CODEMA
Cranes & Components

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BMS SERIES

EUROPEAN ELECTRIC WIRE ROPE HOIST

CODEMA
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CODEMA

Multi-product + Advanced Technology + System Solution

CODEMA sets high quality products and advanced technology in one, in addition to the lifting industry experts and experience A wealth of engineers; It also offers a wide range of products and safe and reliable system solutions.And to best serve our customers.





BMG SERIES EUROPEAN ELECTRIC WIRE ROPE HOIST

PRODUCT ADVANTAGES:

- Accumulation and Innovation
- Compact structure, excellent performance
- Efficient Transmission and power source
- Excellent performance, safe and reliable

R & D Manufacturing

Standard Configuration Of BMG Series Wire Rope Electric Hoists

- Double speed lifting motor with 1ton-32ton standard variable
- Frequency lifting motor with 32ton to 100ton standard Lifting electromagnetic disc brake and maintenance-free design
- 220V/3P/60Hz supply voltage
- Control voltage 24V
- Lifting limit switch
- Variable frequency motor of trolley with the speed of 5/20 m / min
- Protection grade of electric motor is Grade IP65, and insulation grade is F
- Lifting hook group with safety clasp
- Load lifting limiter
- Environment temperature : -20C°~+40C°

Compact structure, light self-weight, small wheel-pressure and high comprehensive cost performance

Leading technology and component performance ensure the optimal extreme dimension of the products and the height of equipment and the compact structure under the premise of ensuring the high efficiency. Within the same plant and working area, BMG series European Electric Wire Rope Hoist can cover larger working range, which increases the utilization of the internal area of the plant and decreases the dead zone, if the plant is designed in accordance with the parameters of series of products of CODEMA during the design stage. Requirements for the lifting equipment can be greatly reduced for the height and bearing capacity of the plant, which reduces above 10% of plant investment for the customers and improves the efficiency of investment.

Save operating costs and green energy saving

European type cranes equipped with BMG series European Electric Wire Rope Hoists can significantly reduce self-weight of the girder and the complete machine, and decrease the total power of running, as well as can save over 30% of power per year on average compared with the plants hose use the domestic traditional cranes, Meanwhile, the running noise is superior to the national standard of BMG series European Electric Wire Rope Hoist, which created a move quiet work space.

Selection of high quality of components with safety and reliability and durable in use

Components with high quality are the basis for excellent quality of products. CODEMA company takes each components seriously from lifting motors to reducers, from reels to steel wire ropes, from safe and reliable electrical components to the best structure components. Because CODEMA company believes the only each components of good performance and quality can ensure the performance and quality of the complete machine. Lifting trinity mechanism with compact structure and superior performance is developed and designed for BMG series European Electric Wire Rope Hoist. The reduction gear products low noise and becomes durable in use by high precision grinding and hardening treatment of the gear surface.

Electrical connection sustained rate is up to 60% of the lifting motor, which not only meets frequent use during the process of production, but improves the reliability of the products. The imported brake disc provides the breaking lifetime of more than one million times with excellent wear-resisting property.

Precise positioning and efficient running can improve production efficiency

CODEMA Standard lifting with double speed (optional frequency conversion) and frequency conversion control of trolley ensure the efficient running of the crane and promotion of logistics efficiency in workshop, and ensure the implementation of the whole work plans of customers on schedule. By the application of frequency conversion technology, it can effectively reduce shaking of load in the process of handling, which makes the load positioning more quickly and accurately. Simultaneously, it significantly reduces the impact of starting and braking, thus the whole handling process becomes much more smooth and safe.

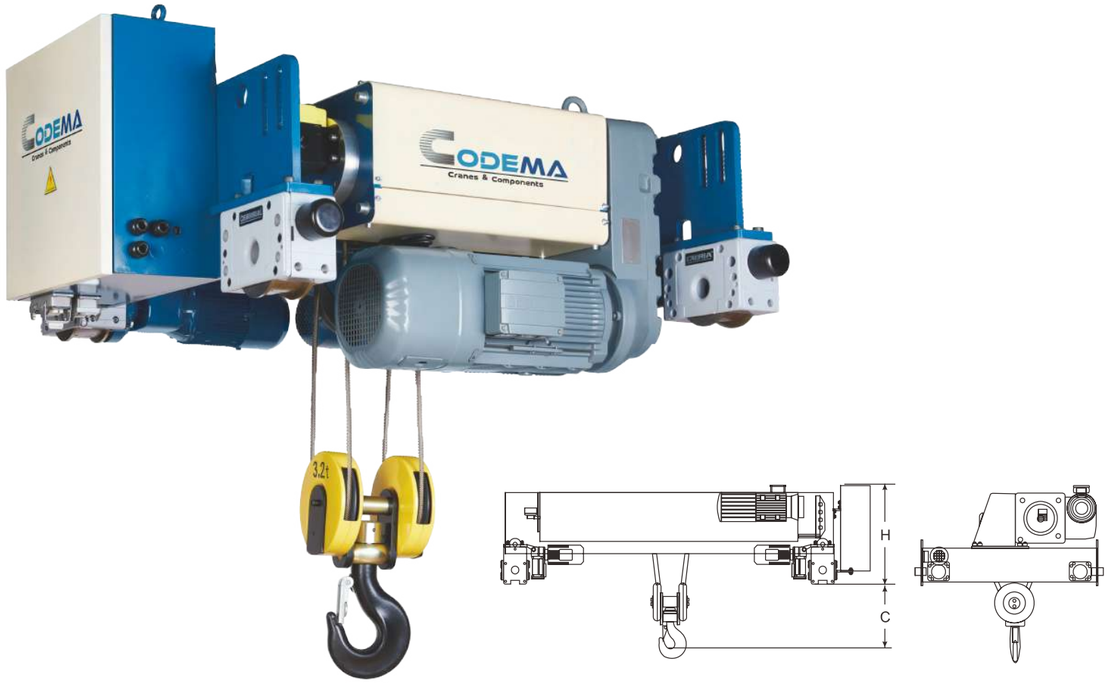
Safe and reliable, running monitoring and simple and convenient maintenance

CODEMA Patented technology product is provided with various functions such as monitoring, protection, which can ensure safe and reliable operation of the crane, and its running monitoring unit can make detailed records of running condition of electric hoist, running status of motor and safety working cycle, and provide warning in advance. All records can provide data for maintenance, and the root of the problem should be understood to be able to provide maintenance much more timely and efficiently.

Modular design and multiple options can meet various demands of customer

The concept of modular design has always been throughout the whole product design, which ensures the standard and interchangeability of parts, greatly reduces the maintenance costs of products. All products series of CODEMA company is provided with complete inventory of spare parts, and professional service team ensures to provide after-sales service to solve the troubles of customers after purchasing the equipment in a timely manner.

EUROPEAN ELECTRIC WIRE ROPE HOIST (DOUBLE GIRDER)



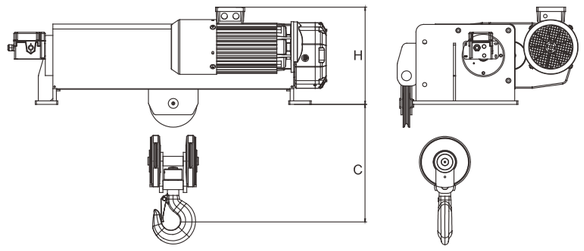
CODEMA EUROPEAN ELECTRIC WIRE ROPE HOIST TECHNICAL PARAMETERS (DOUBLE GIRDER)

Hoist capacity	Model	Lifting height	Lifting speed	Lifting motor	Traveling speed	Traveling motor	Lifting grade		Runing grade		H	C	Min. Gauge
							FEM	ISO	FEM	ISO			
3200kg	BMG-3.2	6	5/0.8m/min	3.2/0.45	5-20m/min	0.64*2	2M	M5	3M	M6	475	450	1200
	BMG-3.2	9	5/0.8m/min	3.2/0.45	5-20m/min	0.64*2	2M	M5	3M	M6	475	450	1200
	BMG-3.2	12	5/0.8m/min	3.2/0.45	5-20m/min	0.64*2	2M	M5	3M	M6	475	450	1400
	BMG-3.2	15	5/0.8m/min	3.2/0.45	5-20m/min	0.64*2	2M	M5	3M	M6	475	450	1400
	BMG-3.2	18	5/0.8m/min	3.2/0.45	5-20m/min	0.64*2	2M	M5	3M	M6	475	450	1700
5000kg	BMG-5.0	6	5/0.8m/min	6.1/1	5-20m/min	0.64*2	2M	M5	2M	M5	475	490	1200
	BMG-5.0	9	5/0.8m/min	6.1/1	5-20m/min	0.64*2	2M	M5	2M	M5	475	490	1200
	BMG-5.0	12	5/0.8m/min	6.1/1	5-20m/min	0.64*2	2M	M5	2M	M5	475	490	1400
	BMG-5.0	15	5/0.8m/min	6.1/1	5-20m/min	0.64*2	2M	M5	2M	M5	475	490	1400
	BMG-5.0	18	5/0.8m/min	6.1/1	5-20m/min	0.64*2	2M	M5	2M	M5	475	490	1700
6300kg	BMG-6.3	6	5/0.8m/min	6.1/1	5-20m/min	0.64*2	2M	M5	2M	M5	475	490	1200
	BMG-6.3	9	5/0.8m/min	6.1/1	5-20m/min	0.64*2	2M	M5	2M	M5	475	490	1200
	BMG-6.3	12	5/0.8m/min	6.1/1	5-20m/min	0.64*2	2M	M5	2M	M5	475	490	1400
	BMG-6.3	15	5/0.8m/min	6.1/1	5-20m/min	0.64*2	2M	M5	2M	M5	475	490	1400
	BMG-6.3	18	5/0.8m/min	6.1/1	5-20m/min	0.64*2	2M	M5	2M	M5	475	490	1700

CODEMA EUROPEAN ELECTRIC WIRE ROPE HOIST TECHNICAL PARAMETERS (DOUBLE GIRDER)

Hoist capacity	Model	Lifting height	Lifting speed	Lifting motor	Traveling speed	Traveling motor	Lifting grade		Runing grade		H	C	Min. Gauge
							FEM	ISO	FEM	ISO			
8000kg	BMG-8.0	6	5/0.8m/min	9.5/1.5	5-20m/min	0.96*2	2M	M5	3M	M6	562	580	1200
	BMG-8.0	9	5/0.8m/min	9.5/1.5	5-20m/min	0.96*2	2M	M5	3M	M6	562	580	1400
	BMG-8.0	12	5/0.8m/min	9.5/1.5	5-20m/min	0.96*2	2M	M5	3M	M6	562	580	1700
	BMG-8.0	15	5/0.8m/min	9.5/1.5	5-20m/min	0.96*2	2M	M5	3M	M6	562	580	1700
	BMG-8.0	18	5/0.8m/min	9.5/1.5	5-20m/min	0.96*2	2M	M5	3M	M6	562	580	2000
10000kg	BMG-10.0	6	5/0.8m/min	9.5/1.5	5-20m/min	0.96*2	2M	M5	2M	M5	562	580	1200
	BMG-10.0	9	5/0.8m/min	9.5/1.5	5-20m/min	0.96*2	2M	M5	2M	M5	562	580	1400
	BMG-10.0	12	5/0.8m/min	9.5/1.5	5-20m/min	0.96*2	2M	M5	2M	M5	562	580	1700
	BMG-10.0	15	5/0.8m/min	9.5/1.5	5-20m/min	0.96*2	2M	M5	2M	M5	562	580	1700
	BMG-10.0	18	5/0.8m/min	9.5/1.5	5-20m/min	0.96*2	2M	M5	2M	M5	562	580	2000
12500kg	BMG-12.5	6	5/0.8m/min	12.5/2	5-20m/min	0.96*2	1M	M4	2M	M5	562	580	1200
	BMG-12.5	9	5/0.8m/min	12.5/2	5-20m/min	0.96*2	1M	M4	2M	M5	562	580	1400
	BMG-12.5	12	5/0.8m/min	12.5/2	5-20m/min	0.96*2	1M	M4	2M	M5	562	580	1700
	BMG-12.5	15	5/0.8m/min	12.5/2	5-20m/min	0.96*2	1M	M4	2M	M5	562	580	1700
	BMG-12.5	18	5/0.8m/min	12.5/2	5-20m/min	0.96*2	1M	M4	2M	M5	562	580	2000
16000kg	BMG-16.0	6	4/0.6m/min	16/2.6	5-20m/min	0.96*2	2M	M5	2M	M5	760	890	1400
	BMG-16.0	9	4/0.6m/min	16/2.6	5-20m/min	0.96*2	2M	M5	2M	M5	760	890	1400
	BMG-16.0	12	4/0.6m/min	16/2.6	5-20m/min	0.96*2	2M	M5	2M	M5	760	890	1700
	BMG-16.0	15	4/0.6m/min	16/2.6	5-20m/min	0.96*2	2M	M5	2M	M5	760	890	2000
	BMG-16.0	18	4/0.6m/min	16/2.6	5-20m/min	0.96*2	2M	M5	2M	M5	760	890	2400
20000kg	BMG-20.0	6	4/0.6m/min	16/2.6	5-20m/min	0.96*2	1M	M4	2M	M5	760	890	1400
	BMG-20.0	9	4/0.6m/min	16/2.6	5-20m/min	0.96*2	1M	M4	2M	M5	760	890	1400
	BMG-20.0	12	4/0.6m/min	16/2.6	5-20m/min	0.96*2	1M	M4	2M	M5	760	890	1700
	BMG-20.0	15	4/0.6m/min	16/2.6	5-20m/min	0.96*2	1M	M4	2M	M5	760	890	2000
	BMG-20.0	18	4/0.6m/min	16/2.6	5-20m/min	0.96*2	1M	M4	2M	M5	760	890	2400
25000kg	BMG-25.0	6	3.3/0.8m/min	20.0/5.0	5-20m/min	1.1*2	3M	M6	3M	M6	990	900	1700
	BMG-25.0	9	3.3/0.8m/min	20.0/5.0	5-20m/min	1.1*2	3M	M6	3M	M6	990	900	2000
	BMG-25.0	12	3.3/0.8m/min	20.0/5.0	5-20m/min	1.1*2	3M	M6	3M	M6	990	900	2400
	BMG-25.0	15	3.3/0.8m/min	20.0/5.0	5-20m/min	1.1*2	3M	M6	3M	M6	990	900	2800
	BMG-25.0	18	3.3/0.8m/min	20.0/5.0	5-20m/min	1.1*2	3M	M6	3M	M6	990	900	3100
32000kg	BMG-32.0	6	3.3/0.8m/min	20.0/5.0	5-20m/min	1.1*2	2M	M5	2M	M5	990	900	1700
	BMG-32.0	9	3.3/0.8m/min	20.0/5.0	5-20m/min	1.1*2	2M	M5	2M	M5	990	900	2000
	BMG-32.0	12	3.3/0.8m/min	20.0/5.0	5-20m/min	1.1*2	2M	M5	2M	M5	990	900	2400
	BMG-32.0	15	3.3/0.8m/min	20.0/5.0	5-20m/min	1.1*2	2M	M5	2M	M5	990	900	2800
	BMG-32.0	18	3.3/0.8m/min	20.0/5.0	5-20m/min	1.1*2	2M	M5	2M	M5	990	900	3100
40000kg	BMG-40.0	6	0.8~4.9m/min	38	5-20m/min	1.5*2	1M	M4	2M	M5	990	980	2000
	BMG-40.0	9	0.8~4.9m/min	38	5-20m/min	1.5*2	1M	M4	2M	M5	990	980	2200
	BMG-40.0	12	0.8~4.9m/min	38	5-20m/min	1.5*2	1M	M4	2M	M5	990	980	2500
	BMG-40.0	15	0.8~4.9m/min	38	5-20m/min	1.5*2	1M	M4	2M	M5	990	980	2800
	BMG-40.0	18	0.8~4.9m/min	38	5-20m/min	1.5*2	1M	M4	2M	M5	990	980	3100
50000kg	BMG-50.0	6	0.53~3.2m/min	38	5-20m/min	1.5*2	2M	M5	2M	M5	990	1060	2200
	BMG-50.0	9	0.53~3.2m/min	38	5-20m/min	1.5*2	2M	M5	2M	M5	990	1060	2700
	BMG-50.0	12	0.53~3.2m/min	38	5-20m/min	1.5*2	2M	M5	2M	M5	990	1060	3100
	BMG-50.0	15	0.53~3.2m/min	38	5-20m/min	1.5*2	2M	M5	2M	M5	990	1060	3600
	BMG-50.0	18	0.53~3.2m/min	38	5-20m/min	1.5*2	2M	M5	2M	M5	990	1060	4000

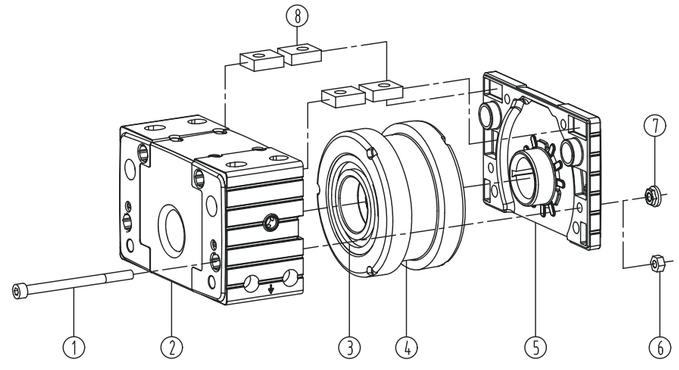
FIXED TYPE EUROPEAN WIRE ROPE HOIST (GOODS HOIST)



FIXED TYPE EUROPEAN WIRE ROPE HOIST (GOODS HOIST)

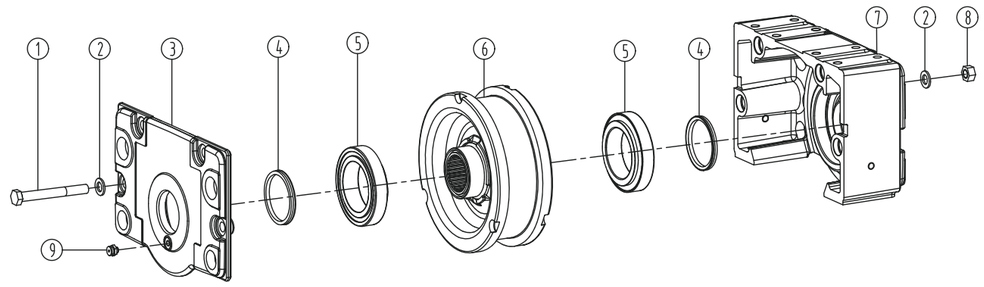
Hoist capacity	Model	Lifting height	Lifting speed	Lifting motor	Lifting grade		H	C
					FEM	ISO		
3000kg	BMF-3.2	6	1.6/10m/min	1/6.1	2M	M5	400	650
	BMF-3.2	9	1.6/10m/min	1/6.1	2M	M5	400	650
	BMF-3.2	12	1.6/10m/min	1/6.1	2M	M5	400	650
	BMF-3.2	15	1.6/10m/min	1/6.1	2M	M5	400	650
	BMF-3.2	18	1.6/10m/min	1/6.1	2M	M5	400	650
5000kg	BMF-5.0	6	1.6/10m/min	1.5/9.5	2M	M5	510	780
	BMF-5.0	9	1.6/10m/min	1.5/9.5	2M	M5	510	780
	BMF-5.0	12	1.6/10m/min	1.5/9.5	2M	M5	510	780
	BMF-5.0	15	1.6/10m/min	1.5/9.5	2M	M5	510	780
	BMF-5.0	18	1.6/10m/min	1.5/9.5	2M	M5	510	780

BRS112-BRS200



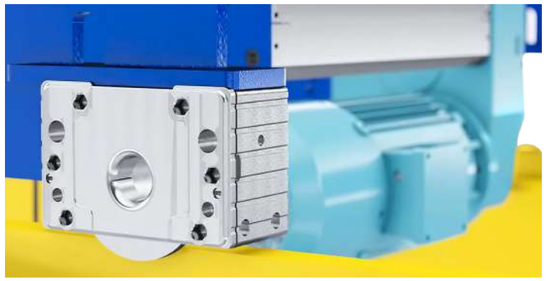
Type	① Screw	② Box	③ Bearing	④ Wheel	⑤ Box cover	⑥ Nut	⑦ Lock nut	⑧ Sliding nut
BRS112	22.13.111	12.12.101	21.11.106	/	12.12.102	22.15.105	22.21.105	12.12.141
BRS125	22.13.111	12.13.101	21.11.102	/	12.13.102	22.15.105	22.21.105	12.13.141
BRS160	22.13.112	12.14.101	21.11.103	/	12.14.102	22.15.106	22.21.104	12.14.141
BRS200	22.13.113	12.15.101	21.11.104	/	12.15.102	22.15.106	22.21.104	12.15.141

BRS250-BRS500



Type	① Screw	② Washer	③ Box cover	④ Sealing ring	⑤ Bearing	⑥ Wheel	⑦ Box	⑧ Nut	⑨ Grease nip
BRS250	22.14.101	22.20.106	12.16.103	23.11.101	21.11.201	/	12.16.101	22.15.101	21.11.106
BRS315	22.14.102	22.20.106	12.17.103	23.11.102	21.11.202	/	12.17.101	22.15.101	21.11.102
BRS400	22.14.103	22.20.107	12.18.103	23.11.103	21.11.203	/	12.18.101	22.15.102	21.11.103
BRS500	22.14.104	22.20.108	12.19.103	23.11.104	21.11.204	/	12.19.101	22.15.103	21.11.104

TECHNICAL OVERVIEW

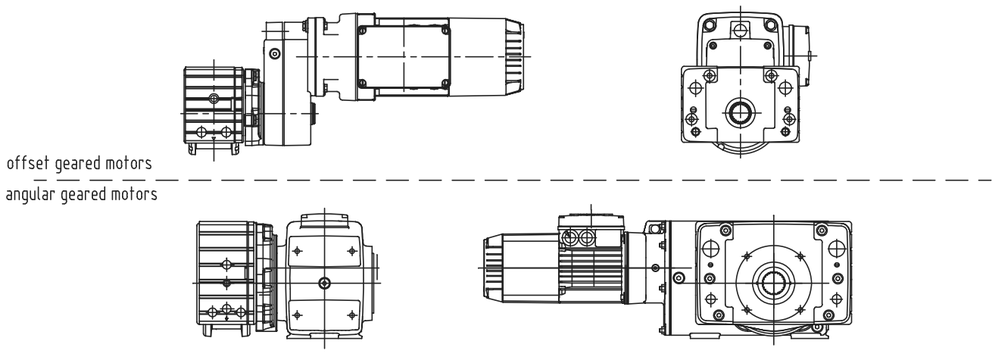


CODEMA MOTOR

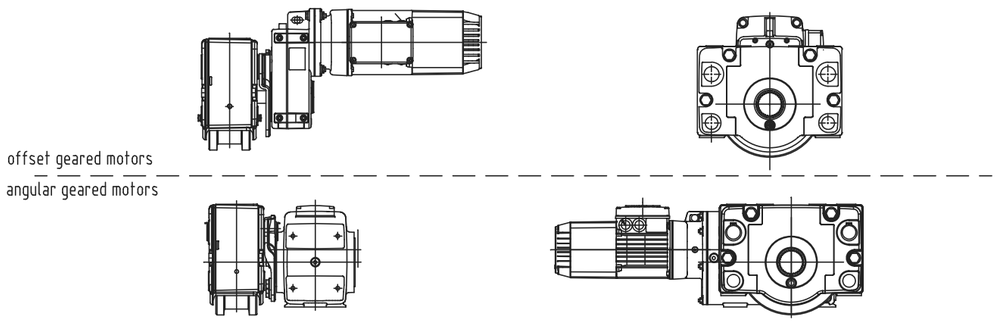
BMD	2	42
CODEMA Motor Drive	Gaer type: 2/3/4/5/6/7	Ratio: 20/25/32/42/63/72/90

A35	P037	R1400
Spline DIN5480	Motor Power	Motor RPM
A35 = 35×2×30×16×8f A45 = 45×2×30×21×8f A50 = 50×2×30×24×8f A65 = 65×2×30×31×8f A75 = 75×3×30×24×8f A90 = 75×3×30×28×8F	P037 = 0.37KW P064 = 0.64KW P096 = 0.96KW P130 = 1.3KW P190 = 1.9KW P260 = 2.6KW P300 = 3.0KW	R1400 = 1400 RPM R2800 = 2800 RPM

CODEMA MOTOR



Type	Speed(25m/min)			Speed(32m/min)			Speed(40m/min)		
	Ratio	Gear	Motor	Ratio	Gear	Motor	Ratio	Gear	Motor
BRS112	32	BMD2	0.37KW	25	BMD2	0.37KW	20	BMD2	0.64KW
BRS125	32	BMD2	0.37KW	25	BMD2	0.37KW	25	BMD2	0.64KW
BRS160	42	BMD2	0.37KW	32	BMD2	0.64KW	32	BMD3	0.96KW
BRS200	63	BMD3	0.64KW	42	BMD3	0.96KW	42	BMD3	1.3KW



Type	Speed(25m/min)			Speed(32m/min)			Speed(40m/min)		
	Ratio	Gear	Motor	Ratio	Gear	Motor	Ratio	Gear	Motor
BRS112	72	BMD4	0.96KW	63	BMD4	1.3KW	42	BMD4	1.9KW
BRS125	105	BMD5	1.3KW	72	BMD5	1.9KW	63	BMD6	2.6KW
BRS160	120	BMD6	1.9KW	90	BMD6	2.6KW	72	BMD7	3.8KW
BRS200	150	BMD7	2.6KW	120	BMD7	3.8KW	105	BMD7	3.8KW