

		<b>Screw Conveyor DATA SHEET</b>		CLIENT	
				PROJ.	
				UNIT.	
				SECTION	172A/B
		Service	Screw Conveyor	Doc. No.	200621-172A/B-120D-7
Type	LS	Item	17T45A/B	P&ID. No.	200621-172A/B-120B-1
Model	LS315	Work: 1	SPARE: 0	SHEET	1 OF 2
<b>Property Parameters of Material</b>					
1	Material name: NPK Raw Materials	7	Material Corrosiveness: <input type="checkbox"/> yes <input type="checkbox"/> no <input checked="" type="checkbox"/> weak		
2	Material particle size: <0.5mm 100%	8	Material abrasiveness: <input type="checkbox"/> Strong <input checked="" type="checkbox"/> Weak <input type="checkbox"/> Class		
3	Max. particle size: 0.5 mm	9	Material HygroscoPy: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
4	Bulk density: 960~1040 kg/m <sup>3</sup>	10	Material Property: <input checked="" type="checkbox"/> acidic <input type="checkbox"/> alkaline <input type="checkbox"/> greasy		
5	Real density: 1630 kg/m <sup>3</sup>	11	Material moisture content: ≤2%		
6	Material temp: Normal : Ambient	12	Angle of repose: 35°		
<b>Environmental conditions</b>					
13	Ambient temperature: Max. 49°C, Min. 0.5°C				
14	Installation location: <input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor <input checked="" type="checkbox"/> Dusty	18	Air moisture: Annual average relative humidity: 74%		
15	Average wind velocity: 25 m/s(Max.)	19	Explosion hazard: <input type="checkbox"/> yes <input checked="" type="checkbox"/> nil <input type="checkbox"/> grade		
16	Corrosivity: <input checked="" type="checkbox"/> yes <input type="checkbox"/> nil <input type="checkbox"/> grade	20	Operating system: <input checked="" type="checkbox"/> continuous <input type="checkbox"/> intermittent		
17	Atmospheric pressure: Max.1010mBar,Min.983mbars	21	Annual average rainy days: days		
<b>Equipment performances</b>					
22	Conveying capacity(t/h):Normal. 20 max. 30	26	Type of conveyor: <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> longitude fixed		
23	Transport length :~2300 mm	27	Installed type: <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> longitude fixed		
24	Lifting height: 0 mm	28	Operation type: <input type="checkbox"/> reversible <input checked="" type="checkbox"/> non -reversible		
25	Allow material size: mm	29	Angle of slope : 0°		
<b>Construction of equipment</b>					
30	Blade type: <input checked="" type="checkbox"/> entity <input type="checkbox"/> belt type <input type="checkbox"/> blade	36	Direction of screw rotation: <input type="checkbox"/> left <input type="checkbox"/> right <input type="checkbox"/> left right		
31	Filling factor:	37	Casing type: <input checked="" type="checkbox"/> U type <input type="checkbox"/> O type(tube type) <input type="checkbox"/> rubber		
32	Screw diameter: 315mm	38	Conveying type: <input type="checkbox"/> reversible <input checked="" type="checkbox"/> non-reversible		
33	Screw pitch:	39	Inlet quantity: <input checked="" type="checkbox"/> single <input type="checkbox"/> double		
34	Screw rotational speed: No Adjustable	40	Outlet quantity: <input checked="" type="checkbox"/> single <input type="checkbox"/> double		
35	Screw slope:	41	Intermediate support type: <input type="checkbox"/> suspending slide bearing <input type="checkbox"/> nil		
<b>Driving unit</b>					
42	Driving unit model:	49	Ratio of transmitting member:		
43	Driving unit type: <input checked="" type="checkbox"/> motor-reducer <input type="checkbox"/> motor and reducer	50	Motor power: kW		
44	Driving unit location: <input type="checkbox"/> head <input checked="" type="checkbox"/> tail <input type="checkbox"/> middle	51	Reducer type: <input type="checkbox"/> involute gear <input type="checkbox"/> worm & worm gear <input type="checkbox"/> cycloidal pin wheel		
45	Driving unit quantity: <input checked="" type="checkbox"/> single point <input type="checkbox"/> double point				
46	Ratio of speed reducer:	52	Power supply:Voltage AC 415V frequency 50Hz phase 3 PH		
47	Transmitting member type: <input checked="" type="checkbox"/> direct coupling <input type="checkbox"/> belt <input type="checkbox"/> chain				
48	Transmitting member model:	53	E-Motor Grade : Protection class: IP54 , Insulation class: F		
<b>Miscellaneous</b>					
54	Weight of complete machine : kg	56	Weight of driving unit: kg		
55	Overall dimension(mm):Length width height	57	Weight of max repair part: kg		

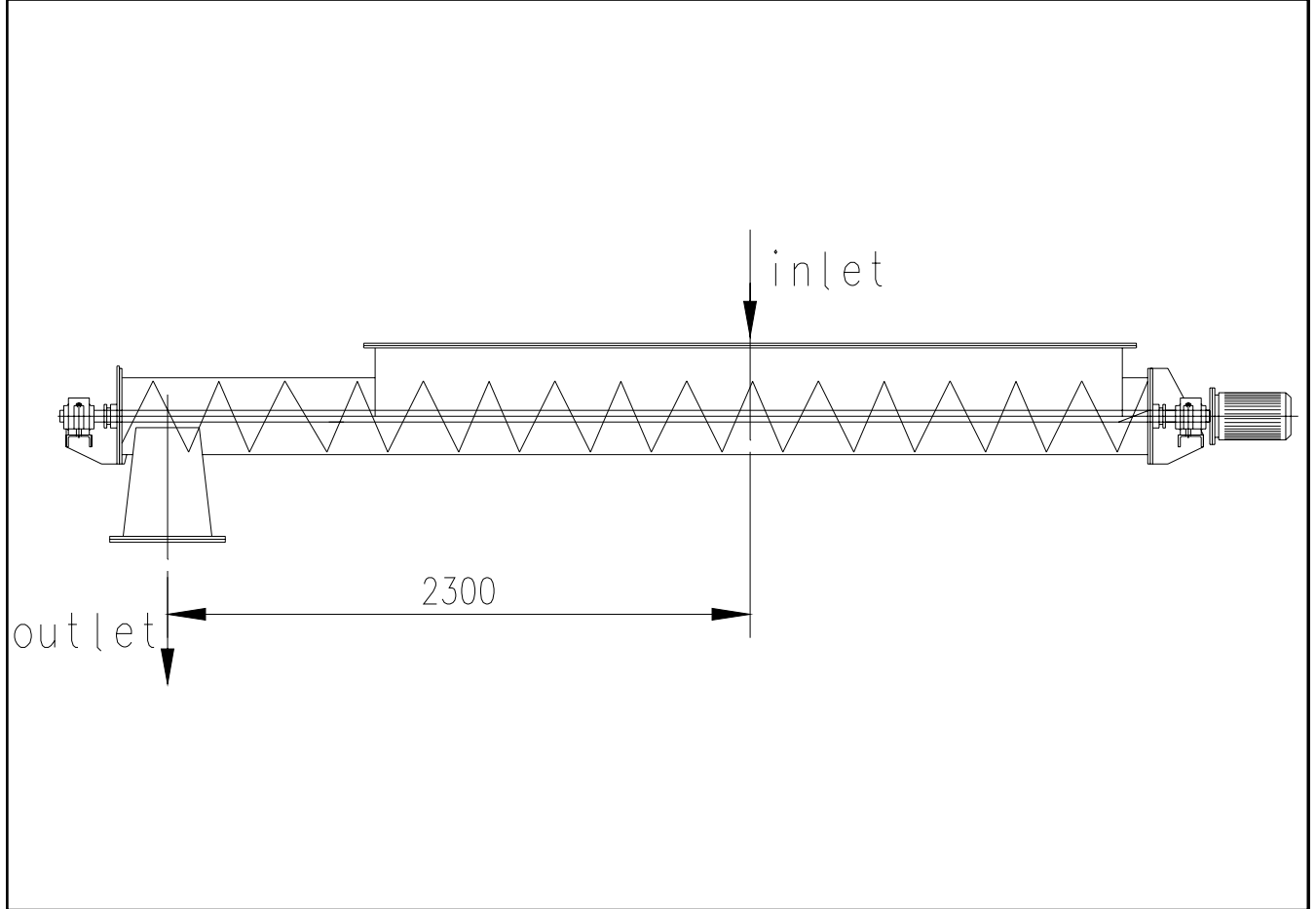
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				SECTION	172A/B
		Service	Screw Conveyor	Doc. No.	200621-172A/B-120D-7
Type	LS	Item	17T45A/B	P&ID. No.	200621-172A/B-120B-1
Model	LS315	Work: 1	SPARE: 0	SHEET	2 OF 2

**Scope of supply**

- 58  main equipment  motor  associated equipment
- 59  driving mechanism  coupling and protective casing  anchor bolt
- 60  spare parts for installation and start-up
- 61  spare parts for two-year operation

**Other requirements**

1. Seller shall provide the general assembly drawings of the equipment, including AutoCAD version documents.
2. inlet size: 2950mm×334mm(recommendation)
3. Equipment material is SS304



Note: After filling in all the blank columns, manufacturers shall return these datasheets to the Buyer.

Issue	Date	Design	Checked by	Approved by	Date	Design	Checked by	Approved by
Column written by engineering corporation					Column written by manufacturer			