

Client logo

Data sheet Apron feeder

Project name Project no. Tag no. Tag description

Document no. Revision no. P&ID no. Status

	Originator		Date	Checked by	Date
Process					
Mechanical					
Electrical					
	Approved by	/	Date	Professional reg	istration no.
Client (if annlinghla)					
Client (if applicable)					
Lead engineer					
General information					
Corrosion protection			Refer	ence drawing no.	
Engineering specification	ons		Service		
Installation					
Remarks					
Site					
Altitude(AMSL)		m	Location		
Ambient temperature m		°C	Rainfall		mm/y
Ambient temperature minimum		°C	Wind velocit	У	km/h
Barometric pressure		kPa	Humidity		%
Underground atmospheric classification			Class	Division	
Process					
Material handled					
Capacity maximum		tph	Particle den	sity	kg/m ³
Capacity normal		tph	Bulk density		kg/m ³
Temperature		°Ċ	Particle sha	oe	Ū
Feed from static head		-	Angle of rep		degree
Drop height		mm	Angle of sur		degree
	tinuous/intermittent		Moisture cor		%m/m
Covered	ves/no		Particle size	· · ·	mm
No. of feed points			Particle size	median	mm
Drive type			Particle size	minimum	mm
Material characteristic	S				
Abrasive	yes/no		Erosive	yes/no	
Combustible	yes/no		Flowability	free/poor/s	sticky
Corrosive	yes/no		Friable	yes/no	
Dusty	yes/no		Hygroscopic	yes/no	
Explosive	yes/no		Toxic	yes/no	
Feeder containment					
Dust tight			Enclosed		

Data sheet Apron feeder

Project name Project no. Tag no. Tag description

Client logo

Document no. Revision no. P&ID no. Status

Mechanical

Design data			
Maximum capacity		Horizontal pulley centres	mm
Maximum temperature	°C	Angle of inclination	degree
Maximum loading	%	Slope at feed point	degree
Apron speed maximum	m/s	Slope at maximum	degree
Apron speed minimum	m/s	Idler spacing carrying	mm
Apron width	mm	Idler spacing return	mm
Apron length	mm	Idler spacing loading point	mm
Height of lift / fall	mm	Power absorbed	kW
Information to be supplied by	the vendor		
Apron data			
Flight width	mm	Total apron length	mm
Flight thickness	mm	Spillage scraper	yes/no
Flight pitch	mm	Material of construction	
Flight rib height	mm		
Pulley data			
Drive bearings diameter	mm	Bearings type	
Tail bearings diameter	mm	Bearings centers	mm
		Bearing manufacturer	
Pulley diameter			
Drive pulley diameter	mm	Tail diameter pulley	mm
Drive pulley shaft diameter	mm	Tail pulley shaft diameter	mm
Drive pulley profile		Tail pulley profile	
Drive pulley width	mm		
Pulley materials of construction		Matarial	Thickness
Shell		Material	Thickness
Discharge			mm
Shaft			mm
Roller data			
Туре		Bearings type	
Quantity		Bearings centers	mm
Quantity		Bearing manufacturer	
Roller diameter		Bearing manalacturer	
Carrying roller diameter	mm	Return roller diameter	mm
Carrying roller shaft diameter		Return roller shaft diameter	mm
Carrying roller spacing		Return roller spacing	mm
		Return roller shell thickness	mm
Chain drive data	mm		
Casing dust tight	mm	Chain drive casing oil tight	yes/no
No. of strands		Chain drive casing weather tigh	~
No. of teeth for driven sprocket		Chain drive casing dust tight	yes/no
No. of teeth for drive sprocket		Size	, .
Service factor		-	

Data sheet Apron feeder



Client logo

Data sheet Apron feeder		Desumant no	
Project name Project no.		Document no. Revision no.	
Tag no.		P&ID no.	
Tag description		Status	
ray description		Status	
V-belt drive data			
Antistatic yes/no		Туре	
Guards type yes/no		Location	
Overload protection yes/no		Supplied by	
Pitch diameter	mm	No. of belts	
Pitch drive pulley	mm	Section	
Pitch driven pulley	mm	Service factor	
Supporting structure data			
Enclosure yes/no		Frame length	mm
Enclosure type		Frame width	mm
Walkway required? yes/no		Frame height	mm
Walkway required on one side/two sides			
Drive data			
Type gear/v-belt/chain			
Gear reducer data			
Manufacturer		Base type	
Output speed	rpm	Casing material	
Power rating	kW	Input/output ratio	
Size		Service factor	
Туре		Thermal rating	kW
Coupling data			
Gearbox manufacturer		- .	
Gearbox input		Gearbox output	
Fitted by		Fitted by	
Size	mm	Size	mm
Supplied by		Supplied by	
Туре		Туре	
Electrical			
System information			
Supply voltage	V	Type of system earthing	
Voltage variations	V	Area classification (SABS 0108)	
Maximum voltage unbalance	%	Hazardous gas/dust	2
Total voltage harmonic content	%	Cable size	mm ²
Supply frequency	Hz	Cable type	
Variable speed yes/no			
Temperature classification of gas/dust			



Client logo

Data sheet Apron feeder

Project name Project no. Tag no. Tag description

Document no.		
Revision no.		
P&ID no.		
Status		

Data to be supplied by vendor			
Manufacturer		Equivalent circuit	
Frame size		Winding connection	
Year of manufacture		Insulation class	
Serial number		Insulation type	
Rating	kW	Method of cooling (IC Code)	
Full load current	A	Method of mounting (IM Code)	
Class of rating (IEC 60034-1 class 4 2)		Lubricant type/grade	
Enclosure classification IP code		Type of explosion protection	
Power factor at 100% load		Efficiency at 100% load	%
Power factor at 75% load		Efficiency at 75% load	%
Power factor at 50% load		Efficiency at 50% load	%
Temperature rise	°C	Break away torque	Nm
Locked rotor current	А	Pull out torque	Nm
Locked rotor power factor		Pull up torque	Nm
Locked rotor withstand time cold	S	Full load torque	Nm
Locked rotor withstand time warm	s	Moment of inertia of load (MIL)	kg/m ²
Allowable no. of starts per hour cold		Moment of inertia of motor rotor	kg/m ²
Allowable no. of starts per hour warm		MIL referred to motor shaft	kg/m ²
Maximum thrust continuous (down)		Temperature rating	
Maximum thrust momentary (down)		Sound intensity	db
Type of bearing non-drive end		Type of bearing drive end	
Direction of rotation viewed from non-driv	ve end		
Terminal box position viewed from non-c	Irive end		
Speed vs. torque curve at full volts requi	red		
Speed vs. torque curve at 85% full volts	required		
Speed vs. current curve at full volts requ	ired		
Speed vs. current curve at 85% full volts	required		
Speed vs. power curve at full volts require			
Speed vs. power curve at 85% full volts	required		
Inspection & testing			
Electrical		_	
Shop inspection required		Type test	
Routine test			
Shipping & installation			
Information to be supplied by vendor			
Heaviest lift	kg	Overall height	mm
Heaviest maintenance lift	kg	Overall length	mm
Weight driver	kg	Overall width	mm
Maximum foundation loading	kg	Total shipping weight	kg
Net weight	kg	Total shipping volume	m ³
Operating weight	kg		