

DM138 Voltage 400V 50Hz Motor Drum Belt Conveyor Roller For High Power Conveyors

Our Product Introduction

for more products please visit us on drum-roller.com

Basic Information

- Place of Origin: China Jiangsu
- Brand Name: Winroller
- Certification: CE,SGS,ISO9001,ROHS,UL
- Model Number: Winroller DM138 Voltage 400V 50Hz Motor Drum Belt Conveyor Roller
- Minimum Order Quantity: 1 stick
- Price: Contact Us
- Packaging Details: Wooden case
- Delivery Time: 7-15 word days
- Payment Terms: TT, L/C
- Supply Ability: 1000000/year



Product Specification

- Features: Compact Structure, High Power, High Sealing Performance, Low Energy Consumption, High Mobility, Strong Physical Properties, Powerful Driving Device, Low Noise
- Product Name: DM138 Voltage 400V 50Hz Motor Drum Belt Conveyor Roller
- Cylinder Diameter: 138mm
- Voltage: 400W
- Motor Frequency: 50Hz
- Linear Velocity: 0.1m/s~ 1.5m/s
- Material: 304 Stainless Steel, Carbon Steel
- Gear: High Alloy Steel Gear
- Function: Transport Bulk And Finished Goods
- Highlight: **400V conveyor drum roller, 50Hz Conveyor Drum Roller, 50Hz Motorized Conveyor Roller**



DM138 Voltage 400V 50Hz Motor Drum Belt Conveyor Roller For High Power Conveyors

Features Overview of DM138 Voltage 400V 50Hz Motor Drum Belt Conveyor Roller

The DM138 400V 50Hz motor drum belt conveyor roller offers high efficiency, smooth operation, and robust performance for medium-load conveyor systems, making it ideal for industries such as food processing, airport baggage handling, and postal sorting.

Function of DM138 Voltage 400V 50Hz Motor Drum Belt Conveyor Roller

The **DM138 400V 50Hz Motor Drum Belt Conveyor Roller** is designed to provide a powerful and reliable drive solution for medium-load belt conveyor systems. Its primary function is to efficiently transfer torque from the motor to the conveyor belt, enabling smooth and consistent material handling across various industries. The roller's oil-cooled motor ensures optimal heat dissipation, which increases the system's lifespan and reduces the need for frequent maintenance.

Equipped with precision-machined gears and an antislip surface, the DM138 ensures low-noise operation and stable performance, even in demanding environments such as food processing, airport baggage handling, and postal sorting. The drum motor's customizable speed and length make it adaptable to different operational needs, while its IP66/67 protection rating guarantees reliability in dusty or wet conditions.

Overall, the DM138 serves as a versatile and energy-efficient component, offering high torque and smooth operation to keep conveyor systems running efficiently and with minimal downtime.

Application of DM138 Voltage 400V 50Hz Motor Drum Belt Conveyor Roller

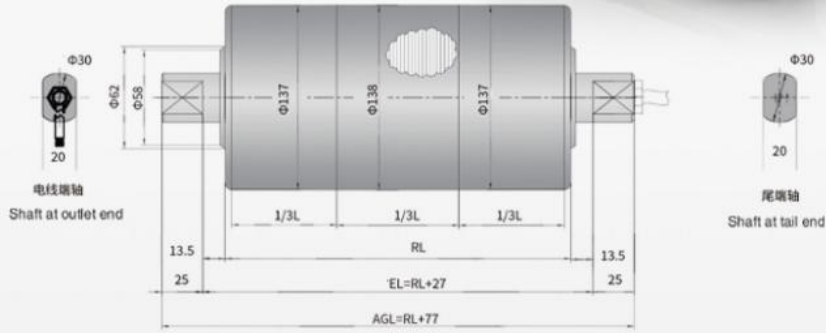
- Security screening machines (airports and stations)
- Airport baggage handling system
- Packaging machinery
- Power belt scale
- pharmaceutical Industry
- Food processing industry
- Meat processing industry
- Postal sorting
- Belt conveyor
- Sorting and conveying equipment for agricultural products

Technical Parameters of DM138 Voltage 400V 50Hz Motor Drum Belt Conveyor Roller

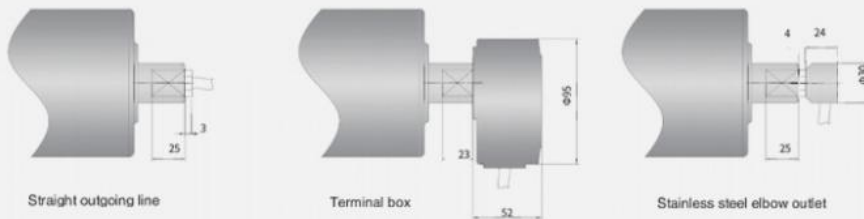
DM138 Voltage 400V 50Hz Motor Drum Belt Conveyor Roller

Application :	DM138 Voltage 400V 50Hz Motor Drum Belt Conveyor Roller for High Power Conveyors, Security screening machines, Meat processing industry,	Voltage	400V
Power	1.1KW	Diameter	138mm
Motor frequency	50Hz	Material	304 stainless steel, Galvanised carbon steel
Cylinder length	Customised	Linear Velocity	0.1m/s~1.5m/s
Gear	High alloy steel gear	Function	Transport bulk and finished goods
Function	Compact structure, high power, high sealing performance, low energy consumption, high mobility, strong physical properties, powerful driving device, low noise		

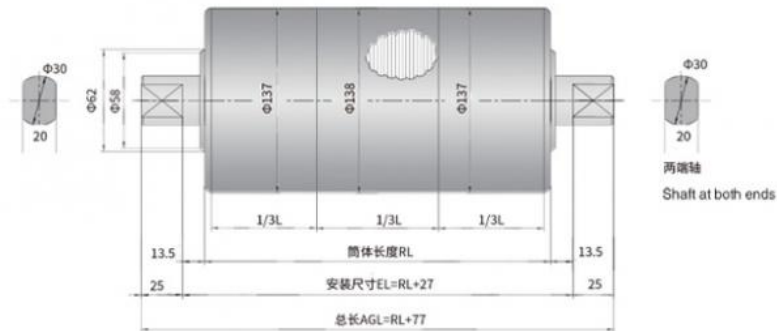
Dimensions of DM138 electric roller



RL = Reference length/Order length * (including capping)
 EL = Installation length
 AGL is the total length of the axis.



Dimension drawing of DM138 driven roller



With the minimum cylinder length and weight as the standard, the weight of the electric drum will increase by about 3.8kg for every 100 mm of cylinder length.

Roller characteristics

DM138-3*400V/50Hz

power (KW/hp)	Motor stage	Number of gear poles	Gear ratio	Nominal belt speed(m/s)	torque (Nm)	Tractive force(N)	Rated current(A)	Minimum barrel length (mm)	Weight at minimum barrel length(Kg)
0.37/0.5	4	4	97.58	0.1	237.8	3447.99	1.05	350	-
			73.75	0.14	179.7	2605.96		329	19
		58.7	0.17	143.0	2074.16				
		48.79	0.21	118.9	1723.99				
		42.14	0.25	102.7	1489.02				
		33.54	0.31	81.7	1185.14				
		27.88	0.38	67.9	985.14				
		2	21.07	0.5	51.3	744.51			
			16.77	0.62	40.9	592.57			
			13.94	0.75	34.0	492.57			

0.55/0.75	4	3	58.7	0.17	212.6	3083.22	1.57	350	21
			48.79	0.21	176.7	2562.69			
			42.14	0.25	152.6	2213.40			
			33.54	0.31	121.5	1761.69			
			27.88	0.38	101.0	1464.40			
			2	21.07	0.5	76.3			
		16.77		0.62	60.7	880.84			
		13.94		0.75	50.5	732.20			

0.55/0.75	2	4	117.4	0.18	212.6	3083.22	1.28	350	21
			97.58	0.21	176.7	2562.69		329	19
		3	73.75	0.28	133.6	1936.86			
			58.7	0.36	106.3	1541.61			
			48.79	0.43	88.4	1281.35			
			42.14	0.5	76.3	1106.70			
			33.54	0.62	60.7	880.84			
			27.88	0.75	50.5	732.20			
		2	21.07	0.99	38.2	553.35			
			16.77	1.25	30.4	440.42			
		13.94	1.5	25.2	366.10				

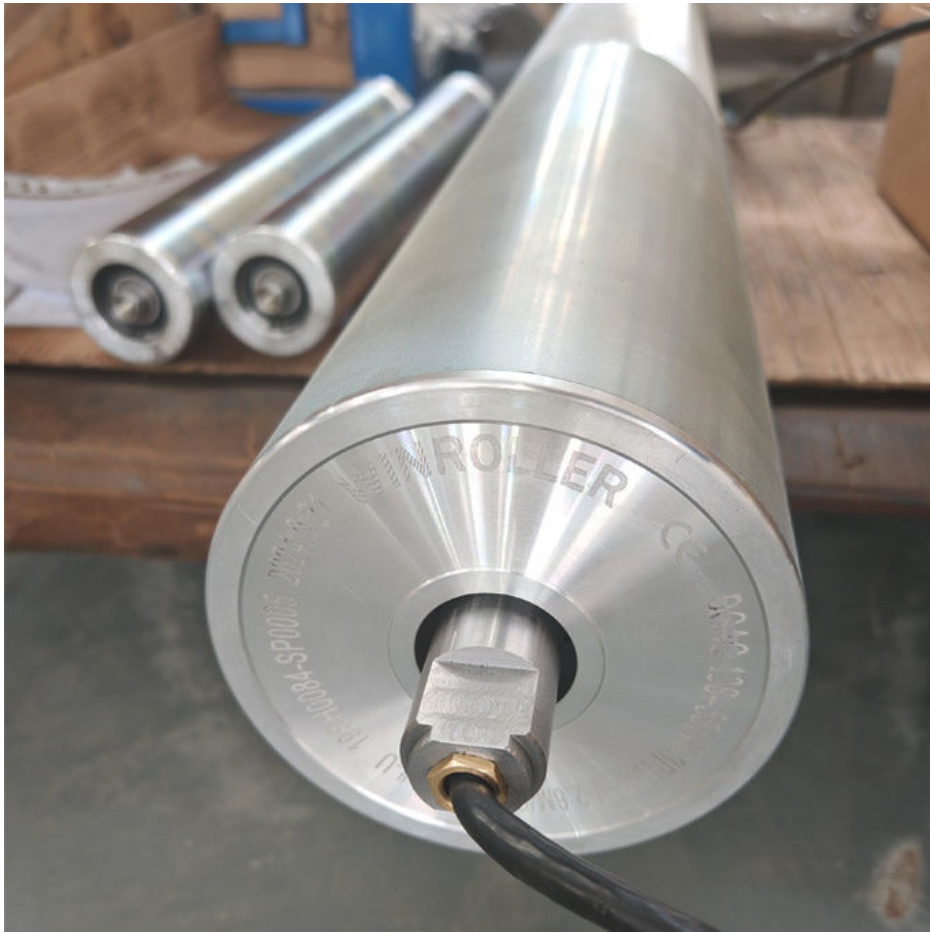
DM138-3*400V/50Hz

power (KW/hp)	Motor stage	Number of gear poles	Gear ratio	Nominal belt speed(m/s)	torque (Nm)	Tractive force(N)	Rated current(A)	Minimum barrel length (mm)	Weight at minimum barrel length(Kg)
0.75/1.02	4	3	48.79	0.21	241.0	3494.58	2	379	25
			42.14	0.25	208.2	3018.28			
			33.54	0.31	165.7	2402.30			
			27.88	0.38	137.7	1996.91			
		2	21.07	0.5	104.1	1509.14			
			16.77	0.62	82.8	1201.15			
			13.94	0.75	68.9	998.45			
0.75/1.02	2	4	97.58	0.21	241.0	3494.58	1.63	350	22
			73.75	0.28	182.1	2641.17			
		3	58.7	0.36	145.0	2102.19			
			48.79	0.43	120.5	1747.29			
			42.14	0.5	104.1	1509.14			
			33.54	0.62	82.8	1201.15			
			27.88	0.75	68.9	998.45			
			21.07	0.99	52.0	754.57			
		2	16.77	1.25	41.4	600.58			
			13.94	1.5	34.4	499.23			
1.1/1.5	2	3	58.7	0.36	212.6	1541.61	2.62	379	26
			48.79	0.43	176.8	1281.35			
			42.14	0.5	152.6	1106.70			
			33.54	0.62	121.4	880.84			
			27.88	0.75	101	732.20			
		2	21.07	0.99	76.4	553.35			
			16.77	1.25	60.8	440.42			
			13.94	1.5	50.4	366.10			

Note : It's just the typical technical data for you reference, The specification such as voltage, speed, torque, shaft can be customized by your needs. Please contact us for more details. Thanks.

Feature Picture of DM138 Voltage 400V 50Hz Motor Drum Belt Conveyor Roller





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