

Stacker-reclaimer



Questionnaire

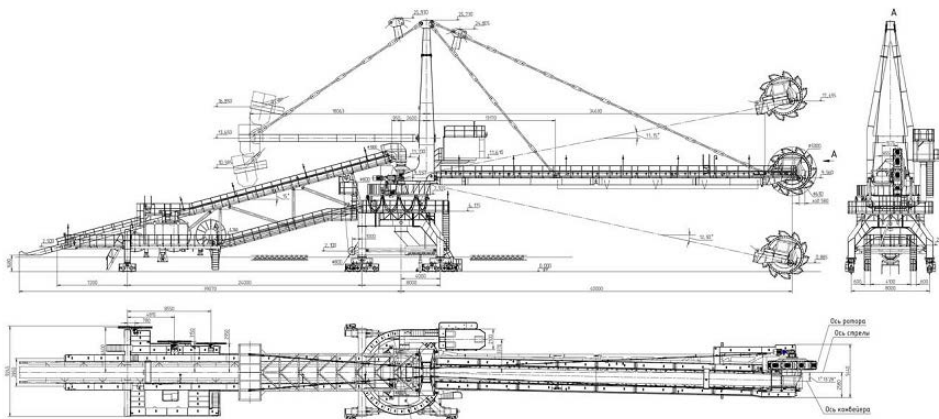
Technical specifications

Transported material specifications	
Material types	Any type of bulk or lump non-food cargoes
Material fraction size, mm	up to 300
Bulk weight, t/m ³	up to 4
Operating conditions	
Operating temperature range, C°	from -40 to +50
Maximum wind load value in working order, m/sec	14
Maximum wind load value out of service, m/sec	21
Equipment characteristics	
Stacking capacity	up to 5 000 t/hour
Boom outreach, m	up to 50
Track width, m	from 8 to 20
Stacker operation speed, m/min	5-20

Travel wheel diameter, mm	up to 900
Bucket rotor diameter, mm	12 000
Bucket quantity	up to 12
Bucket capacity, Dm ³	up to 350
Rotor revolution quantity, per min	up to 8
Rotor wheel turning speed at the center, m/min	5-35
Rotor wheel lifting speed, m/min	3.5°
Lifting and lowering boom angle	-12°...+12°
Belt gutter	35°
Belt width, mm	from 1 000 to 2 000
Belt travel speed, m/s	from 1.6 to 5
Turning speed, rpm	0.02...0.12
Turning angle relatively the stockyard conveyor, deg.	±90
Drive / motor reducer	Russian or foreign manufacturer according to customer's requirements
Power supply frequency, Hz	50
Power supply voltage, V	6 000
Operating mode per day, hours	22

Questionnaire

Please fill in the present questionnaire to help us to develop the appropriate technical and commercial proposal based on your inquiry.



1. Operating conditions				
1.1	Climatic zone			
1.2	Operating temperature range, C°	-20...+40	-40...+40	other
1.3	Seismic resistance, Richter scale			
1.4	Air humidity, %			
2. Operating characteristics				
2.1	Stacker mode capacity, t/hour			
2.2	Reclaimer mode capacity, t/hour			
2.3	Stacker-reclaimer mode capacity, t/year			
2.4	Conveyor belt width, mm			
2.5	Lifting height, m			
2.6	Maximum wind load value in working order, m/sec			
2.7	Maximum wind load value out of service, m/sec			
2.8	Stacker and reclaimer range, m			
2.9	Track width, mm			
2.10	Maximum rail load, N			
2.11	Stockpile height, m			
3. Material parameters				
3.1	Name of material			
3.2	Natural slope angle, deg.			
3.3	Bulk density, t/m ³			
3.4	Features	Abrasiveness		
		Adhesion		
		Bridging		
		Hygroscopicity		

4. Stockpile characteristics			
4.1	Stockpile cross section configuration		
4.2	Stockpile basis width, m		
4.3	Rail level stockpile height, m		
4.4	Rail level stockpile basis deepening, m		
4.5	On the basis stockpile length, m		
5. Stockyard conveyor characteristics			
5.1	Capacity, t/h		
5.2	Conveyor belt width, mm		
5.3	Conveyor belt speed, m/sec		
5.4	Height of the rail level conventional drum rim line, m		
5.5	Feed conveyor rack height, m (from rail head level to feed conveyor upper branch)		
6. Gears and devices parameters			
6.1	Bottom edge of the boom minimal height, mm (from the rail head level)		
6.2	Boom lifting device drive	Electromechanical	
		Hydraulic	
6.3	Rotor wheel drive	Electromechanical	
		Hydraulic	
6.4	Rotor wheel orientation	Vertical	Inclined
6.5	Required number of anti-theft grips, pcs		
6.6	Storm capture requirement	Yes	No

6.7	Buffer type	Spring		
		Hydraulic		
		Pneumatic		
6.8	Sieve installation necessity	Yes	No	
6.9	Vibrator at the transfer unit installation necessity	Yes	No	
6.10	Boom inclining maximum angle horizontally in working order, deg. ±			
6.11	Turning angle according to stockyard conveyor axis, (deg. ±)			
6.12	Power supply parameters: voltage/frequency			
6.13	Reclaimer current lead type	Cable	Trolley	Track
6.14	Drive control system	Frequency		Other
6.15	Machine control method	Cabin		Other
6.16	Cabin type	Covered	Covered with conditioner	Uncovered
6.17	Rail type			
7. Additional options				
7.1	Rotor wheel zone irrigation necessity	Yes/No		
7.2	Coal exit on main conveyor point irrigation necessity	Yes/No		
7.3	Stockpile irrigation necessity	Yes/No		
7.4	Reclaimer automatic control mode necessity	Yes/No		
7.5	Drive devices pre-heating	Yes/No		
7.6	Central control room radio connection	Yes/No		
7.7	Material acceptance area video control	Yes/No		

7.8	Material reloading area video control	Yes/No		
7.9	Emergency stop cable device	Yes/No		
7.10	Conveyor belt descending sensor	Yes/No		
7.11	Conveyor belt tension sensor	Yes/No		
7.12	Conveyor belt breaking sensor	Yes/No		
7.13	Limit switches (stops when opening gates, shelters, fences etc.)	Yes/No		
7.14	Remote access system	Yes/No		
7.15	Parameters recorder	Yes/No		
7.16	Firefighting system	Yes/No		
7.17	Fire prevention system	Yes/No		
7.18	Smoke alarm system	Yes/No		
7.19	Emergency lightning system	Yes/No		
7.20	Video control system	Specify points/No		
7.21	Temperature sensors in drives and devices	Specify points/No		
7.22	Sound alarm system	Not required	Emergency	Pre-launch
7.23	Light alarm system	Not required	Emergency	Pre-launch
7.20	Video control additional system	Specify Points/No		
7.21	Temperature sensors in drives and devices	Specify Points/No		
7.22	Sound alarm system	Not required	Emergency	Pre-launch
7.23	Light alarm system	Not required	Emergency	Pre-launch

8. Consumer information		
8.1	Number of stacker-reclaimers in the Order	
8.2	Contact person, contact information	
8.3	Your Company name	
8.4	Your Company contacts	
8.5	Company Chief Manager (Full name, position)	

Thank you for the provided information!

Please, send us this form to our e-mail address: info@tehnoros.com