Seed Conditioning And Processing Global Solution



SCREW ELEVATORS

A wide range of standard screw elevators developed to handle loads at different inclinations, for all kinds of bulk products, of different densities and particle sizes: mainly cereals, but also pellets, fertilizers, minerals, etc... and designed to be easily adaptable to meet your every need.

General description

Screw Elevators, with their advanced design, offer the following advantages:

Efficient and reliable: sleeve joints (with 400 mm diameter collars) ensure rigidity and sealing – Silent, vibration- free operation guarantees quietly and low maintenance.

Functional and modular: standard adjustable extension element connected with sleeve.

Solid and safe: solid construction – screw shafts are entirely manufactured and aligned in our own factory - head, tail and intermediate bearings (except the 100 series) - all screw elevators are fitted with caged inlet in tail and protection in conformance with the Machinery Directive.

Akyurek paintwork quality: every part undergoes following processes, before pre-assembly: sand blasting in degreaser tunnel, phosphate coated anti-corrosion treatment, primer protection and 180°C cured final paint finish. These processes are applied on a continuous production line. The final result provides each component optimum corrosion resistance, over 400 hours in salt spray test, vs. 250 hours for pre-galvanized Z350. Akyurek makes every effort to be environmentally friendly, controlling all emissions and component during this process.

ATEX: the equipment can be used in Explosive Atmospheres and Conforms with European

Accessories

- · Hopper with safety mesh
- Square and round connections
- · Connections, Pipes, Mobiles,
- Safety features: anti-choke control device with micro switch, temperature sensors

Options

- Reinforced seal bearings (above 160 mm diameter)
- Greater thickness tube
- Coated flight
- · Reduced pitch flight
- · Heavy duty flight
- Reinforced flight shaft
- · Flight with nontoxic painting
- Galvanized tube and/or flight
- · Customized motors matched to operating environment



Large Inlet hopper



Cleaning aperture for easy complete discharge



Low maintenance belt drive



Folding hinge



Chassis with large tires

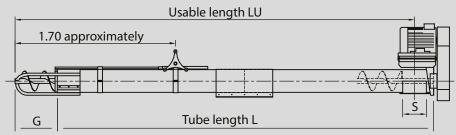


Folding mechanism for wheels

Performance

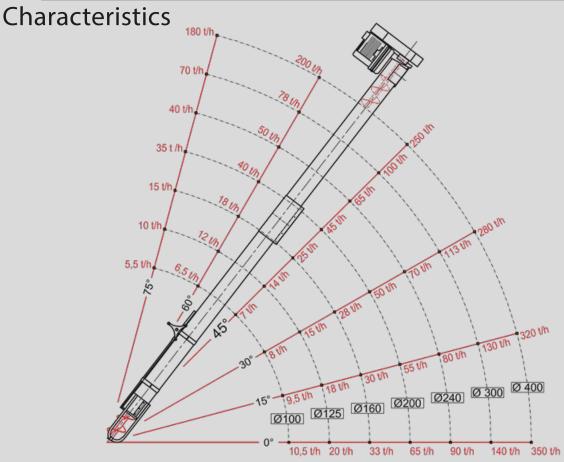
	Туре	SE 100	SE 125	SE 160	SE 200		SE 240	SE 300	SE 400
	Maximum output in tons per hour at 45° (*)	7	14	25	35	45	50 - 65	100	250
F	Rotation speed (rpm)	725	900	580	435	543	414	325	325
L	ength L (m)	3 to 8	3 to 10	3 to 13	3 to 13		3 to 15	3 to 12	3 to 12
١	Maximum power (kW)	1.5	3	5.5			15	15	37

(*) Using wheat (SW 0.75 Humidity 16 %)



Standard dimensions

Туре	SE 100	SE 125	SE 160	SE 200	SE 240	SE 300	SE 400
External tube diameters (mm	Ø 100	Ø 125	Ø 160	Ø 200	Ø 240	Ø 300	Ø 400
Tube length L (m)	3 to 8	3 to 10	3 to 13	3 to 13	3 to 15	3 to 12	3 to 12
Caged inlet length G (mm)	385	570	340	440	450	630	800
Caged inlet external diame to	r Ø 180 mm	Ø 195 mm	Ø 240 mm	Ø 260 mm	Ø 305 mm	Ø 390 mm	o 550 mm
Usable length LU (m)	3.31 to 8.31	3.50 to 10.50	3.07 to 13.07	3.26 to 13.23	3.24 to 15.20	3.26 to 12.23	3.48 to 12.48
Exit aperture S (mm)	120 x 100	120 x 100	200 x 160	□200	□250	□250	500 x 400
Overall length (m)	3.46 to 8.46	3.65 to 10.65	3.34 to 13.34	3.60 to 13.57	3.61 to 15.57	3.82 to 12.79	4.41 to 13.41
Weight inclusiv e of moto r (kg	43.5 to 74	53.5 to 122	86 to 277	105 to 350	156 to 518	289 to 682	613 to 1878



(Output indication using wheat (SW 0.75 Humidity 16 %)