



## MOTORI SOMMERSI 4" RIAVVOLGIBILI PER APPLICAZIONI STANDARD SERIE NBS4

## NBS4 SERIES. 4" REWINDABLE SUBMERSIBLE MOTORS FOR STANDARD APPLICATIONS

## MOTEURS IMMERGÉS DE 4" REBOBINABLÉS POUR APPLICATIONS STANDARD SÉRIE NBS4

SISTEMA DI QUALITÀ DIN EN ISO 9001:2000 CERTIFICATO TÜV  
DIN EN ISO 9001:2000 QUALITY SYSTEM TÜV CERTIFIED  
SYSTÈME DE QUALITÉ DIN EN ISO 9001 :2000 CERTIFIÉ TÜV



### MOTORI SOMMERSI 4" SERIE NBS4.

- I motori sono già riempiti e pronti all'uso. Non necessitano di pre-manutenzione.
- Potenze: Monofase: 0.37 kW ÷ 3.7 kW / Trifase: 0.37 kW ÷ 7.5 kW.
- Tensione: Monofase 220/230 V ±10% o 230/240 V ±10% - 50 Hz.
- Trifase 230 V o 400 V ± 10% - 50 Hz.
- Monofase 115 V - 60 Hz (0.37 kW ÷ 0.75 kW).
- Monofase 230 V - 60 Hz (0.37 kW ÷ 3.7 kW).
- Trifase 230 V o 460 V - 60 Hz (0.37 kW ÷ 7.5 kW).
- Carichi assiali:
  - Serie NBS4: 1500 N (0.37 kW ÷ 0.75 kW); 2500 N (1.1 kW ÷ 5.5 kW).
  - Serie NBS4K: 4500 N (2.2 kW ÷ 7.5 kW).
- Rotore a gabbia di scoiattolo fabbricato secondo le normative IEC 34-1.
- Statore avvolto con filo di rame.
- Carcasa esterna in acciaio inox AISI 304 (DIN 1.4301).
- Estremità albero in AISI 303 (DIN 1.4305) o AISI 630 (DIN 1.4548).
- Protezione del supporto inferiore in PPO.
- Supporto superiore in ghisa, verniciata anti-ruggine con coperchio di protezione inox AISI 304.
- Membrana di compensazione della pressione.
- Cuscinetti assiali a sfere lubrificati.
- Para-sabbia.
- Tenuta meccanica.
- Lubrificante totalmente atossico approvato dal FDA (USA).
- Direzione di rotazione: Monofase - antioraria / Trifase: antioraria e oraria.
- Su richiesta, sono disponibili versioni speciali a tensioni particolari.



### 4" SUBMERSIBLE MOTORS NBS4 SERIES.

- Motors are pre-filled with dielectric fluid, maintenance-free.
- Ratings: Single-phase: 0.37 kW ÷ 3.7 kW / Three-phase: 0.37 kW ÷ 7.5 kW.
- Voltages: Single-phase 220/230 V ±10% or 230/240 V ±10% - 50 Hz.
- Three-phase 230 V or 400 V ± 10% - 50 Hz.
- Single-phase 115 V - 60 Hz (0.37 kW ÷ 0.75 kW).
- Single-phase 230 V - 60 Hz (0.37 kW ÷ 3.7 kW).
- Three-phase 230 V or 460 V - 60 Hz (0.37 kW ÷ 7.5 kW).
- Axial thrusts:
  - NBS4 Series: 1500 N (0.37 kW ÷ 0.75 kW); 2500 N (1.1 kW ÷ 5.5 kW).
  - NBS4K Series: 4500 N (2.2 kW ÷ 7.5 kW).
- Squirrel cage rotor made according to IEC 34-1 standards.
- Enamel insulated wire wound stator.
- AISI 304 (DIN 1.4301) stainless steel outer shell.
- AISI 303 (DIN 1.4305) SS or AISI 630 (DIN 1.4548) SS end shaft.
- Cast-iron upper bracket anti-rust painted with AISI 304 stainless steel cover.
- PPO bottom end cover.
- Pressure compensation diaphragm.
- Fluid lubricated angular contact ball bearing.
- Sand slinger.
- Mechanical seal.
- FDA (USA) approved non-toxic lubricant fluid.
- Direction of rotation: Single-phase: CCW / Three phase: CCW and CW.
- Special versions for different voltages available on request.



### MOTEURS IMMERGÉS DE 4" TYPE NBS4.

- Moteurs pré-remplis par lubrifiant, ils ne nécessitent pas d'entretien.
- Puissances: Monophasé: 0.37 kW ÷ 3.7 kW / Triphasé: 0.37 kW ÷ 7.5 kW.
- Tensions: Monophasé: 220/230 V ±10% ou 230/240 V ±10% - 50 Hz.
- Triphasé 230 V ou 400 V ± 10% - 50 Hz.
- Monophasé 115 V - 60 Hz (0.37 kW ÷ 0.75 kW).
- Monophasé 230 V - 60 Hz (0.37 kW ÷ 3.7 kW).
- Triphasé 230 V ou 460 V - 60 Hz (0.37 kW ÷ 7.5 kW).
- Charges axiales:
  - Type NBS4: 1500 N (0.37 kW ÷ 0.75 kW); 2500 N (1.1 kW ÷ 5.5 kW).
  - Type NBS4K: 4500 N (2.2 kW ÷ 7.5 kW).
- Rotor à cage d'écureuil fabriqué selon la norme IEC 34-1.
- Stator bobiné.
- Chemise moteur en acier inox AISI 304 (DIN 1.4301).
- Bout d'arbre en acier inox AISI 630 (DIN 1.4548) ou AISI 303 (DIN 1.4305).
- Flasque supérieur en fonte, vernis anti-rouille et couvercle inox AISI 304.
- Protection flasque inférieur en PPO.
- Membrane de compensation de pression.
- Roulements axiaux lubrifiés avec lubrifiant.
- Garniture anti-sable.
- Garniture mécanique.
- Lubrifiant non toxique approuvé par le FDA (USA).
- Direction de rotation: Monophasé: anti-horaire - Triphasé: anti-horaire et horaire.
- Exécutions spéciales pour tensions et températures sur demande.



### MOTORI SOMMERSI 4" SERIE NBS4.

- Accoppiamento: dimensioni e flangia costruiti secondo le Norme NEMA per i motori 4".
- Monofase: tipo PSC.
- Grado di protezione: IP 68.
- Classe di isolamento: F.
- Temperatura massima dell'acqua nel pozzo: 30° C.
- PH dell'acqua: 6.5 - 8.0.
- Velocità minima del flusso di raffreddamento: 8 cm/sec.
- Numero massimo di avviamenti/ora: 30.
- Profondità massima di immersione: 150 m.
- Posizione di montaggio: verticale; orizzontale su richiesta e autorizzazione Coverco.
- Protezione: relé termico da selezionare secondo le normative EN 60947-4-1.
- Tempo di scatto: < 10 sec. à 5 x In.
- Cavo piatto con filo di terra incorporato.
- Sezione: 4 x 1.5 mm<sup>2</sup>.
- Dimensioni: 14.6 x 5.1 mm.
- Lunghezza: 1.5 m (0.37 kW ÷ 1.5 kW) - 2.5 m (2.2 kW ÷ 5.5 kW) - 3.5 m (7.5 kW).



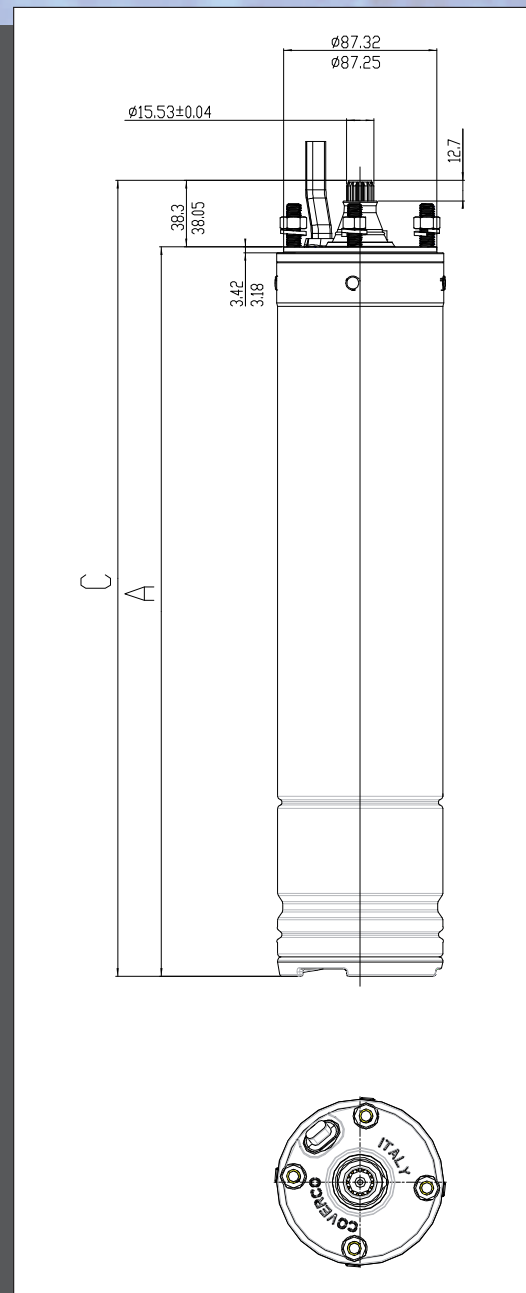
### NBS4 SERIES 4" SUBMERSIBLE MOTORS.

- Coupling: dimensions and flange in accordance with NEMA 4" standards.
- Single-phase: PSC type.
- Degree of protection: IP 68.
- Insulation class: F.
- Maximum water temperature: 30° C.
- Water pH: 6.5 - 8.0.
- Minimum cooling flow speed: 8 cm/sec.
- Maximum no. of starts per hour: 30.
- Maximum submerged depth: 150 m.
- Mounting position: vertical; horizontal if approved by Coverco technicians.
- Protection: thermal overload to be selected according to EN 60947-4-1 standard.
- Trip time: < 10 sec. at 5 x In.
- Flat cable with incorporated earth.
- Cross-section area: 4 x 1.5 mm<sup>2</sup>.
- Dimensions: 14.6 x 5.1 mm.
- Length: 1.5 m (0.37 kW ÷ 1.5 kW) - 2.5 m (2.2 kW ÷ 5.5 kW) - 3.5 m (7.5 kW).



### MOTEURS IMMERGÉS DE 4" TYPE NBS4.

- Montage: cotes et flasque selon les normes NEMA 4".
- Monophasé: type PSC.
- Degré de protection: IP 68.
- Classe d'isolation: F.
- Température maximale de l'eau: 30° C.
- pH de l'eau: 6.5 - 8.0.
- Vitesse minimale du flux de refroidissement: 8 cm/sec.
- Numéro maximale de démarrages / heure: 30.
- Profondeur d'immersion maximale: 150 m.
- Montage: vertical; horizontal si autorisé par les techniciens Coverco.
- Protection: relais thermique sélectionné selon norme EN 60947-4-1.
- Temps de déclenchement: < 10 sec. à 5 x In.
- Câble plat avec fils de masse incorporé.
- Section: 4 x 1.5 mm<sup>2</sup>.
- Dimensions: 14.6 x 5.1 mm.
- Longueur: 1.5 m (0.37 kW ÷ 1.5 kW) - 2.5 m (3.7 kW ÷ 5.5 kW) - 3.5 m (7.5 kW).



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50 Hz - 60 Hz						
CODE CODIGO CODE	SUPPLY ALIMENT. ALIMENT.	RATINGS POTENCIAS PUISSANCES		AXHIAL THRUST CARGA AXIAL CHARGE AXIALE	DIMENSIONS DIMENSIONES TAILLES	WEIGHT PESO POIDS
		1 ~ / 3 ~	kW			
NBS4 050M	1-phase	0.37	0.50	1500	364	8.1
NBS4 075M	1-phase	0.55	0.75	1500	389	9.2
NBS4 100M	1-phase	0.75	1.00	1500	411	10.3
NBS4 150M	1-phase	1.1	1.50	2500	434	11.4
NBS4 200M	1-phase	1.5	2.00	2500	467	12.8
NBS4 300M	1-phase	2.2	3.00	2500	565	17.4
NBS4K 300M	1-phase	2.2	3.00	4500	565	17.4
NBS4K 500M	1-phase	3.7	5.00	4500	680	24.1
NBS4 050T	3-phase	0.37	0.50	1500	350	7.4
NBS4 075T	3-phase	0.55	0.75	1500	364	8.0
NBS4 100T	3-phase	0.75	1.00	1500	384	8.8
NBS4 150T	3-phase	1.1	1.50	2500	411	10.1
NBS4 200T	3-phase	1.5	2.00	2500	428	10.8
NBS4 300T	3-phase	2.2	3.00	2500	467	12.5
NBS4 400T	3-phase	3.0	4.00	2500	522	15.0
NBS4 550T	3-phase	4.0	5.50	2500	587	18.3
NBS4 750T	3-phase	5.5	7.50	2500	687	22.5
NBS4K 300T	3-phase	2.2	3.00	4500	467	12.5
NBS4K 400T	3-phase	3.0	4.00	4500	522	15.0
NBS4K 550T	3-phase	4.0	5.50	4500	587	18.3
NBS4K 750T	3-phase	5.5	7.50	4500	687	22.5
NBS4K 1000T	3-phase	7.5	10.00	4500	768	28.3