

MADE IN ITALY

Hygienic LINE

HYGIENIC WASHDOWN MOTORS

INOX



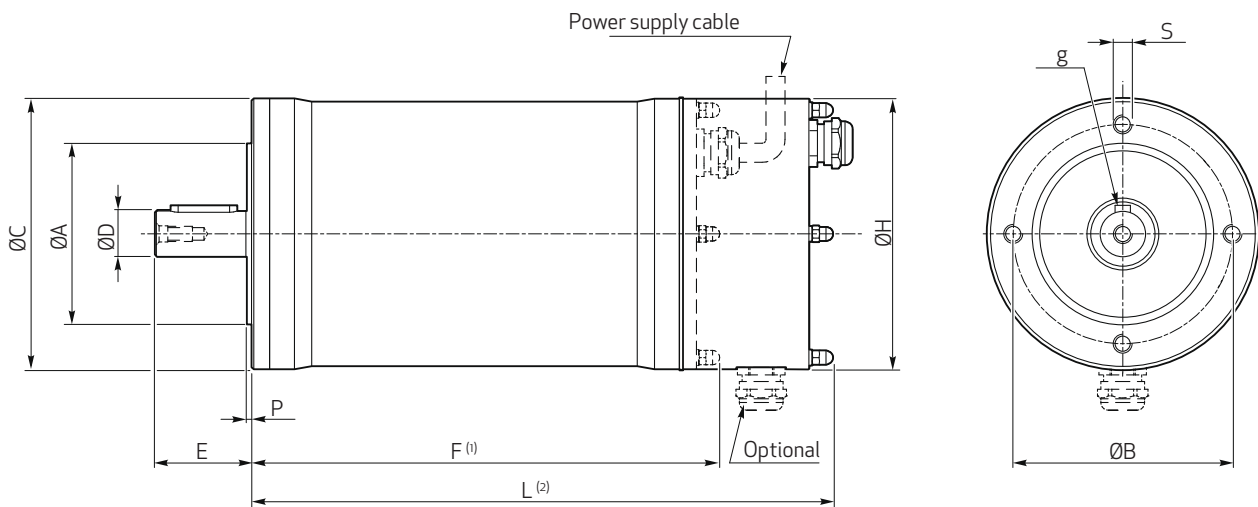


Stainless steel motor line with completely smooth surface, capable of respecting and guaranteeing the highest hygienic standards demanded by the market.

The motors are manufactured with tubular frame, totally enclosed and without ventilation. The nameplate data is laser engraved directly onto the end shield or to the rear of the terminal box, with no removal of material. All the exterior parts of the motor are in stainless steel, no plastic components are used. **The surface of these motors is extremely easy to clean**, and they **withstand the most common aggressive agents** used to clean the main machinery including the motor. There isn't any area where leftovers of dust or processing residuals may accumulate. Stainless steel motors are available with a single cable gland or with the rear terminal box, where it is also possible to position a terminal block, brake or a position transducer.

These motors excellently resist corrosion and represent a **reliable and long-lasting solution** in those areas where the hygiene is a basic requirement. The IP degree of stainless-steel motors is **IP69K** and the efficiency class is **IE4 Premium**. Thanks to an **accurate electrical design**, the internal heating and the surface temperature are limited. Moreover, these motors are particularly suitable to be used with an inverter, because they are made with superior class insulations. Our motors are **100% Made in Italy** and produced with **premium quality** materials and controlled processes.

As for all the other Carpanelli motors, also for stainless steel motors it is possible to study and design special **customized solutions**, both electrically and mechanically, in order to satisfy all the needs of the customer.



INOX	B14 Standard											B14 Special							
	A j6	B	C	D j6	E	g	F (1)	L (2)	H	P	S	A j6	B	C	D j6	E	g	P	S
MSS71	70	85	105	14	30	5	227	281	117	2.5	M6X10	60	75	105	11	23	4	2.5	M5X9
MSS80	80	100	120	19	40	6	246	306	143	3	M6X12	95	115	140	24	50	8	3	M8X12
MSS90	95	115	140	24	50	8	300	370	182	3	M8X16	110	130	160	28	60	8	3.5	M8X16

(1): Standard motor.

(2): Motor with additional features.



IE4		Nominal Power		Speed	Efficiency	Nominal Current	Power Factor	Nominal Torque	Starting Ratio	
		Tipo	Pn [kW]	[Hp]	n [rpm]	μ [%IE4]	An [A]	Cos φ -	Cn [Nm]	Cs/Cn -
2 POLES	MSS71a2	0.13	0.18	2850	67.4	0.37	0.77	0.43	4	7.56
	MSS71b2	0.18	0.25	2850	70.8	0.48	0.77	0.6	4.2	6.36
	MSS71c2	0.25	0.37	2880	74.3	0.58	0.81	0.84	4.5	7.9
	MSS80a2	0.37	0.5	2850	78.1	0.91	0.76	0.84	4.15	6.9
	MSS80b2	0.5	0.7	2850	80.8	1.1	0.82	1.67	4	7
	MSS80c2	0.75	1	2850	83.5	1.54	0.86	2.5	3.6	6.9
	MSS90a2	1.1	1.5	2870	85.2	2.32	0.81	3.66	5.22	8.27
	MSS90b2	1.5	2	2900	86.5	3.25	0.78	5	4.79	9.83
4 POLES	MSS71a4	0.13	0.18	1420	70.9	0.37	0.73	0.88	3.6	6.5
	MSS71b4	0.18	0.25	1420	74.7	0.49	0.71	1.252	4	6.3
	MSS71c4	0.25	0.37	1410	77.9	0.67	0.75	1.77	3.5	5.6
	MSS80a4	0.37	0.5	1460	81.1	1.03	0.74	2.5	5.8	8.7
	MSS80b4	0.5	0.75	1440	83.2	1.15	0.76	3.3	6.8	9.3
	MSS80c4	0.75	1	1440	85.7	1.73	0.75	5	6	9
	MSS90a4	0.75	1	1450	85.7	1.69	0.75	5	6.3	9.5
	MSS90b4	1.1	1.5	1450	87.2	2.31	0.78	7.22	4.53	9
	MSS90c4	1.5	2	1440	88.2	3.01	0.83	9.87	4	8.3
6 POLES	MSS71a6	0.13	0.18	880	65.9	0.42	0.69	1.41	1.63	1.67
	MSS71b6	0.18	0.25	850	70.1	0.56	0.7	1.95	2.6	3
	MSS80a6	0.18	0.25	890	70.1	0.54	0.7	1.93	2.8	3.2
	MSS80b6	0.25	0.37	900	74.1	0.52	0.7	2.65	3.2	3.4
	MSS80c6	0.37	0.5	890	78	1.24	0.71	3.97	1.7	3.4
	MSS80d6	0.5	0.7	900	80.3	1.25	0.72	5.3	2.4	3.7
	MSS90a6	0.75	1	920	82.7	1.42	0.76	7.78	2.4	4.72
	MSS90b6	1.1	1.5	930	84.5	2.44	0.78	11.29	2.86	5.1

WARNING: Technical data reported in the table refer to voltage 230/400V, 50Hz.

Different voltages only on request.





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