

Client logo

Document no. Revision no.

P&ID no.

Tag description	Status				
	Originator		Date	Checked by	Date
Process				/	
Mechanical					
Electrical					
	Approved by		Date	Professional reg	istration no.
Client (if applicable)					
Lead engineer					
General information	1				
Corrosion protection			Refere	ence drawing no.	
Engineering specification	ons		Service		
Installation					
Remarks					
Site					
Altitude(AMSL)		m	Location		
Ambient temperature m	naximum	°C	Rainfall		mm/y
Ambient temperature m	ninimum	°C	Wind velocity	У	km/h
Barometric pressure		kPa	Humidity		%
Underground atmosphe	eric classification		Class	Division	
Process					
Feed stream					
Solids concentration		%m/m	Solids type		
Moisture content		% m/m	Bulk density		kg/m ³
Solids flow rate (dry) no	ormal	kg/h	Particle dens	sity	kg/m ³
Solids flow rate (dry) m	inimum	kg/h	Angle of repo	ose	degree
Gas data					
Gas type			Inlet pressur		kPa(g)
Molecular mass		kg/mol	Inlet tempera		°C
Moisture content		% m/m	Pressure dro		kPa(g)
Gas viscosity		mPa.s	Relative hum	nidity	%
Gas density @ normal	temperature & pressu	ure	kg/m ³		
Filter design data					
Filter type			Sound intens		dB
Filtration velocity		m/min	Cleaning me		
Dust load		t/h	Emission lev	rel	mg/m ³
Air flow rate @ normal	temperature & pressu	ure	m³/h		

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Data sheet Dust suppression unit

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Material particle size distrib	ution		
Component	Size	Cumulative % pa	
Size 1	mm		%
Size 2	mm		%
Size 3	mm		%
Size 4	mm		%
Size 5	mm		%
Size 6	mm		%
Size 7	mm		%
Size 8	mm		%
Size 9	mm		%
Size 10	mm		%
Size 11	mm		%
Size 12	mm		%
Material characteristics			
Abrasive	yes/no	Friable	yes/no
Adhesive	yes/no	Granular	yes/no
Combustible	yes/no	Hygroscopic	yes/no
Corrosive	yes/no	Pellitised	yes/no
Dusty	yes/no	Powdered	yes/no
Explosive	yes/no	Sticky	yes/no
Fibrous	yes/no	Toxic	yes/no
	wing/average f		
Operating Conditions			
Operating days per year	day	Operating hours per day	hr
Availability	%	Operating hours per year	hr
Mechanical			
Scope of supply			
Access ladders	yes/no	Explosion panels	yes/no
Access platform	yes/no	Filter housing	yes/no
Ducting system complete	yes/no	Housing supports	yes/no
Dust hopper	yes/no	Insulation	yes/no
Dust scrubber	yes/no	Pressure differential indicator	yes/no
Electrostatic precipitator	yes/no	Refractories	yes/no
Exhaust fan & drive	yes/no	Rotary plate feeder	yes/no
Exhaust stack	yes/no	Screw conveyor	yes/no
Information to be supplied b	y vendor		
Cyclone dust collector			
Туре		Model number	
Diameter	mm	Efficiency	%
Hopper volume	m ³	Total mass	kg
Dust disposal method		Maximum pressure drop	kPa(g)



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Dust bags						
Quantity			Bag width			mm
Material			Bag length			mm
Allowable pressure drop		kPa(g)	Operating temperatur	re		°C
Design life		year	Area per bag			m ²
Auxiliaries - refer to individu	ual datasheet					
Screw conveyor tag no.						
Electrostatic precipitator tag n	ıO.					
Exhaust stack tag no.						
Exhaust fan tag no.						
Dust scrubber tag no.						
Rotary plate feeder tag no.						
Nozzle data						
	Size		Rating		Facing	
Inlet	mm					
Outlet	mm					
Materials of construction						
		N	Vaterial		Thicknes	SS
Filter unit	1					mm
Flanges						mm
Gaskets material						mm
Supports material						mm
Electrical						
System information						
Supply voltage		V	Type of system earth			
Voltage variations		V	Area classification (S	ABS 01	08)	
Maximum voltage unbalance		%	Hazardous gas/dust			
Total voltage harmonic conter	nt	%	Cable size			mm ²
Supply frequency		Hz	Cable type			
Temperature classification of						
Data to be supplied by vend	lor					
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 Cod	e)	
Class of rating (IEC 60034-1 class 4 2)			Lubricant type/grade			
Enclosure classification IP code			Type of explosion pro	otection		

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Data to be supplied by vendor						
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	Ũ			
Maximum thrust momentary (down)		Sound intensity	db			
Type of bearing non-drive end		Type of bearing drive end				
Direction of rotation viewed from non-drive end						
Terminal box position viewed from non-drive end						
Speed vs. torque curve at full volts required						
Speed vs. torque curve at 85% full volts required						
Speed vs. current curve at full volts required						
Speed vs. current curve at 85% full volts required						
Speed vs. power curve at full volts required						
Speed vs. power curve at 85% full volts r	equired					
Inspection & testing						
Mechanical		Electrical				
Standard shop running test		Shop inspection required				
Dismantle & inspect after test		Routine test thermal detectors				
Non-witnessed performance certificate		Routine test witnessed				
Witnessed performance		Type test thermal detectors				
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					