1. Equipment general outlines

Application and adaptability

TGSP Horizontal *En-Masse* Drag Conveyor (drag conveyor) is developed autonomously by Jiangsu Famsun Holdings, Co., Ltd. mainly used for conveying dry powdery and granular materials in the feed industry yet claiming a limitation in conveying brittle materials in pellet form requiring low breakage. The drag conveyor features its merits of simple structure, small space requirement, good sealing, easy installation, and maintenance; offering options of multi inlets/outlets, and flexibility to fit a variety of process flows & layouts.

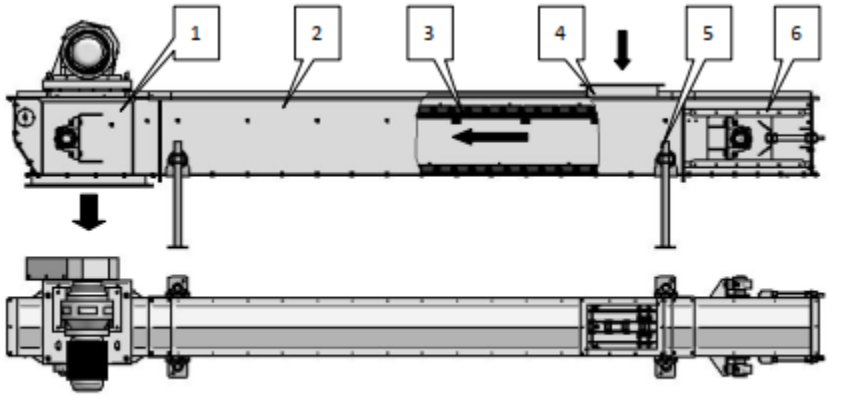
(1) TGSP Series drag conveyor is applied in horizontal conveying or at a small inclination (angle β≤15°) presenting characteristics of simple structure, easy layout fitting, and maximum conveying distance of 60m per unit.

(2) As to a drag conveyor at conveying inclination β, there is an efficiency factor K to be considered in the capacity calculation as shown in Table 2-1. For the materials susceptible to floating when moving, well flowable, highly adhesive or caking by compression, take a K of a small value. Whereas getting a K of big value for grains or materials with light density.

(3) TGSP Series drag conveyor is mainly used in feed mills yet is also commonly seen in grain & oil processing, flour, and food production industry. Please consult technical the staff of Famsun for your applications.

Equipment main structure and general outlines

The drag conveyor is composed of six parts of the head terminal, intermediate sections, dragging chain, material inlet, support legs, and tail terminal as shown in Fig:



Technical Parameters:

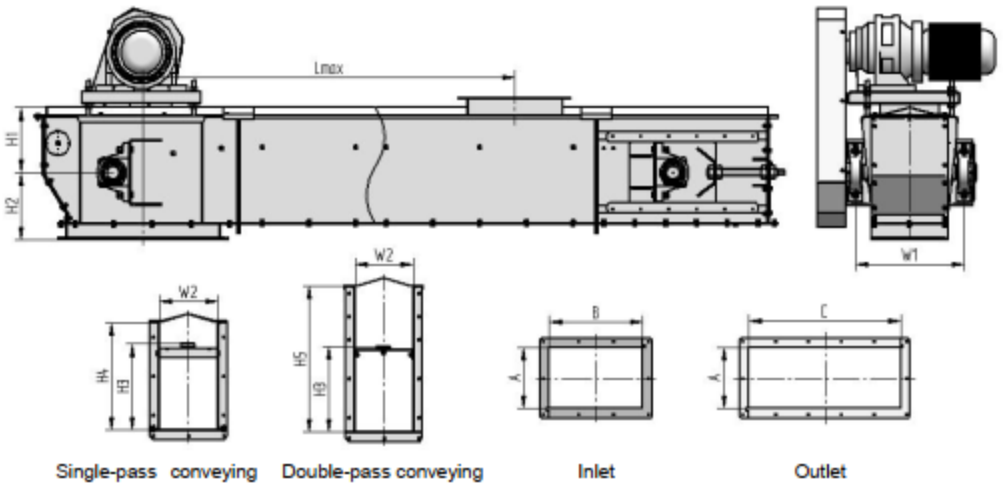


Fig 2-13 Dimension diagram of drag conveyor

Table 2-4 Dimension information of drag conveyor (in unit of mm except Lmax)

Model	W2	W1	H1	H2	H3	H4	H5	A	B	C	Lmax(m)
TGSP16	160	358	219	254	295	380	480	160	300	520	60
TGSP20	200	398	225	254	295	380	480	200	300	520	60
TGSP25	250	464	267	270	352	440	600	250	400	650	60
TGSP32	320	534	276	270	352	440	600	320	400	650	60
TGSP35	350	644	308	302	410	498	658	350	400	800	60
TGSP42	420	820	403	400	530	660	870	420	600	900	60