Orbit Screens, Inc

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Performance Charts

Production study Model 68A Plant Screen opening size	For Asphalt Millings, Aggregates, Etc. Feed Rate in Cubic Yards Per hour	Cubic yards Yield rate Fines @ 60%	Cubic yards Yield rate Overs @ 40%	Time in Hours To Sceen 100 Cu. Yd.	Estimated Production in 8 hours Cu. Yd.	Estimated Production in 5 days Cu. Yd.
0.5=1/2"	74	44.40	29.60	1.35	592	2960
0.75=3/4"	87	52.20	34.80	1.15	696	3480
0.1=1"	102	61.20	40.80	0.98	816	4080
1.25=1 1/4"	119	71.40	47.60	0.84	952	4760
1.5=1 1/2"	125	75.00	50.00	0.80	1000	5000
2.0=2"	130	78.00	52.00	0.77	1040	5200
2.5=2 1/2"	130	78.00	52.00	0.77	1040	5200
3.0=3"	130	78.00	52.00	0.77	1040	5200

Assumptions:
The material divides @ 60% fines and 40% overs
The feeding rate is steady.
The numbers are estimates and only actual operation on site will prove performance levels.

Production study Model 68A Plant Screen opening size	For Asphalt Millings, Aggregates, Etc. Feed Rate in Cubic Yards Per hour	Cubic yards Yield rate Fines @ 90%	Cubic yards Yield rate Overs @ 10%	Time in Hours To Sceen 100 Cu. Yd.	Estimated Production in 8 hours Cu. Yd.	Estimated Production in 5 days Cu. Yd.
0.5=1/2"	60	54.00	6.00	1.67	480	2400
0.75=3/4"	72	64.80	7.20	1.39	576	2880
0.1=1"	85	76.50	8.50	1.18	680	3400
1.25=1 1/4"	96	86.40	9.60	1.04	768	3840
1.5=1 1/2"	112	100.80	11.20	0.89	896	4480
2.0=2"	118	106.20	11.80	0.85	944	4720
2.5=2 1/2"	118	106.20	11.80	0.85	944	4720
3.0=3"	118	106.20	11.80	0.85	944	4720

Assumptions: (Split is changed from above)
The material divides @ 90% fines and 10% overs
The feeding rate is steady.
The numbers are estimates and only actual operation on site will prove performance levels.

Notes: Estimated production rates shown are taken from interpolated performance of machines being used on actual job sites. Please consider they assume the materials are fit for screening and that hourly production rates indicated are those calculated from steady running without interuptions.

Please see Brad's Blog # 41, 42
http://www.orbitscreens.com/blog.html