

Most explosion-proof motors up to frame size 315 L from Siemens AG can be used as marine motors if ordered with the relevant order codes. The following table shows the series of explosion-proof motors that are available with type testing up to frame size 315 L:

Motor type	Standard degree of protection	Frame design	Motor series ¹⁾	Motor frame sizes	Output range in kW Output data for mains-fed operation 50 Hz at CT 45 °C in temperature class 155 (F), used according to 155 (F).
Self-ventilated motors in Zone 1 with type of protection "e" (Zone 1 Exe II T3)	IP55	Aluminum	1MA7	63 M ... 160 L	0.12 ... 16
		Cast-iron	1MA6	100 L ... 315 L	1.3 ... 165
Self-ventilated motors in Zone 1 with type of protection "d" (Zone 1 Exde IIC T4)	IP55	Cast-iron	1MJ6	71 M ... 200 L	0.25 ... 37
			1MJ7	225 S ... 315 M	30 ... 132
Self-ventilated motors in Zone 2 with type of protection "n"	IP55	Aluminum	1LA7	63 M ... 160 L	0.09 ... 18.5
			1LA9	63 M ... 160 L	0.12 ... 18.5
		Cast-iron	1LA6	100 L ... 160 L	0.75 ... 18.5
			1LG4/1LG6	180 M ... 315 L	11 ... 200
Self-ventilated motors in Zone 21 with protection against dust explosions	IP55	Aluminum	1LA7	56 M ... 160 L	0.06 ... 18.5
			1LA5	180 M ... 225 M	11 ... 45
			1LA9	56 M ... 200 L	0.06 ... 37
		Cast-iron	1LG4/1LG6	180 M ... 315 L	11 ... 200
Self-ventilated motors in Zone 22 with protection against dust explosions	IP55	Aluminum	1LA7	56 M ... 160 L	0.06 ... 18.5
			1LA5	180 M ... 225 M	11 ... 45
			1LA9	56 M ... 200 L	0.06 ... 37
		Cast-iron	1LA6	100 L ... 160 L	0.75 ... 18.5
			1LG4/1LG6	180 M ... 315 L	11 ... 200

For technical specifications and selection and ordering data, see the relevant sections of "Explosion-proof motors".

For further information about order codes see "Special versions".

¹⁾ With explosion-proof motors, derating is necessary. Please contact your local Siemens office for advice.