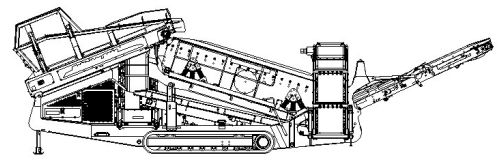
Stockpile height	3.83m (12' – 6")
Angle	12 to 24 degrees adjustable
Belt width	1600mm (64")
Belt spec	Heavy Duty Chevron – 500/3 5+1.5
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6")
Motor	Danfoss OMV500 dual drive
Flow rate	79.2 Lpm (20.9 US gpm)
Adjustable speed	YES
Maximum speed	79.2 rpm

**FINE PRODUCT SIDE CONVEYOR**

Stockpile height	4.10m (13' – 5.3")
Angle	20 to 25 degrees adjustable
Belt width	1050mm (42")
Belt spec	Plain - 400/3 4+2
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6")
Motor	Danfoss OMV630
Flow rate	101.2 Lpm (26.7 US gpm)
Adjustable speed	YES
Maximum speed	160.6 rpm

**MID PRODUCT SIDE CONVEYOR**

Stockpile height	3.66m (12')
Angle	14 to 25 degrees adjustable
Belt width	900mm (36")
Belt spec	Plain - 400/3 4+2
Drive drum dia.	270mm (10.6")
Tail drum dia.	200mm (8")
Motor	Danfoss OMT400
Flow rate	50.6 Lpm (13.4 US gpm)
Adjustable speed	YES
Maximum speed	126.5 rpm



### SCREENBOX

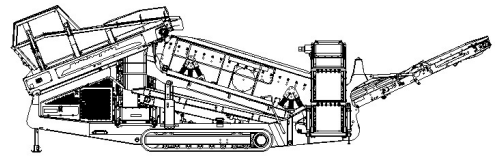
Dimensions – top deck	6.1m x 1.83m (20' x 6')
Dimensions – bottom deck	5.49m x 1.83m (18' x 6')
Bearing type	NSK 150mm bore – 22330 EVBC4
Screens – top deck	6' x 4' side tension – 5 off
Screens – bottom deck	6' x 6' end tension – 3 off
Tensioning – top deck	Quick release pin and wedge
Tensioning – bottom deck	Curved tension bar and adjuster
Screen angle	13 to 17 degrees adjustable
Screen motor	David Brown Hyd. MCC2216 (110.8cc/rev)
Drive system	Direct drive with HRC180 coupling
Hydraulic flowrate	138.6 Lpm (36.6gpm)
Speed adjustable	YES – Pressure compensated FCV
Screen stroke adjustable	8 – 10mm maximum
Screen shaft speed	950 rpm
Screen 'g' force	4.95 - 5.05 g

### POWERUNIT AND HYDRAULICS

Engine Options	CAT C7.1B Dual Cert Volvo D5 Dual cert (218HP)
Engine power	225 HP
Engine speed	2200 rpm
Flywheel Pump 1	David Brown Hyd. 5063,5046,5046
LH PTO Pump 2	David Brown Hyd. 5036,5023
Total system flow	470.8 Lpm (124.4 US Gpm)
Hydraulic tank capacity	800 L (211.3 US Gal)
Hydraulic tank ratio	1.70 : 1
Hydraulic Oil cooler	YES

### ELECTRICS

Emergency stops	4 off, 2 powerunit RH&LH, 2 chassis front sides RH&LH.
Chassis cabling	Armored cable
Start Siren	YES – 10 sec delay
Engine shutdowns:	Low oil pressure High water temp Air filter blockage (selectable) Fuel contamination Low hydraulic tank level
Engine room light	YES
Radio control tracks	optional – Hetronic system
Pendant track control	YES – plugged in at feeder end

**TRACKS**

Width	500mm (19.7")
Length	3800mm (12' – 6") crs.
Height	798mm (31.4")
Gearbox	Bonfiglioli 709
Ratio	142:1
Motor	Rexroth A2FE 90
Speed max	1.14 Kph (0.71 Mph)
Flow rate	101.2 Lpm (26.7 US Gpm)
Attachment to chassis	Bolt On for quick change

**APRON FEED CONVEYOR**

Apron width	1500mm (60")
Apron spec	12mm Hardox upper surface
Gearbox	Brevini 2090FP
Gearbox ratio	16:1
Gearbox torque	10,000Nm cont, 15,000Nm max
Motor	Danfoss OMTS400
Flow rate	101.2 Lpm (26.7 US gpm)
Adjustable speed	YES
Maximum speed	15.8 rpm

**SAFETY FEATURES**

External belt alignment points.  
External grease points.  
Engine safety shutdown systems.  
Full safety guarding for nip points.  
CE compliance.

**DUAL POWER**

Electric motor – 45kw @1450 rpm	Pump – Cast Iron 71cc/ 71cc tandem pump
Electric motor – 45kw @1450 rpm	Pump – Cast Iron 56cc/ 34cc tandem pump
Electric motor – 45kw @ 1450 rpm	Pump – Cast Iron 100cc pump
Total system flow	478 Lpm (126.2 US Gpm)

