MACKINA - WESTFALIA

Product description

DOUBLE SIDE CHAIN ARMORED CONVEYOR

T-350MW

INDEX

1. GENERAL

The T-350MW double side-chain armored conveyor is specially designed for works on medium-duty seams (0.9-1.5m), as well as for auxiliary workings in high production mines.

Its dimensional characteristics allow easy handling of all its elements.

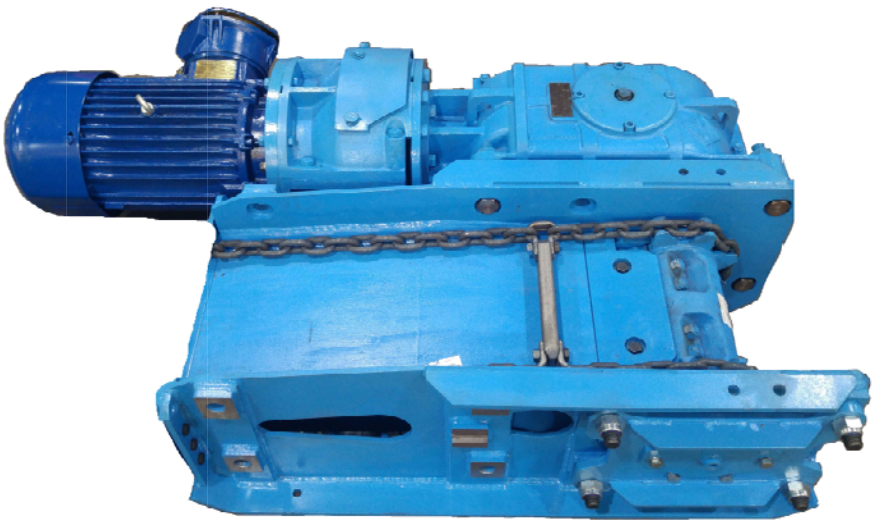
- Maximum length 130m
- Capacity .....60 t/h
- Installed Power.....1 ó 2x22 kW
- Type of chain.....14 x 50

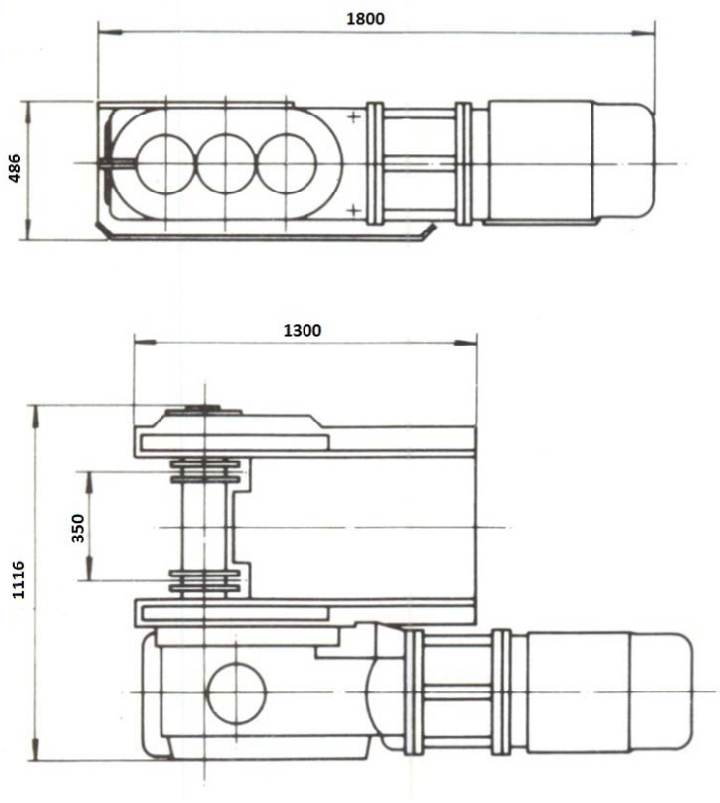
2. COMPONENTS

2.1. Power head

Composed of:

- Chassis: Solidly built steel frame with seats on both sides for mounting the drive power units.
- A driving drum, in two bolted halves, where the manganese steel stars are integrated.
- A 95mm diameter false shaft, mounted on a floating bearing, located on the opposite side to the gearbox.
- Two anti-snagging shoes for the chain.
- Gearbox: angular input and three gear trains, the first gear train being bevel and the other two helical gear trains.
- Hydraulic coupling: integrated into a steel housing that connects the gearbox to the motor.
- 22 kW Form B-5 electric motor

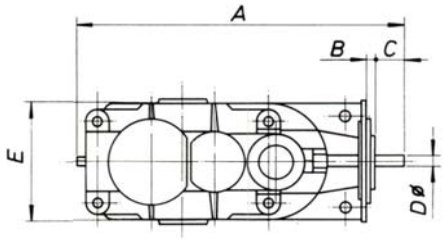


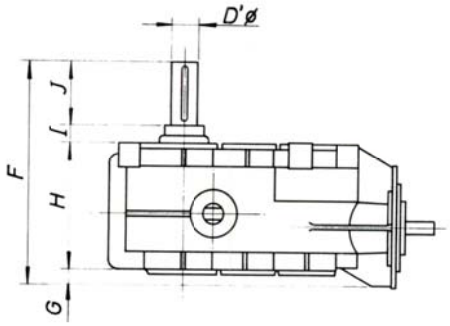


DENOMINATION	REFERENCE	Power Kw	Speed m/s	Weight Kg
MOTOR HEAD				
Power head frame	01TM000000380701			337
Drive drum Z8 C14	01TM000302500200			65
False axis	01TM000302000501			41
Anti-snagging pads	01TM000000141604			5
MOTOR GROUP				
Gearbox	01WL913606000800	22		450
Hydraulic Coupler	Yes			
Flameproof electric motor 22 kW	according to voltage	22		320

2.1.1.Gearbox

Reduction is achieved by means of three gear trains. One helical bevel group and two helical cylindrical trains with lapped and ground tooth profiles respectively.
The two-part housing is symmetrical about a horizontal median plane, made of cast steel and completely watertight.
Hermetic sealing of the inlet and outlet shafts is achieved by means of labyrinths and grease seals.
Lubrication is by immersion and bubbling in an oil bath. The efficiency of these gearboxes is 92%. They can be mounted on either side of the corresponding drive head.





CHAIN CONVEYOR	REFERENCE	A	B	C	D	D´	E	F	G	H	I	J	Weight
							mm						Kg
T-350MW	01WL913606000800	1000	51	79	50	95	480	678	15	449	54	160	450

2.2. Connecting pan

It makes the coupling between the normal pans and the driving head. Manufactured with sigma profile and special treated steel bottom.

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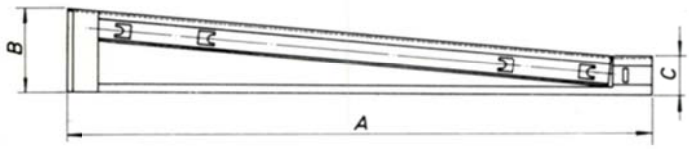
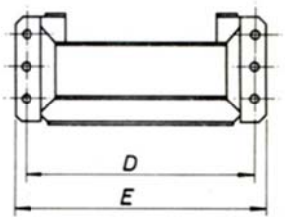


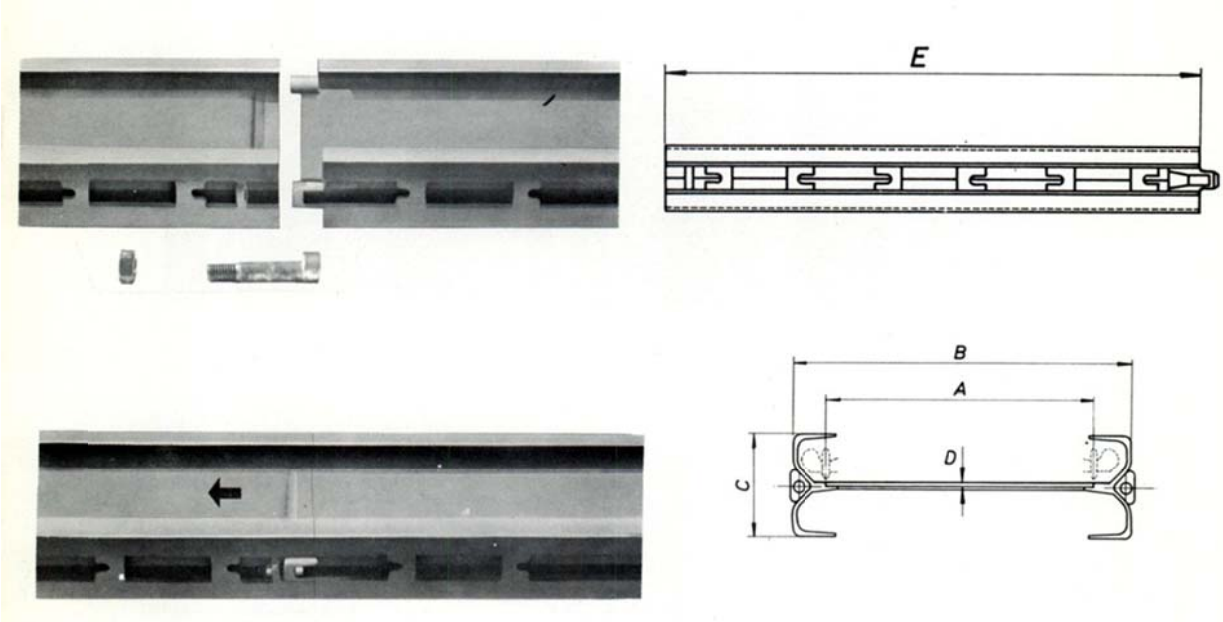


CHAIN CONVEYOR	REFERENCE	A	B	C	D	E	Weight
				mm			Kg
T-350MW	01WL513304010800	1.490	239	135	510	560	90

2.3. Standard pan

They are made of treated steel to prevent wear and tear. Manufactured with special sigma profile and bottom plate with stamped overlap. The screws for joining the pans are included. The connection between channels is carried out as shown in the figure.

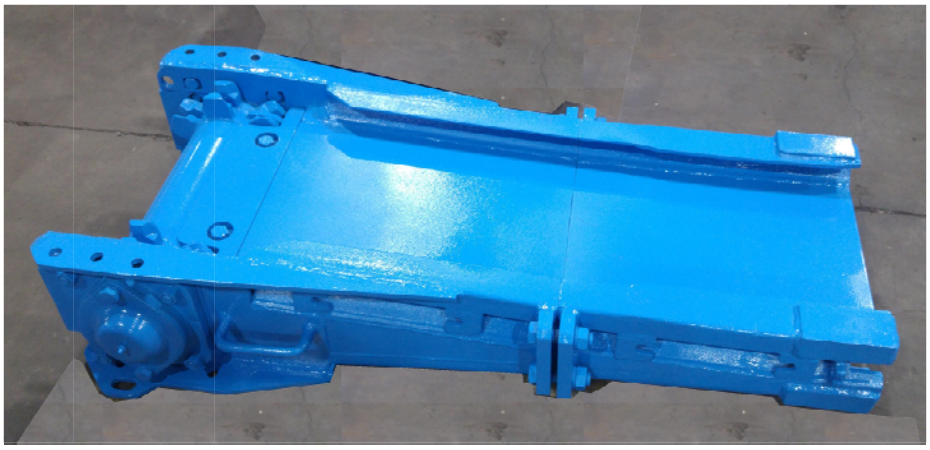
Standard lenght 1.500mm.

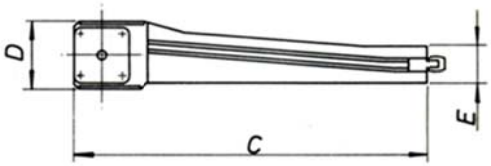


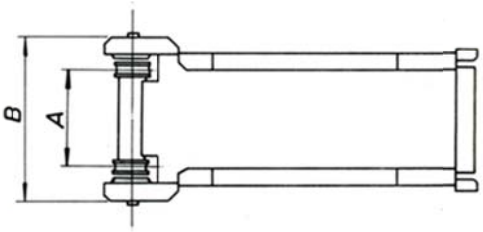
CHAIN CONVEYOR	REFERENCE	A	B	C	D	E	Weight
				mm			Kg
T-350MW	01WL513420010000	350	426	135	6	1500	78

2.4. Forwarding station

Built in sigma profile, they form a solid assembly, very resistant to slippage. Normally, the return drum is star-shaped to avoid blockage due to the accumulation of fines, although it can also be ribbed.
The bearings on which the drum is mounted are generously dimensioned and their housing is watertight.



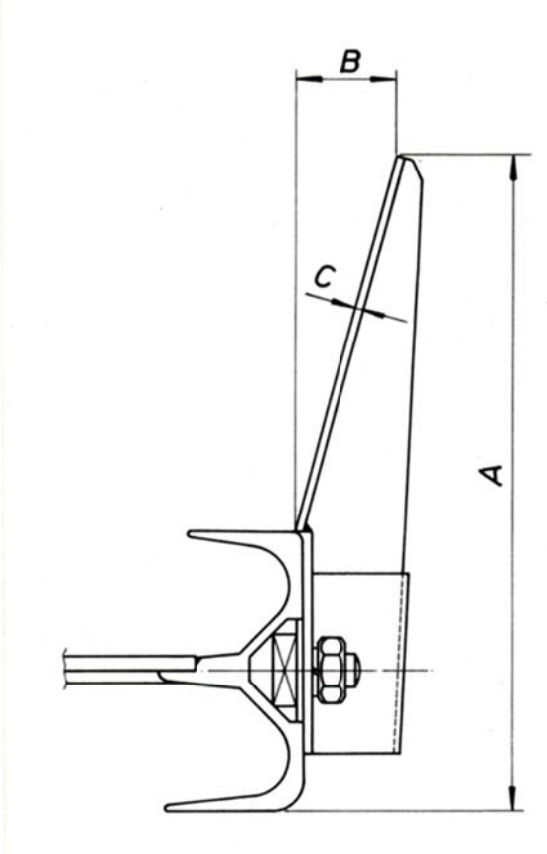




CHAIN CONVEYOR	REFERENCE	A	B	C	D	E	Weight
				mm			Kg
T-350MW	01181400	350	536	1500	270	135	120

2.5. Enhancement plates

Designed to increase the section of the pans, facilitating loading and increasing transport capacity.

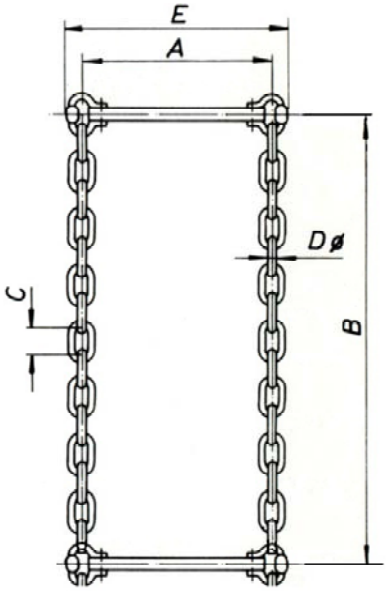


CHAIN CONVEYOR	REFERENCE	A	B mm	C	Weight Kg
T-350MW	01TM000331500100	315	45	5	18

2.6. Chain

The chain is made of special steel according to DIN 22252. The scrapers bars and connecting links are made of stamped steel and the bolts of special treated steel. The connecting links, bolts and chain are designed for the same breaking load.

As standard, 4m long chain lengths are supplied assembled, consisting of 15-link chain lengths, scraper bars and false links.



CHAIN CONVEYOR	A mm	B mm	C mm	D mm	E mm	Breaking load KN	Weight Kg	Description	Reference
T-350MW	350	800	50	14	344	250	47,00	Assembled length of chain 4m in length	01WL513601010390
								Chain Section 14x50 15E DIN 22.252-2	04950471400500015
								Scraper bar	01WL513601010920
								False Link	01WL21417203
								Screw 16x60 8.8	01WL513601010830

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