



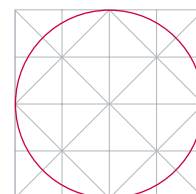
ELECTRIC DRIVES
FOR EVERY DEMAND



Roller table motors

Heavy duty design
for mains operation

www.vem-group.com





Roller table motors

Heavy duty design for mains operation

Drives for rolling mills

Robust to meet the toughest demands

The drive elements of the mill and driving tables in rolling mills are required to meet especially exacting electrical and mechanical demands.

VEM roller table motors are ideally prepared to stand up to such extreme operating conditions, because they

- › cope with all operating modes, such as continuous, intermittent and short-time duty, as well as start-up, braking and reversing functions
- › withstand the high ambient temperatures of the molten steel
- › handle the overloads arising should jammed stock block the transport system
- › have been demonstrating their function capabilities and reliability for many decades.

Versatile and adaptable

Robust grey-cast iron design with ring-ribbed housings is optimally suited for the extreme ambient conditions in a rolling mill. Especially for older plants the heavy duty motor series ARB is available which is specially designed for mains operation and can endure blocking periods lasting several minutes without any damage.

Internationally proven quality

VEM roller table motors are available in numerous versions. Not only the design series ARB for mains operation is available, but also the series ARC which features specially designed windings for inverter operation.

This will satisfy the demands of modern drive technology for inverter operation. VEM drives of these two types are operating reliably for renowned European and global enterprises in the metallurgical industry.



Heavy-duty roll table motors for mains-fed operation are the drives of choice in many areas of the metallurgical industry, above all in rolling mills.

Series	ARB
Sizes	22 to 65
Output range	0.4 – 5.5 kW
Types of protection	IP 55 acc. to IEC/EN 60034-1
Types of construction	IM B3, IM B35 and derived types of construction acc. to IEC/EN 60034-7
Cooling method	IC 410 acc. to IEC/EN 60034-6

		4-pole 1500 rpm		6-pole 1000 rpm		8-pole 750 rpm		10-pole 600 rpm		12-pole 500 rpm	
	Size mm	P _{eff} kW	M _a Nm	P _{eff} kW	M _a Nm	P _{eff} kW	M _a Nm	P _{eff} kW	M _a Nm	P _{eff} kW	M _a Nm
ARB 22	132	1.1	22.5	0.8a	18.5	0.6	22.5	0.8	28	0.4	29
ARB 33	125	2.2	56	1.5	53	1.1	42	3	170	2.2	140
ARB 54	170	-	-	5.5	240	4	190	4	250	3	200
ARB 65	200	-	-	-	-	5.5	210	-	-	-	-

		16-pole 375 rpm		24-pole 300 rpm		12/6-pole 500/1000 rpm	
	Size mm	P _{eff} kW	M _a Nm	P _{eff} kW	M _a Nm	P _{eff} kW	M _a Nm
ARB 54	170	1.1	115	0.8	100	2.5/4.0	135/100
ARB 65	200	2.2	200	1.5	175	3.7/5.0	210/170

Please refer to our catalogues for technical details. The catalogues are available in printed or in digital version on DVD. They are also available in the internet.



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For detailed information
please visit our website.