

QUESTIONNAIRE

to order a belt conveyor
Conveyor data , handled material, operating conditions

Name of indicator		Value	Note
Main technical data of the conveyor	Belt width, mm	800 mm	
	Conveyor length (on the centers of drums), m	horizontally	
		along the highway	12 m
	Productivity, t/h (m ³ /h)	120 t - 85 m ³	
	Tilt angle (average and maximum on the track), deg.	15	
Belt speed, m/s	1,5 - 2		
Characteristics of the handled material	Name		
	Bulk density, t/m ³	1,45	
	Granulometric composition (maximum piece size), mm	0-180	
	Moisture contents, %	0-18%	
	Temperature, °C	-15 - 50	
Conveyor operating conditions	Outdoors	outdoor	
	In a heated room		
	In an unheated room		
	At the mine		
	Ambient temperature range (summer / winter), °C	-15 + 42	
	Ambient air humidity, %		
Dust content in the drive zone, g/m ³			
Conveyor start	Hard/Smooth	Smooth	
Belt speed adjustment	Not /really	really	
Execution of electrical equipment	General industry / Explosion-proof	General industry	

Specification of the ordered equipment

Name		Size or symbol	Q-ty	Note
Drive drum	Diameter, smooth / lined	300-400		
		lined		
Drive unit	electric motor	Power, kW, RPM	10-15 kW, 1000 RPM	
		Current frequency, Hz Voltage, V	50 Hz, 380 V	
	Brake			
	Gearbox (type, gear ratio, mounting type) (Ukraine, Yilmaz, Flender, etc.)			
	Low-speed coupling (gear, elastic, chain)	gear		
	High-speed coupling (Pin, petal)			

Conveyor belt according to GOST 20-85, p.m.		Conveyor belt 2,2 800 4TK200242PB		
Take-up pulley device (screw, cargo carriage, frame carriage)				
Take-up pulley	Diameter, smooth / lined	300-400		
		smooth		
Loading device	Number of places	1		
	Receiving table with absorb- ing beams	Not		

Idler line	Carrying idlers	Troughing	+		
		Self-training	+		
		Impact	-		
		Flat carrying			
		Pitch, m	1		
	Return idlers	Flat	+		
		Self-training	+		
		Pitch, m	1.8		
	Upper centring idlers		+		
	Lower centring idler rollers		+		
Rip detector		carriage			
		rope	+		
Conveyor belt catchers		+			
Cleaning devices tapes	Belt scraper		+		
	Cleaning plow device		+		
	Electric rotating brush		+		
	Drum cleaners	Drive	+		
Take-up					
Security and automation devices	Pull cord switch		+		
	Belt speed switch		-		
	Limit switch (blocking shelters, fences, etc.)		-		
	Frequency converter		+		
	Electrical panel, control panel		+		
	Alarm device (sound, light)		-		
Metal construction	Conveyor frame		-		
	Top fencing, m		-		
	Lower fencing, m		-		
	Shed (length along the conveyor, m)		-		
	Service platform		-		
	Transition bridges		-		
	Stand		-		
Plow ejector	Drive (right or left)		-		
	Unloading (both sides, right, left)		-		
Availability of spare parts		-			