

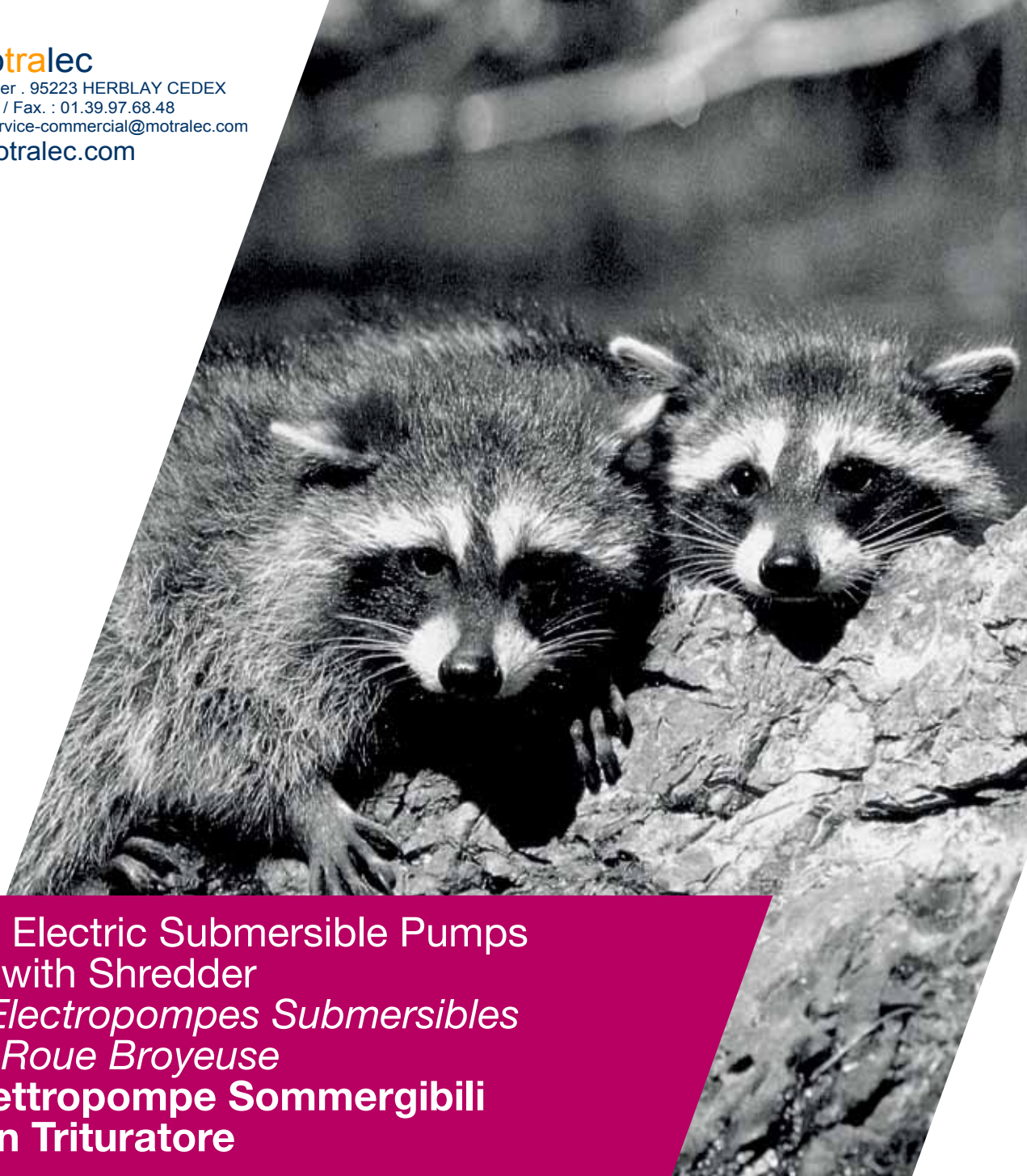
**motralec**

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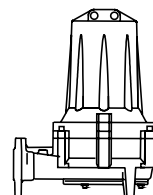
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Electric Submersible Pumps  
with Shredder  
*Electropompes Submersibles  
à Roue Broyeuse*  
**Elettropompe Sommergibili  
con Trituratore**

**caprari**

pumping power



**KT+**

KT+ series electric submersible pumps with shredders are able to raise water containing solid or fibrous matter from housing estates, detached houses, camp-sites, hotels, filling stations, supermarkets, farms, food preserving industries, paper-mills and whenever solids in suspension must be shredded.

Innovative technical solutions sensibly improve performances, efficiency and reliability, guaranteeing a notable reduction in running and maintenance costs.

Although limited motor power ratings are used, the high pressure created allows the waste water to be conveyed over long distances and to overcome notable differences in level.

*Les électropompes submersibles à roue broyeuse de la série KT+ représentent la réponse requise à toutes les demandes de relevage des eaux usées contenant des corps solides ou fibreux provenant des agglomérations urbaines, maisons particulières, camping, hôtels, stations service, supermarchés, exploitation agricoles, industries du secteur de la conserverie, du papier et pour toute autre application exigeant le broyage des solides en suspension.*

*Les solutions innovantes adoptées garantissent une amélioration sensible des performances, des rendements et de la fiabilité, en apportant une réduction considérable des coûts de fonctionnement et d'entretien.*

*Bien que n'utilisant que des puissances moteur limitées, la très haute pression produite permet d'acheminer les eaux usées à de longues distances et de franchir des dénivelés considérables.*

**Le elettropompe sommergibili con trituratore della serie KT+ permettono di affrontare tutti i problemi di sollevamento di acque di scarico contenenti corpi solidi o fibrosi provenienti da agglomerati urbani, singole abitazioni, campeggi, alberghi, stazioni di servizio, supermercati, aziende agricole, industrie conserviere, cartiere e per qualsiasi altra applicazione in cui sia necessaria la frantumazione di solidi in sospensione.**

**Innovative soluzioni tecniche adottate assicurano un sensibile miglioramento delle prestazioni, dei rendimenti e dell'affidabilità, garantendo riduzione dei costi d'esercizio e manutenzione.**

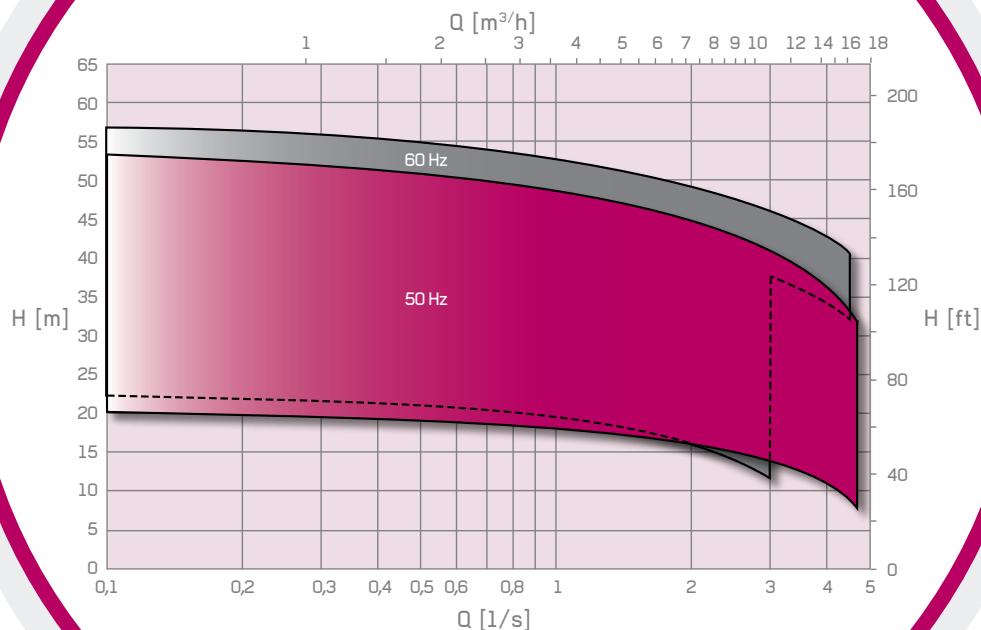
**Pur utilizzando potenze motore ridotte, si raggiungono pressioni elevate che permettono il convogliamento delle acque da smaltire a lunghe distanze ed il superamento di notevoli dislivelli.**



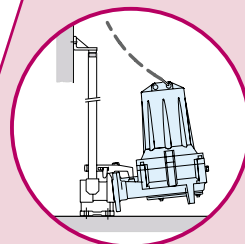
- Motor.** Asynchronous, three-phase, with squirrel-cage rotor, double mechanical seal with oil chamber in between.  
**Moteur.** Asynchrone, rotor à cage d'écureuil, doté d'une double garniture mécanique d'étanchéité séparée par une chambre à huile.  
**Motore.** Asincrono, trifase, con rotore a gabbia di scoiattolo, è dotato di doppia tenuta meccanica con interposta camera olio.
- The flameproof version can be supplied on request ATEX II 2G Exd IIB T4..**  
*La version antideflagrante est disponible sur demande ATEX II 2G Exd IIB T4..*  
**Su richiesta è disponibile la versione antideflagrante ATEX II 2G Exd IIB T4.**
- Long-life bearings.** Bearing stress has been limited in these pumps.  
**Paliers à longévité accrue.** La conception hydraulique a permis de limiter les sollicitations sur les paliers.  
**Elevata durata dei cuscinetti.** Nuovi accorgimenti sono stati adottati per limitare le sollecitazioni sui cuscinetti.
- Self-cleaning and non-clogging hydraulic part.** The hydraulic profiles have been accurately designed to notably reduce the risk of rotating parts becoming clogged and/or blocked by solids that are particularly hard to shred.  
**Partie hydraulique autonettoyante et antiblocante.** Les profils hydrauliques ont été étudiés pour réduire considérablement la possibilité de colmatage ou de blocage des pièces tournantes par les solides particulièrement difficiles à broyer.  
**Idraulica autopulente e antibloccaggio.** I profili idraulici sono stati accuratamente studiati per azzerare la possibilità di intasamento e/o bloccaggio delle parti rotanti in presenza dei solidi da tritare.
- Long-lasting shredder.** Made of very hard stainless steel, the shape of the shredder ensures long-life and fade-free shredding capacity. No particular tools are required to replace this part.  
**Roue broyeuse longue durée.** En acier inoxydable haute dureté; sa forme assure la longévité et le maintien des capacités de broyage.  
*Le remplacement éventuel n'exige aucun outillage spécial.*  
**Lunga durata del trituratore.** In acciaio inossidabile di elevata durezza; la sua conformazione assicura il mantenimento delle capacità di triturazione nel tempo. L'eventuale sostituzione non richiede attrezzature particolari.
- High efficiency.** Optimum efficiency values for the entire range, consequently limiting the power required.  
**Hauts rendements.** Excellents rendements sur toute la gamme, permettant d'optimiser les puissances employées.  
**Rendimenti elevati.** Ottimi rendimenti su tutta la gamma, con conseguente riduzione delle potenze impiegate.
- Recovery of hydraulic specifications.** These can be easily recovered whilst the pumps are operating since play caused by wear between the impeller and frontal disk can be reduced.  
**Recouvrement des caractéristiques hydrauliques.** Les caractéristiques hydrauliques peuvent facilement être récupérées grâce au rattrapage du jeu provoqué par l'usure entre la roue et la flasque d'aspiration.  
**Ripristino caratteristiche idrauliche.** È possibile ridurre il gioco causato dall'usura tra girante e disco frontale.

# caprari

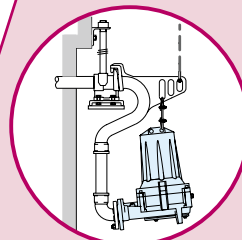
pumping power



## TYPES OF INSTALLATION INSTALLATION TIPOLOGIE DI INSTALLAZIONE

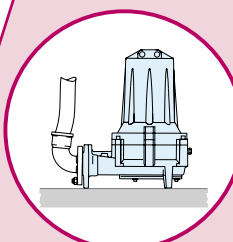


Submersed automatic coupling  
*Accouplement automatique immergé*  
**Aggancio automatico sommerso**



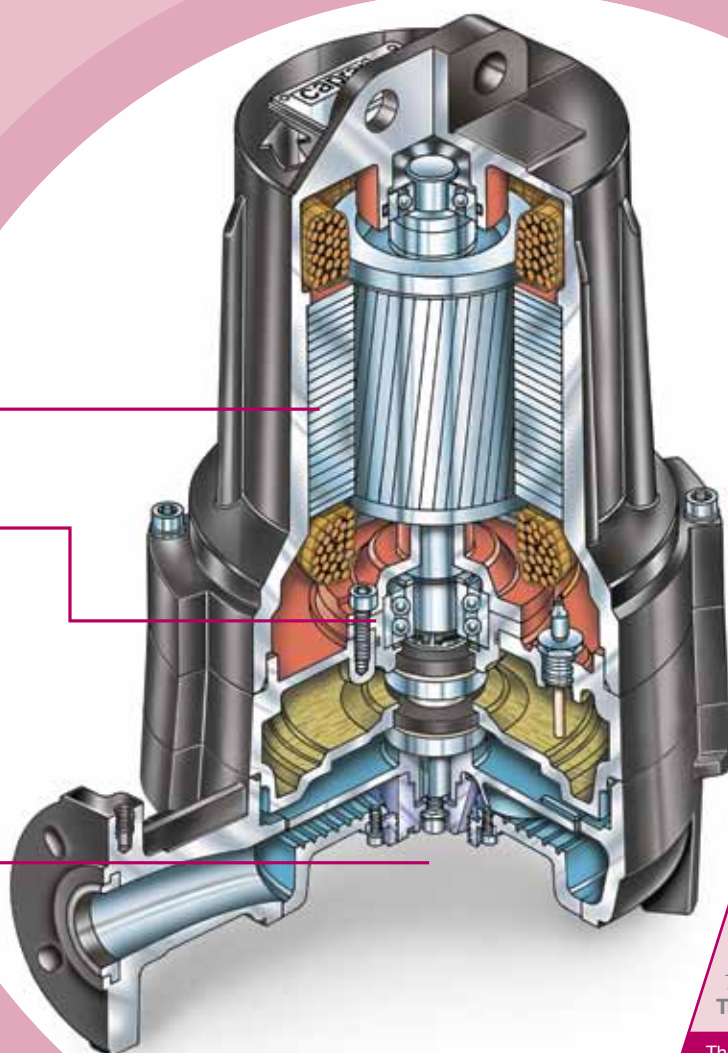
Suspended automatic coupling  
*Accouplement automatique suspendu*  
**Aggancio automatico sospeso**

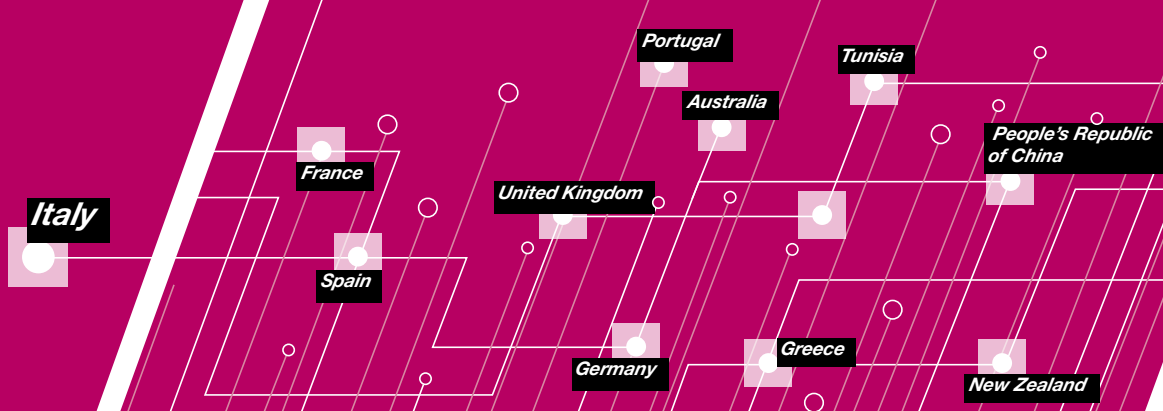
In both cases, the pump remains in a tilted position to facilitate the flow of solids and make tank cleaning easier.  
*Dans les deux cas la pompe reste dans une position inclinée pour faciliter l'entrée des solides et le nettoyage de la cuve.*  
**In entrambi i casi la pompa rimane in posizione inclinata per facilitare l'ingresso dei solidi e la pulizia della vasca.**



Portable version  
*Transportable*  
**Trasportabile**

The pump has its own support feet.  
*La pompe est équipée de pieds d'appui.*  
**La pompa è dotata di propri piedi di appoggio.**





**Water Collection  
and Distribution**



**Boosting and Distribution  
of surface water**



**Wastewater  
Transport and Treatment**



**Pump Control  
Technology**

**caprari**  
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