

APM series Aluminum premium electric motors

Motori elettrici in alluminio

Section **AM**
Sezione AM



Sizes: IEC 63..90L, 4 poles
Voltage: Δ/Y 230/400V - 50Hz
Protection: I.Cl.F - IP69k - IC410
Efficiency: IE3 (IEC60034-30, IEC60034-2-1, $P_n \geq 0,75kW$)
Duty cycle: S1
Other features: INVERTER DUTY, HYGIENIC, PTO PROTECTION INCLUDED



FEATURES

Caratteristiche

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Electrical motors of the APM series have no cooling fins and are treated with the innovative “Hi-Cleaning” coating applying nano particles (patented system), which makes the surface very easy to clean and resistant to major aggressive agents used in sanitizing.

La gamma APM non ha alette di raffreddamento ed è trattata con un innovativo rivestimento «Hi-Cleaning» alle nano particelle (sistema brevettato) che rende la superficie estremamente facile da pulire e resistente ai principali agenti aggressivi usati nella sanificazione.

All external components are manufactured in aluminium while motor shaft is produced in 420 stainless steel with magnetic properties and all screws are made of 316L stainless steel.

Tutti i componenti esterni sono realizzati in alluminio, l'albero motore è in acciaio AISI420 con proprietà magnetiche, tutte le viterie in AISI316L.

Standard plastic Hygienic cable gland.

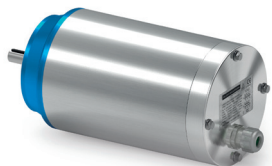
Pressacavo “igienico” standard in plastica.

Product label on the back cover

Etichetta sul coperchio posteriore.

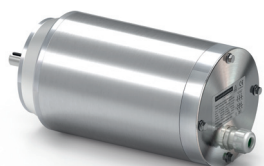
Easy connection with Wire-to-Wire heat-shrinkable splicings.

L' utilizzo di connettori testa-testa termo-sigillanti rende semplice il collegamento dei cavi.



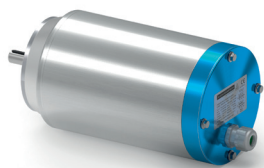
Totally enclosed and non-ventilated (IC410) design along with completely smooth surfaces ensures the highest hygienic standards.

Totamente chiuso, non ventilato (IC410), le superfici completamente lisce garantiscono gli standard di igienicità più elevati richiesti dal mercato.



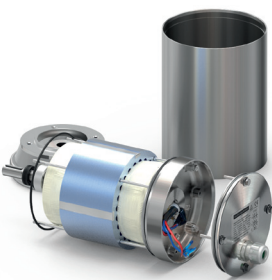
The surface temperature is rather low thanks to an accurate electromagnetic design and additional internal active material. The efficiency class is IE3.

La temperatura di superficie è contenuta grazie ad una progettazione accurata. La classe di efficienza è IE3 ($\geq 0.75kW$).



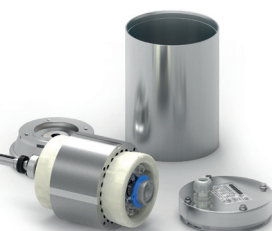
Pipe housing without weldings and terminal box on the NDE enhance the impact of an eye-catching design.

Carcassa tubolare senza saldature, coprimorsettiera posteriore e look accattivante.



Motors are suitable for INVERTER DUTY OPERATION with large range at constant torque, thanks to low loss laminations, vacuum impregnation of the windings and inverter duty magnet wires. Stator and rotor are coated with anti-oxidant painting.

I motori sono idonei al funzionamento con INVERTER con ampio range a coppia costante, grazie a lamiere a basse perdite e all'impregnazione degli avvolgimenti sottovuoto. Statore e rotore sono rivestiti con vernice antiossidante.



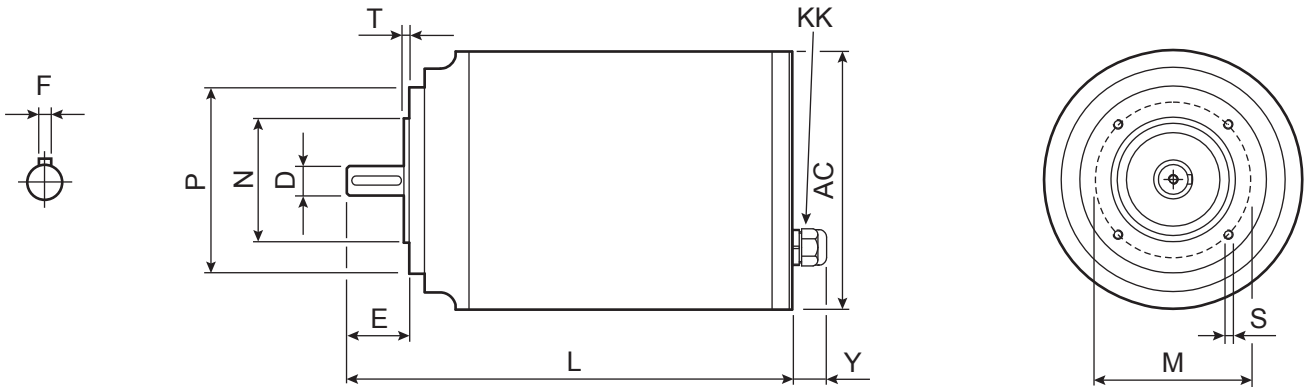
NDE bearing is axially locked. Precise mechanical execution.

Cuscinetto posteriore bloccato assialmente, esecuzione meccanica precisa.

B14

Dimensions Dimensioni

63A÷90L



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4 poles B14

Motor	kW	IE3	rpm (min ⁻¹)	Nm	A (400V)	COS (ϕ)	D	F	E	L	AC	Y	N	M	P	T	S	Kg	KK
63A	0.12		1440	0.80	0.44	0.57	11 j6	4	23	229	131	24	60 j6	75	90	2.5	4xM5	6.9	M16x1.5 ø4-8 Tightening: 2 Nm
63B	0.18			1.19	0.58	0.62	M4											8.0	
71A	0.25		1440	1.66	0.72	0.64	14 j6	5	30	266	131	27	70 j6	85	105	2.5	4xM6	9.4	M20x1.5 ø6-12 Tightening: 3 Nm
71B	0.37			2.45	1.10	M5	11.1												
80A	0.55		1460	3.60	1.50	0.67	19 j6	6	40	280	166		80 j6	100	120	3	4xM6	15.3	M25x1.5 ø13-18 Tightening: 4 Nm
80B	0.75			4.91	2.10	M6	18.0												
90S	1.1		1460	7.20	2.90	0.70	24 j6	8	50	345	166	30	95 j6	115	140	3	4xM8	22.7	M25x1.5 ø13-18 Tightening: 4 Nm
90L	1.5			9.81	4.00	M8	28.4												