



DM113i-1 Oil-Immersed Belt Conveyor Roller AC Motorized 230V/50Hz For Flat Belt Conveyor

Our Product Introduction

Basic Information

- Place of Origin: China Jiangsu
- Brand Name: Winroller
- Certification: CE,SGS,ISO9001,ROHS,UL
- Model Number: Winroller DM113i-1 230V/50Hz AC Motor Oil-Immersed Belt Conveyor Roller
- Minimum Order Quantity: 1stick
- Price: Contact Us
- Packaging Details: Wooden case
- Delivery Time: 7-15 word days
- Payment Terms: TT, L/C
- Supply Ability: 1000000/year



Product Specification

- Product Name: DM113i-1 230V/50Hz AC Motor Oil-Immersed Belt Conveyor Roller
- Diameter: 113mm
- Voltage: 230V
- Power: 0.12kw/HP~ 0.75kw/HP
- Linear Velocity: 5.4m/min~ 85.8m/min
- Material: 304 Stainless Steel, Galvanised Carbon Steel
- Type: Oil-Cooled Electric Roller
- Highlight: **230V Motorized Conveyor Roller, 230V motorised drive roller, 50Hz AC Motorized Conveyor Roller**



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DM113i-1 Oil-Immersed Belt Conveyor Roller AC Motorized 230V/50Hz For Flat Belt Conveyor

Features Overview of DM113i-1 Oil-Immersed Belt Conveyor Roller

The DM113i-1 AC Motor Oil-Immersed Belt Conveyor Roller is designed for industries like logistics, food processing, and packaging, delivering powerful, low-noise performance with IP66/67 protection and customizable options for demanding operational environments.

Function of DM113i-1 Oil-Immersed Belt Conveyor Roller

The DM113i-1 Oil-Immersed Belt Conveyor Roller is a high-performance solution designed to power flat belt conveyor systems in demanding industrial environments. Its oil-immersed motor ensures efficient cooling and lubrication, reducing internal wear and extending the service life of the roller. This feature makes it ideal for continuous operation under heavy loads, with the added benefit of low noise levels, perfect for industries such as food processing, packaging, and logistics where quiet, reliable performance is critical.

One of the key advantages of the DM113i-1 is its versatility. The roller can be fully customized to meet specific customer requirements, including adjustable drum length, surface treatment options (such as antislip threads), and optional accessories like backstops. This flexibility allows for seamless integration into a variety of conveyor configurations, ensuring optimized performance for different operational needs.

In addition to its robust design, the DM113i is certified by international safety and quality standards, including CE certification, offering customers peace of mind regarding its compliance with global regulations. With an IP66/67 protection rating, the roller is fully sealed against dust, water, and other harsh environmental factors, making it suitable for a wide range of industrial applications where durability and performance are paramount.

Application of DM113i-1 Oil-Immersed Belt Conveyor Roller

Flat Belt Conveyor
 Small conveyor, high-load cycle
 Airport check-in conveyor
 Packing machine
 Belt weigher
 Medicine processing
 Food processing
 Steel or plastic modular belt application

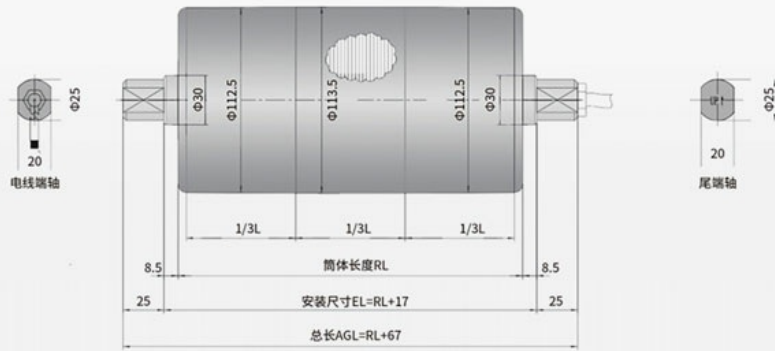
Technical Parameters of DM113i-1 Oil-Immersed Belt Conveyor Roller

DM113i-1 Oil-Immersed Belt Conveyor Roller

Application	DM113i-1 Oil-Immersed Belt Conveyor Roller AC Motorized 230V/50Hz for flat belt conveying system, airport check-in conveyor, packing machine, belt weigher, medicine processing	Voltage	230V
Power	0.12kw/HP~ 0.75kw/HP	Diameter	113mm
Type	Oil-Cooled Electric Roller	Material	304 stainless steel, Galvanised carbon steel
Cylinder length	Customised	Linear Velocity	5.4m/min~85.8m/min

Outline dimensions of oil-cooled electric drum

Dimensions of DM113i electric roller

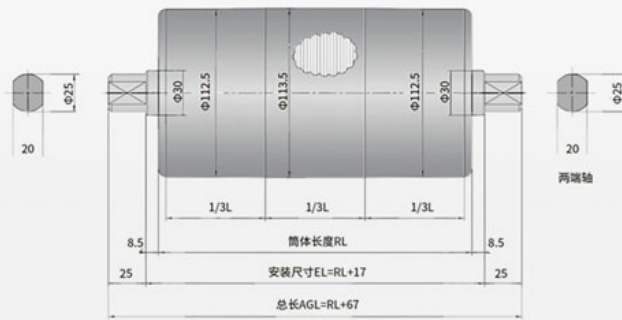


RL = Reference length/Order length * (including capping)

EL = Installation length

AGL is the total length of the axis.

Dimensions of DM113i 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

DM113i-1 *230v/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 mini barrel length(l)
0.12/0.16	4	4	99.38	0.09	78.54	1390.24	0.84	320	12
			80.89	0.11	63.93	1131.58			
			67.23	0.13	53.13	940.49			
		3	60.60	0.14	47.89	847.74		300	10
			49.32	0.17	38.98	689.94			
			41.00	0.21	32.40	573.55			
			37.66	0.23	29.76	526.83			
			31.65	0.27	25.01	442.76			
			25.76	0.33	20.36	360.36			
			21.41	0.40	16.92	299.51			
			19.30	0.44	15.25	269.99			
		2	15.71	0.55	12.42	219.77			
			13.06	0.66	10.32	182.70			
			12.00	0.71	9.48	167.87			
0.18/0.24	4	3	60.60	0.14	71.84	1271.61	1.4	300	10
			49.32	0.17	58.47	1034.91			
			41.00	0.21	48.61	860.33			
			37.66	0.23	44.65	790.24			
			31.65	0.27	37.52	664.13			
			25.76	0.33	30.54	540.54			
			21.41	0.40	25.38	449.26			
		2	19.30	0.44	22.88	404.98			
			15.71	0.55	18.62	329.65			
			13.06	0.66	15.48	274.05			
			12.00	0.71	14.23	251.80			
0.23/0.31	4	3	49.32	0.17	74.71	1322.39	1.67	335	13.5
			41.00	0.21	62.11	1099.31			
			37.66	0.23	57.05	1009.76			
			31.65	0.27	47.94	848.61			
			25.76	0.33	39.02	690.69			
			21.41	0.40	32.43	574.05			
		2	19.30	0.44	29.24	517.48			
			15.71	0.55	23.80	421.22			
			13.06	0.66	19.78	350.17			
			12.00	0.71	18.18	321.75			

DM113i-3i*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 mini barrel length(i)
0.15/0.2	4	4	80.89	0.11	79.91	1414.47	0.47	320	12
			67.23	0.13	66.42	1175.61			
			60.60	0.14	59.87	1059.67			
		3	49.32	0.17	48.72	862.43			
			41.00	0.21	40.51	716.94			
			37.66	0.23	37.21	658.54			
			31.65	0.27	31.27	553.44			
			25.76	0.33	25.45	450.45			
			21.41	0.40	21.15	374.38			
			19.30	0.44	19.07	337.49			
		2	15.71	0.55	15.52	274.71			
			13.06	0.66	12.90	228.37			
			12.00	0.71	11.86	209.84			

0.18/0.24	4	4	67.23	0.13	79.70	1410.73	0.57	342	14
			60.60	0.14	71.84	1271.61			
		3	49.32	0.17	58.47	1034.91			
			41.00	0.21	48.61	860.33			
			37.66	0.23	44.65	790.24			
			31.65	0.27	37.52	664.13			
			25.76	0.33	30.54	540.54			
			21.41	0.40	25.38	449.26			
			19.30	0.44	22.88	404.98			
		2	15.71	0.55	18.62	329.65			
			13.06	0.66	15.48	274.05			
			12.00	0.71	14.23	251.80			

0.25/0.34	4	3	49.32	0.17	81.21	1437.38	0.84	324	11.5
			41.00	0.21	67.51	1194.90			
			37.66	0.23	62.01	1097.56			
			31.65	0.27	52.11	922.41			
			25.76	0.33	42.42	750.75			
			21.41	0.40	35.25	623.97			
		2	19.30	0.44	31.78	562.48			
			15.71	0.55	25.87	457.85			
			13.06	0.66	21.50	380.62			
			12.00	0.71	19.76	349.73			

0.25/0.34	2	4	99.38	0.17	81.82	1448.16	0.68	300	10
			80.89	0.21	66.59	1178.73			
			67.23	0.26	55.35	979.67			
		3	60.60	0.28	49.89	883.06			
			49.32	0.35	40.60	718.69			
			41.00	0.42	33.75	597.45			
	37.66		0.46	31.00	548.78				
	31.65		0.54	26.06	461.20				
	25.76		0.67	21.21	375.37				
	2	21.41	0.80	17.63	311.99				
		19.67	0.87	16.19	286.63				
		19.30	0.89	15.89	281.24				
		15.71	1.09	12.93	228.93				
		13.06	1.31	10.75	190.31				
12.00		1.43	9.88	174.86					

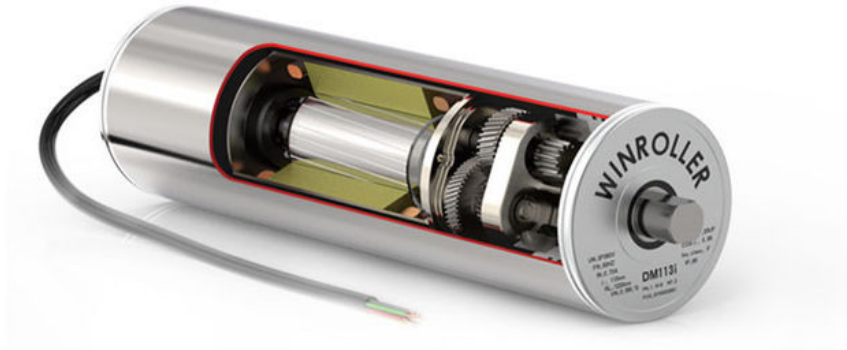
0.37/0.5	4	3	31.65	0.27	77.13	1365.16	1.13	324	11.5
			25.76	0.33	62.77	1111.11			
			21.41	0.40	52.17	923.48			
		2	19.30	0.44	47.03	832.47			
			15.71	0.55	38.28	677.62			
			13.06	0.66	31.83	563.32			
	12.00	0.71	29.24	517.60					

0.37/0.5	2	4	67.23	0.26	81.92	1449.92	0.92	325	11.5
			60.60	0.28	73.84	1306.93			
			49.32	0.35	60.09	1063.66			
			41.00	0.42	49.96	884.23			
			37.66	0.46	45.89	812.20			
			31.65	0.54	38.56	682.58			
		3	25.76	0.67	31.39	555.55			
			21.41	0.80	26.09	461.74			
			19.67	0.87	23.97	424.21			
			19.30	0.89	23.52	416.23			
			15.71	1.09	19.14	338.81			
			13.06	1.31	15.91	281.66			
	2	12.00	1.43	14.62	258.80				

0.55/0.75	2	3	41.00	0.42	74.26	1314.39	1.24	335	13.5
			37.66	0.46	68.21	1207.32			
			31.65	0.54	57.32	1014.65			
			25.76	0.67	46.66	825.82			
			21.41	0.80	38.78	686.37			
			19.67	0.87	35.63	630.59			
		2	19.30	0.89	34.96	618.73			
			15.71	1.09	28.45	503.64			
			13.06	1.31	23.65	418.68			
			12.00	1.43	21.73	384.70			

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 DM113i-1 Oil-Immersed Belt Conveyor Roller



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