

PROTECTION TYPE

The protection against people accidental contacts and/or the entry of corps and/or the entry of water is expressed at international level (EN60529) by a symbolic acronym composed by a group of 2 letters and 2 numbers.

IP index of protection reference letters

1° num. Protection of people against contacts and protection against the entry of solid corps

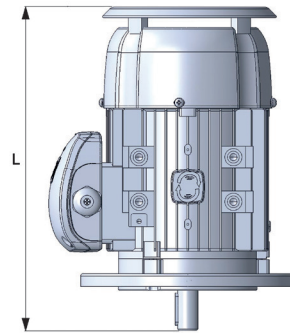
2° num. Protection against harmful entry of water

Motive motors are IP55 protected

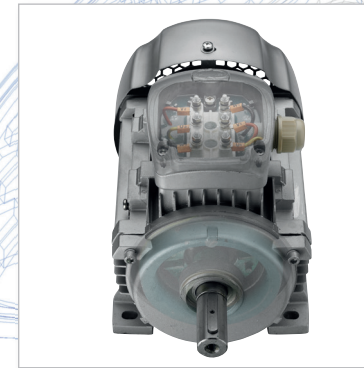
	1° number	2° number
0	no protection	no protection
1	protection against solid corps bigger than 50mm	protection against vertical water drops
2	protection against solid corps bigger than 12mm	protection against water drops fall up to 15° of inclination
3	protection against solid corps bigger than a 2,5mm	protection against water drops up to 60° of inclination
4	protection against solid corps bigger than 1 mm	protection against water sprayed by all directions
5	protection against harmful dust deposits	protection against water launched by a nozzle of 6,3mm D with a water capacity 12,5lt/min at a distance of maximum 3 mt for 3 min
6	complete protection against the total penetration of dust	protection against water projections similar to sea waves
7		protection from temporary submersion in water; up to 1 meter in depth

RAIN SHIELD OR CLEAN FLOW FAN COWL FOR TEXTILE INDUSTRY

For outdoor applications with V5 - V18 - V1 - V15 installation, we recommend to mount a rain shield. This configuration may also be used in textiles processing industry.

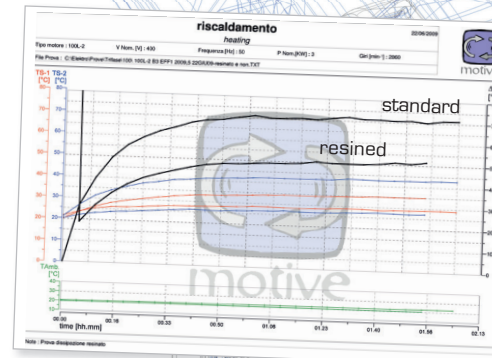


TYPE	L
63	215
71	323
80	369
90S	403
90L	428
100	469
112	453
132S	573
132M	613
160M	770
160L	825
180M	915
180L	955
200L	1025
225S	1155
225M	1160
250M	1220
280S	1265
280M	1315
315S	1540
315M	1570
315L	1680
355M	1840
355L	1870
400	2290



TOTAL SEALING

Resin coated stator is a safe solution to the presence of very strong humidity or aggressive environments (for instance, carwash systems or chemical plants). It offers also a lower heating thanks to the thermal dissipation capacity of the resin.



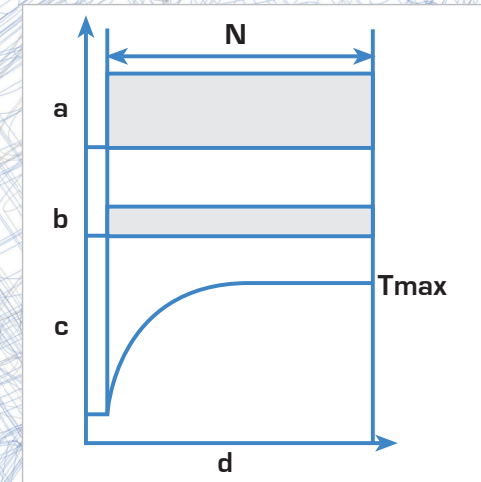
The ideal combination is the resin-filled terminal box. In this case, according to the customer needs, the terminal block can be partially immersed, or totally immersed in such insulating and protective resin. In alternative, the terminal box and block can be taken off and the motor frame be closed by a sealed plate from which a cable can come out.

DUTY SERVICE

All Motive motors shown in this catalogue are made for S1 continuous duty service, as per IEC 34-1 norm. The duty service class is shown on the rating plate.

Below are described the various types of service:

S1 - Continuous service: operating at constant load of duration N in order to reach a thermal balance.



a = load
b = electric losses
c = temperature
d = time
N = steady load operating time
Tmax = max temperature achieved

S2 - Limited-duration service.

S3 - Periodic intermittent service.

S4 - Periodic intermittent service with start-up.

S5 - Periodic intermittent service with electric braking.

S6 - Uninterrupted periodic service with intermittent load.

S7 - Uninterrupted periodic service with electric braking.

S8 - Uninterrupted periodic service with correlated load and velocity variations.

S9 - Service with non-periodic variations in load and speed.