

PENTA direct current motors



The Penta range of direct current motors is the ideal solution for applications that operate at variable speeds.

Power, reliability and long-life are the fade-free characteristics that distinguish the product. Use of high quality materials, plurennial experience when it comes to using the technology that allows the complete magnetizing cycle to be controlled, plus painstaking mechanical and electrical design achieve a product whose technical specifications stand out in the market. The mechanical configurations, options and wide range of windings available make the product versatile and adaptable to every specific need.

Motor Type	Power Watt		Torque at Rated Speed (Nm)	Voltage (Vdc)	Constructive Range			Ventilation		Dimensions (mm)	
	3000 Rpm	2000 Rpm			B3	B5	B14	Natural	Fan cooled	Diameter	Length
PENTA 1S PENTA 1M PENTA 1L	45 70 95		0.14 0.22 0.30	24÷48	• • •	• • •	• • •			57.8	109.5 136 183.5
PENTA 4S PENTA 4M PENTA 4L	300 600 900	200 400 600	0.95 1.9 2.86	12÷180 24÷180 24÷180	• • •	• • •	• • •	• • •		116	197.5 227.5 257.5
PENTA 5X PENTA 5XS PENTA 5S PENTA 5SL PENTA 5M PENTA 5L	100 150 200 300 360 500	70 100 135 200 240 335	0.32 0.48 0.64 0.96 1.15 1.6	12÷180 12÷180 12÷180 24÷180 36÷180 48÷180	• • • • • •	• • • • • •	• • • • • •	• • • • • •		83.5	144.5 177.5 212.5 229 267.5 322.5
PENTA 5XA PENTA 5XSA PENTA 5SA PENTA 5SLA PENTA 5MA	150 235 300 440 565	100 155 200 290 375	0.48 0.75 0.96 1.4 1.8	12÷180 12÷180 24÷180 24÷180 24÷180	• • • • •	• • • • •	• • • • •	• • • • •		107	189.5 222.5 257.5 274 312.5
PENTA 7SA PENTA 7MA PENTA 7LA	750 1100 1500	500 750 1100	2.4 3.5 4.8	90÷180 90÷180 110÷180	• • •	• • •	• • •	• • •		116	318 390 462

Features

- IP54 protection (IP55 available as an optional)
- Class F insulation
- Permanent magnets in ferrite
- Pre-engineered at the front for an oil seal
- Copper-silver commutator
- Options: tachometer generator, brake, encoder
- CE certified