The Institute of Materials Handling

Client logo

Data sheet Front end loader

Project name	Document no.
Project no.	Revision no.
Tag no.	P&ID no.
Tag description	Status

	Originator	Date	Checked by	Date
Process				
Mechanical				
Electrical				
	Approved by	**Date**	**Professional registration no.**	
Client (if applicable)				
Lead engineer				

General information

Corrosion protection	Reference drawing no.
Engineering specifications	Service
Installation	

Remarks

Site

Altitude(AMSL)	m	Location		
Ambient temperature maximum	°C	Rainfall		mm/y
Ambient temperature minimum	°C	Wind velocity		km/h
Barometric pressure	kPa	Humidity		%
Underground atmospheric classification		Class	Division	

Process

Material data				
Material				
Particle density		kg/m^2	Minimum particle size	mm
Bulk density		kg/m^2	Maximum particle size	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
Flowability	g/free flowing/average f			
Operating Conditions				
Operating days per year		day	Operating hours per day	hr
Availability		%	Operating hours per year	hr

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Mechanical

Requirements					
Type/model no.			Manufacturer		
Total load bearing capacity		t	Trailer towing capacity		kg
Lifting capacity		t	Trailer socket		
Engine power requirement		kW	Type of engine	diesel/petrol	
Drive orientation	and drive/right hand (		Engine size		l
Tow bar description					
Cabin conditions					
Air conditioning inside cabin	yes/no		Chemical filter	yes/no	
Maximum cabin air temperature		°C	Dust filter	yes/no	
Normal cabin air temperature		°C	Remove particles larger than		mm
Protection required	yes/no				
Type of protection					
Scope of supply					
Draining of on board fuel tanks	yes/no		Engine filled with fuel	yes/no	
Draining of on board gearboxes	yes/no		Amount of fuel		l
Spare wheel	yes/no		Gearbox filled with oil	yes/no	
Maintenance tools	yes/no		Operating manual	yes/no	
Jack	yes/no		Maintenance manual	yes/no	
Special service tools	yes/no		Design data & drawings	yes/no	
Fire extinguisher	yes/no		First aid kit	yes/no	
Other					
Information to be supplied by vendor					
Type/model no.			Manufacturer		
Total load bearing capacity		t	Trailer towing capacity		kg
Load bearing capacity per axel		t	Trailer socket		
No. of axels			Type of engine	diesel/petrol	
Engine power requirement		kW	Engine size		l
Drive orientation	and drive/right hand (				
Tow bar description					
Comments					

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		

Underground dimensions

Underground applicable		Cage length	mm
Headroom available	mm	Cage width	mm