

- TBM 1,5/6N

TBM 2,2/6N

TBM 2,2/4

TBMex 2,2/4

TBM 3/4

TBMex 3/4

TBM 4/4

TBMex 4/4

TBM 5,5/4N

TBMex 5,5/4

TBM 7,5/4N

TBMex 7,5/4

TBM 9/4N

TBMex 9/4
- TBM 11/4

TBMex 11/4

TBM 15/4N

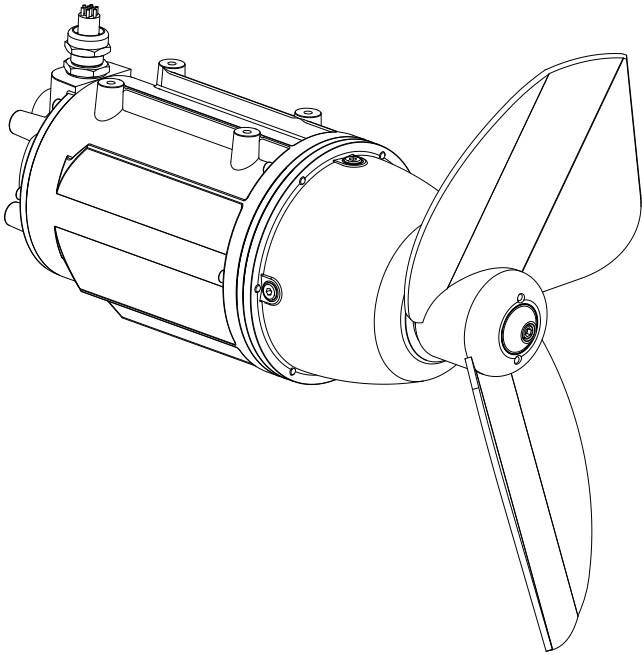
TBMex 15/4

TBM 18,5/4N

TBMex 18,5/4

TBM 22/4

TBM 25/4



Caratteristiche motori trifase - 50 Hz - Alimentazione 400 V ±10%												
50 Hz - Three-phase - Motor features - Voltage rating 400 V ±10%												
Caracteristiques des moteurs triphases - 50 Hz - Alimentation 400 V ±10%												
Tipo Type Type		Potenza motore Motor rating Puissance moteur	Avvolgimenti Windings Bobinages	Assorbimento Absorption Intensité	Cavo alimentazione Feeding cable Cable d'alimentation			Avviamento Start Démarrage				
Standard	Atex Ⓜ II 2 G Ex db IIB T5...T4 Gb Ex h IIB T5...T4 Gb				Quantità Quantity Quantité	Conduttori cavo x sezione Wires x size Conducteurs câble à section	Lunghezza Length Longueur	Diretto Direct Direct	 ↵ ↻			
		[kW]	[V]	[A (400V)]	n°	n° x [mm²]	[m]					
TBM 1,5/6N		1,5	230-400	4,2	1	9 x 1,5	10	↵				
TBM 2,2/6N		2,2		5,7				↵				
TBM 2,2/4	TBMex 2,2/4			4,9				↵				
TBM 3/4	TBMex 3/4			3				6,4	↵			
TBM 4/4	TBMex 4/4	4	400-690	9,1		9 x 2,5		10	↻	↵ ↻		
TBM 5,5/4N	TBMex 5,5/4	5,5		11,4					↻	↵ ↻		
TBM 7,5/4N	TBMex 7,5/4	7,5		15,3					↻	↵ ↻		
TBM 9/4N	TBMex 9/4	9		19,2					↻	↵ ↻		
TBM 11/4	TBMex 11/4	11		22,4		9 x 4			↻	↵ ↻		
TBM 15/4N	TBMex 15/4	15		30					↻	↵ ↻		
TBM 18,5/4N	TBMex 18,5/4	18,5		36					↻	↵ ↻		
TBM 22/4		22				42			(7x10) + (3x1,5)		↻	↵ ↻
TBM 25/4		25				47					↻	↵ ↻

CARATTERISTICHE STANDARD
Motori elettrici asincroni trifasi con rotore a gabbia di scoiattolo.
N°2 sonde termiche inserite nell'avvolgimento statorico.
Grado di protezione "IP 68".
Isolamento classe "H".
Max profondità immersione 20 m.
Max contenuto sostanze solide in sospensione 12%.
Cavo sommergibile in neoprene H07-RN-F.
Liquido pH 5 ÷ 12.
Max temperatura del liquido pompato 40°C.
Servizio continuo.
Idonei all'utilizzo con convertitore di frequenza (inverter).

STANDARD FEATURES
Asynchronous three phase electric motors with squirrel cage motor.
N°2 thermic probes installed in the stator winding.
Protection "IP 68".
"H" class insulation.
Max submergence depth: 20 m.
Max solid content in the liquid 12%.
Submersible H07-RN-F neoprene cable.
Liquids pH 5 ÷ 12.
Max temperature of pumped liquid: 40°C.
Continuous service.
Suitable for use with inverter.

CARACTERISTIQUES STANDARD
Moteurs électriques asynchrones triphasés, rotor à cage d'écureuil.
N°2 sondes thermiques incorporées dans l'enroulement du stator.
Degré de protection "IP 68".
Isolement classe "H".
Max profondeur d'immersion 20 m.
Max contenu de substances solides en suspension 12%.
Max pH du liquide 5 ÷ 12.
Câble immergé en néoprène H07-RN-F.
Max température du liquide pompé 40°C.
Service continu.
Adaptés pour l'utilisation avec variateur de fréquence (inverseur).

CARATTERISTICHE ATEX
Zone di installazione: Zona 1 e Zona 2

ATEX FEATURES
Installation zones: Zone 1 and Zone 2

CARACTERISTIQUES ATEX
Zones d'installation : Zone 1 et Zone 2

Caratteristiche miscelatore - Mixer characteristics - Caracteristiques melangeur				
Tipo Type Type	Pale Blades Pales	Velocità Speed Vitesse	Portata Capacity Débit	Spinta ass. * Axial force * Poussée axi. *
	n°	RPM	[m³/h]	[N]
TBM 1,5/6N	3	925	643	230
TBM 2,2/6N		915	876	313
TBM 2,2/4	2	323	1333	441
TBMex 2,2/4			1581	580
TBM 3/4		320	2146	853
TBMex 3/4			2391	981
TBM 4/4		326	3254	1520
TBMex 4/4			3628	1826
TBM 5,5/4N		328	3977	2158
TBMex 5,5/4			5335	2697
TBM 7,5/4N		351	6884	3826
TBMex 7,5/4			9165	4775
TBM 9/4N		354	10138	5369
TBMex 9/4				
TBM 11/4				
TBMex 11/4				
TBM 15/4N				
TBMex 15/4				
TBM 18,5/4N				
TBMex 18,5/4				
TBM 22/4	3	275	9165	4775
TBM 25/4			10138	5369

* Valori ricavati in accordo alla ISO 21630
* Values according to ISO 21630
* Les valeurs obtenues sont conformes à l'ISO 21630

Diagramma prestazioni

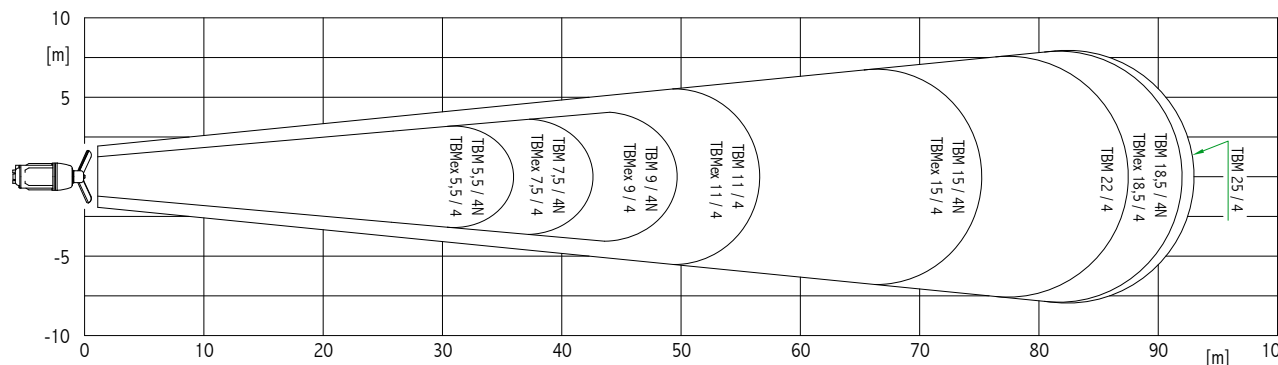
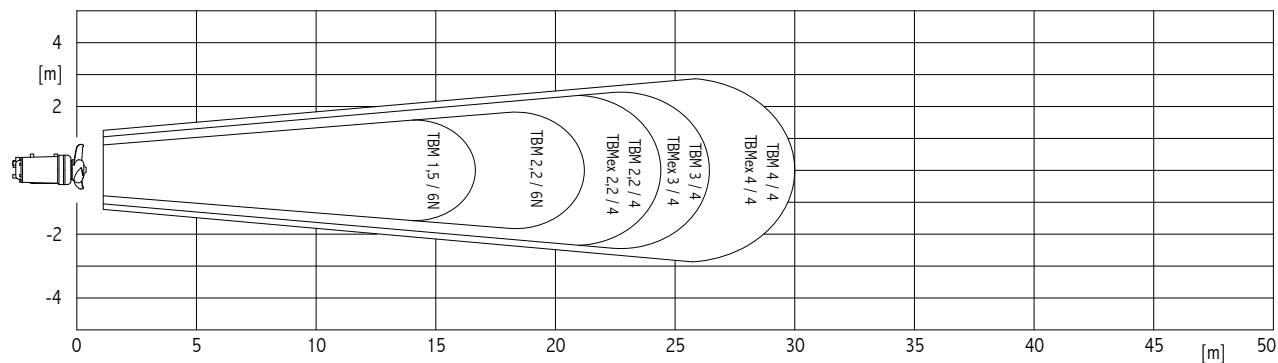
Estensione flusso per v = 0,3 m/s in acqua pulita

Performance diagram

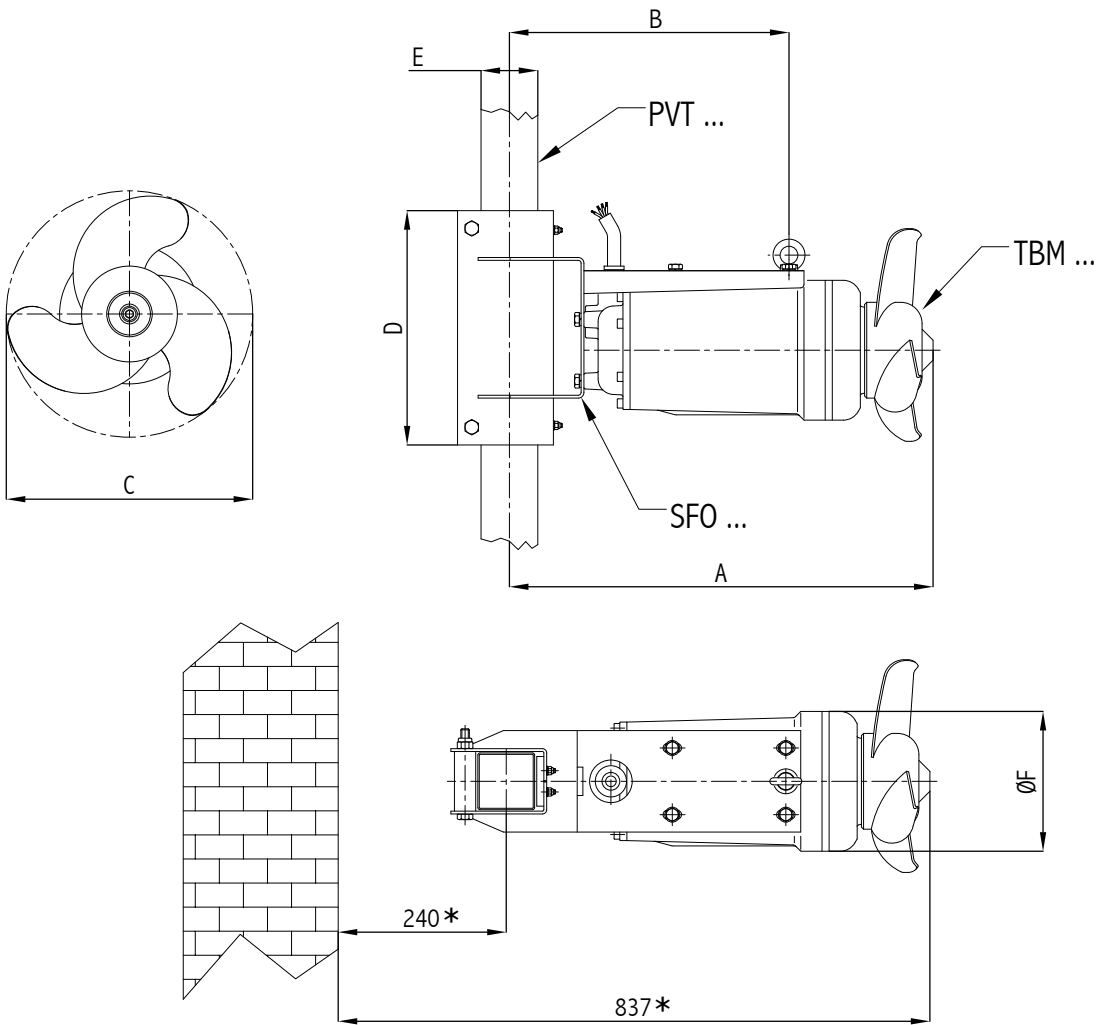
Flow extension for speed v = 0,3 m/s in clean water

Diagramme performance

Extension du flux pour vitesse v = 0,3 m/s en eau propre

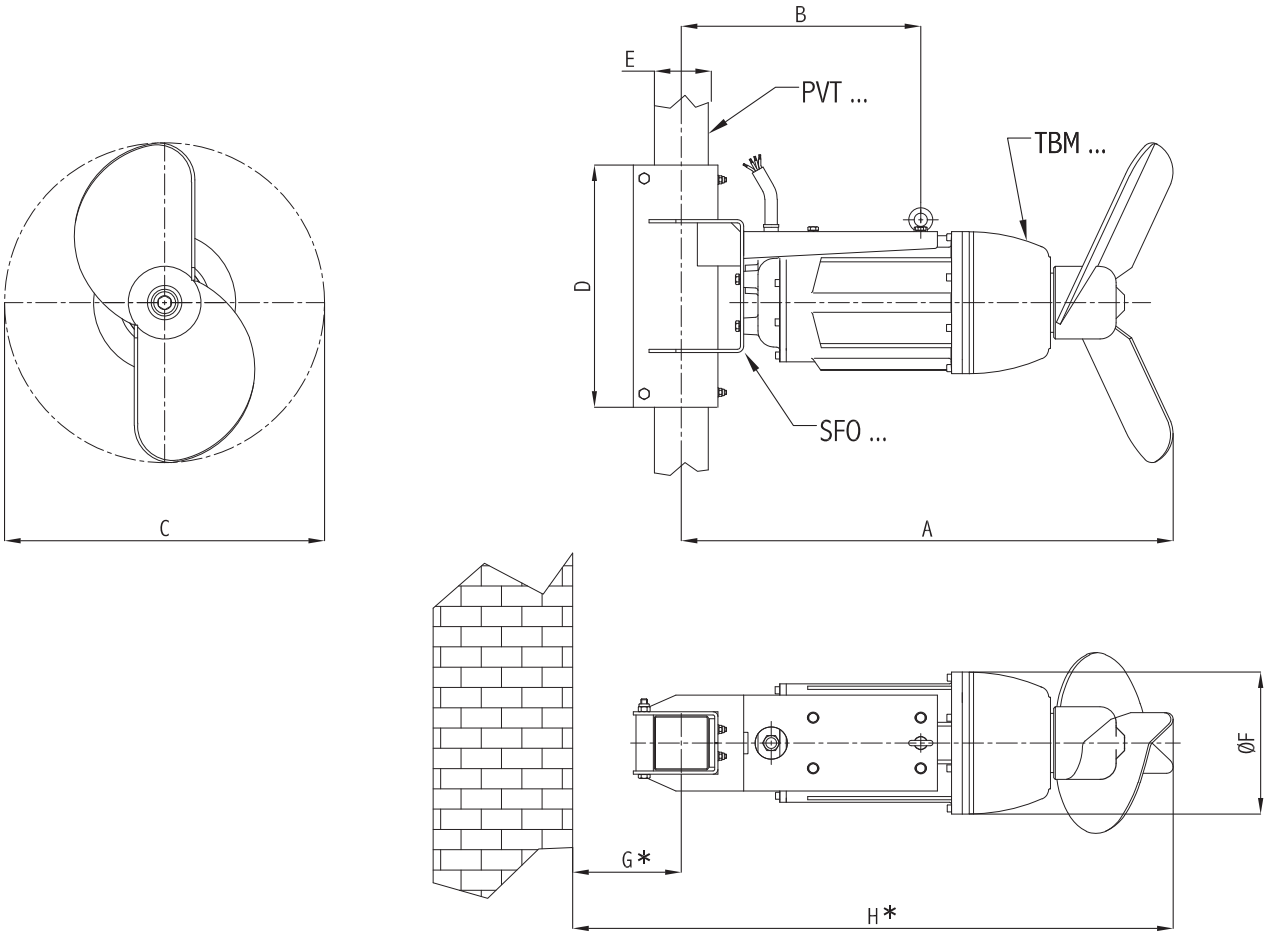


Dimensioni ingombro - Overall dimensions - Dimensions [mm]						
Tipo Type Type	A	B	C	D	E	Peso Weight Poids
						[kg]
TBM 1,5/6N	595	395	297	330	80x80	54
TBM 2,2/6N			347			57
* TBM + PVT/GVT + SFO						

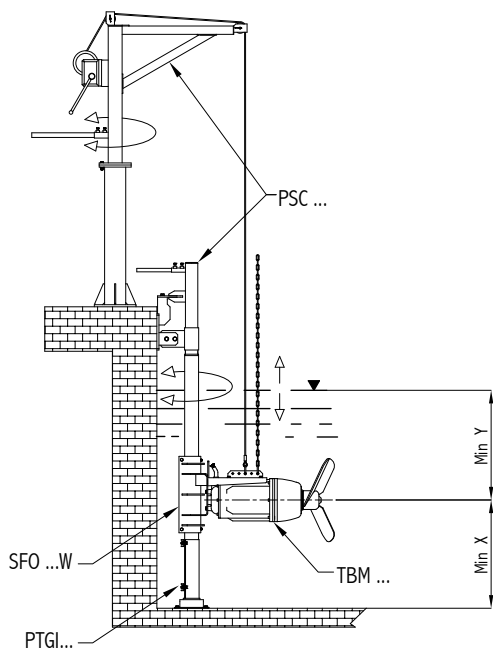


Dimensioni ingombro - Overall dimensions - Dimensions [mm]													
Tipo Type Type	A	B	C	D	E	F	G *	H *	Peso Weight Poids				
									[kg]				
TBM 2,2/4	810	395	445	330	80x80	197	240	1050	75				
TBMex 2,2/4						235			77				
TBM 3/4	816		460			240		197	1056	78			
TBMex 3/4								235		80			
TBM 4/4	828		515					197	1068	81			
TBMex 4/4								235		83			
TBM 5,5/4N	888	445	535	450	264		250	1138	109				
TBMex 5,5/4									112				
TBM 7,5/4N	999		585			450		264	1149	115			
TBMex 7,5/4										118			
TBM 9/4N	917		595			100x100		264	1157	123			
TBMex 9/4										126			
TBM 11/4	1015	600	550	310	1265			183					
TBMex 11/4								187					
TBM 15/4N	1030	720			550			310	1280	193			
TBMex 15/4										197			
TBM 18,5/4N	1037	780				550			310	1287	203		
TBMex 18,5/4											207		
TBM 22/4	1351	725	930	650			150x150			334	280	1631	314
TBM 25/4	1367		970									1647	325

* TBM + PVT/GVT + SFO

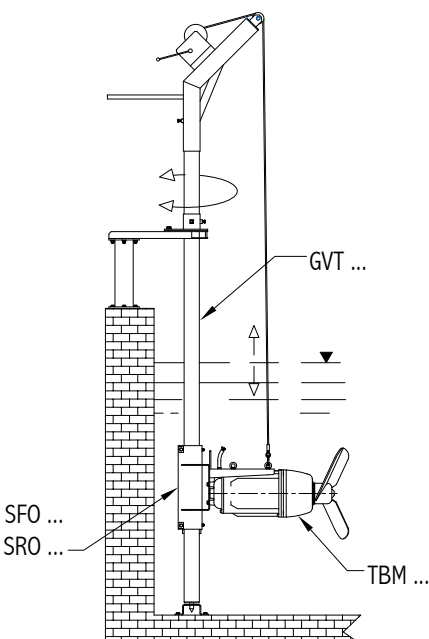
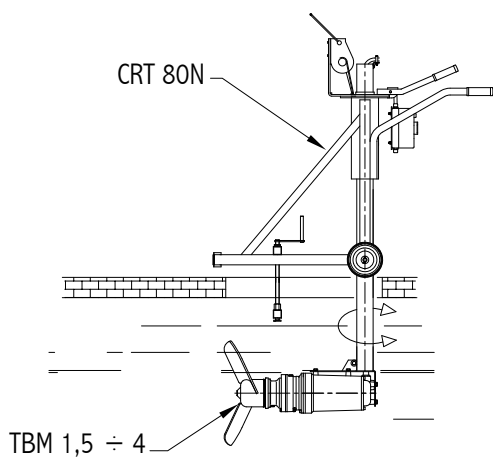
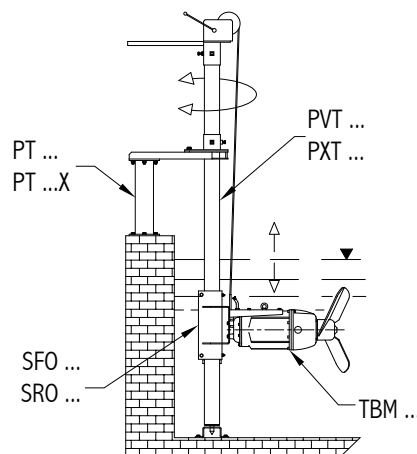
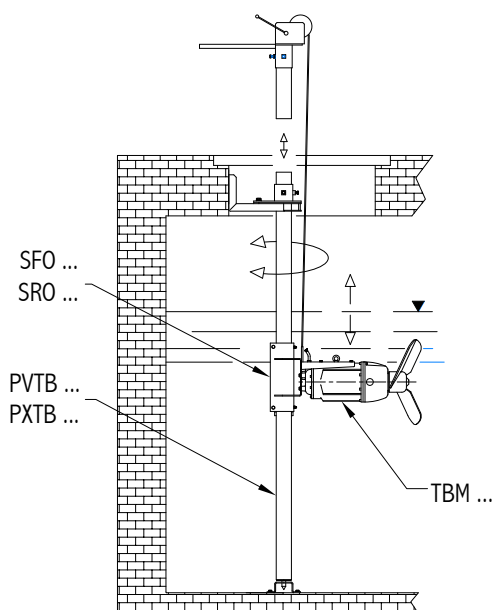


Installazioni possibili - Possible installations - Installations possibles

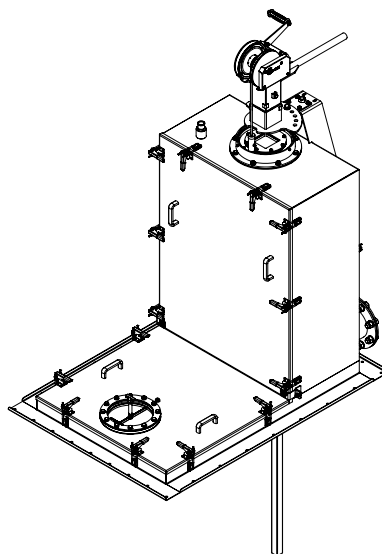


Sommergenza minima raccomandata
Recommended minimum submergence [mm]
Submersion minimum recommandée

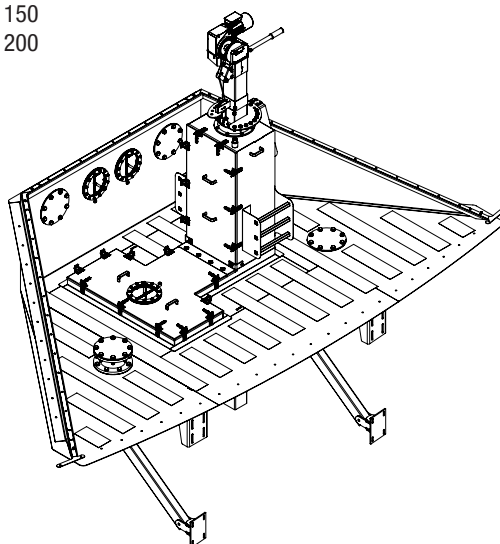
Tipo Type Type		Min X	Min Y
TBM 1,5/6N		500	600
TBM 2,2/6N			
TBM 2,2/4	TBMex 2,2/4		700
TBM 3/4	TBMex 3/4		
TBM 4/4	TBMex 4/4	670	750
TBM 5,5/4N	TBMex 5,5/4		
TBM 7,5/4N	TBMex 7,5/4		
TBM 9/4N	TBMex 9/4		
TBM 11/4	TBMex 11/4	1000	850
TBM 15/4N	TBMex 15/4		
TBM 18,5/4N	TBMex 18,5/4	1050	950
TBM 22/4			
TBM 25/4			



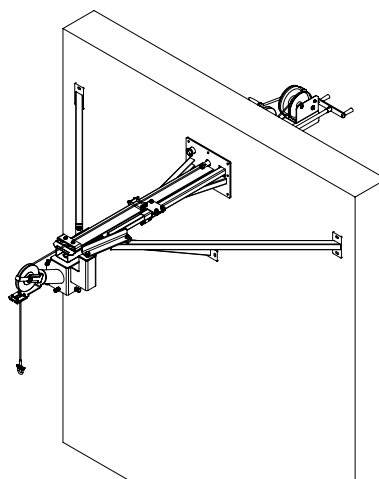
CSX 150 N
CSX 150 NR
CSX 200 NR

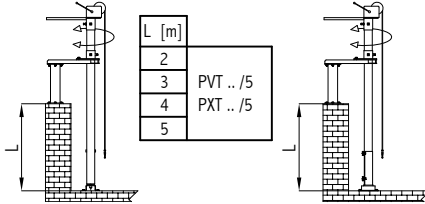
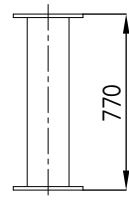
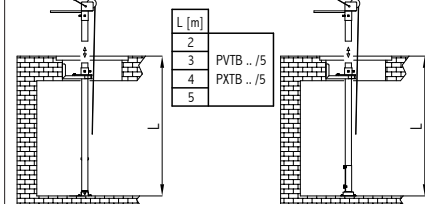
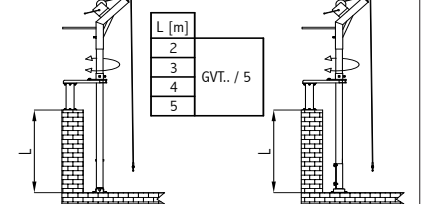
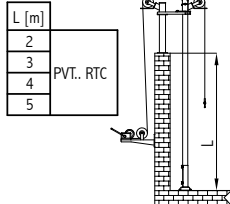
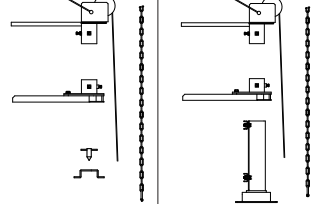


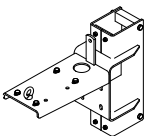
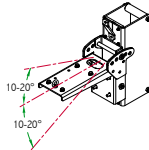
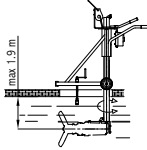
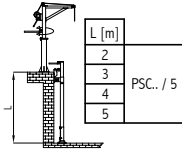
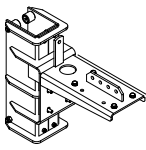
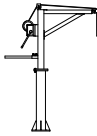
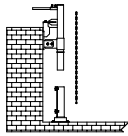
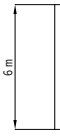
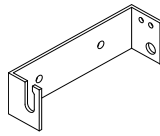
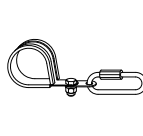
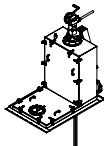
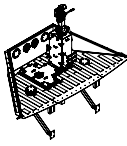
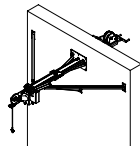
BSTA 150
BSTA 200



SB 150
SB 150 R
SB 180



Accessori - Accessories - Accessoires					
Tipo Type Type	Paranco con verricello e tubo guida Hoist winch and rail pipe Treuil poulie et tuyau guide		Piantone Spacer Colonne	Paranco con verricello e tubo guida Hoist and winch and rail pipe Treuil poulie et tuyau guide	
					
TBM 1,5-2,2/6N	PVT 80/5 PXT 80/5	--	PT 80 PT 80X	PVTB 80/5 PXTB 80/5	--
TBM 2,2-3-4/4					
TBMex 2,2-3-4/4					
TBM 5,5-7,5-9/4N	PVT 100/5 PXT 100/5	--	PT 100 PT 100X	PVTB 100/5 PXTB 100/5	--
TBMex 5,5-7,5-9/4					
TBM 11/4	--	PVT 150/5N PXT 150/5N	PT 150R	--	PVTB 150/5N PXTB 150/5N
TBMex 11/4					
TBM 15-18,5/4N					
TBMex 15-18,5/4					
TBM 22/4	--	PVT 150R/5	PT 150R	--	PVTB 150R/5
TBM 25/4					
PVT.../PVTB... = Attrezzature con arganello zincato - Equipment with galvanized winch - Équipement avec treuil galvanisé PXT.../PXTB.../PT...X = Attrezzature in acciaio inox - Stainless steel equipment - Équipement en acier inoxydable					
Tipo Type Type	Paranco con verricello e tubo guida Hoist winch and rail pipe Treuil poulie et tuyau guide		Paranco con rimando a terra Hoist with ground command return Treuil avec retour de commande au sol	Kit di sollevamento Lifting kit Potence	
					
TBM 1,5-2,2/6N	GVT 80/5	--	--	KIT PVT 80 KIT PXT 80	--
TBM 2,2-3-4/4					
TBMex 2,2-3-4/4					
TBM 5,5-7,5-9/4N	GVT 100/5	--	--	KIT PVT 100 KIT PXT 100	--
TBMex 5,5-7,5-9/4					
TBM 11/4	--	GVT 150/5N	PVT 150/5N RTC	--	KIT PVT 150N KIT PXT 150N KIT PVT 150R
TBMex 11/4					
TBM 15-18,5/4N					
TBMex 15-18,5/4					
TBM 22/4	--	GVT 150R/5	--	--	KIT PVT 150R
TBM 25/4					
GVT.../KIT PVT... = Attrezzature con arganello zincato - Equipment with galvanized winch - Équipement avec treuil galvanisé KIT PXT... = Attrezzature in acciaio inox - Stainless steel equipment - Équipement en acier inoxydable					

	Staffa motore Motor bracket Support du moteur	Staffa motore inclinabile Adjustable motor bracket Support réglable du moteur	Carrello per pozzetti Trolley Chariot	Gru con verricello e tubo guida Cranes winch and rail pipe Grues poulie et tuyau guide	Staffa motore con rullini Motor bracket with rolls Support du moteur avec rouleaux	
Tipo Type Type						
TBM 1,5-2,2/6N	SFO 80	SRO 80	CRT 80N	PSC 80/5	SFO 80W	
TBM 2,2-3-4/4						
TBMex 2,2-3-4/4						
TBM 5,5-7,5-9/4N	SFO 100	SRO 100	--	PSC 100/5	SFO 100W	
TBMex 5,5-7,5-9/4						
TBM 11/4						
TBMex 11/4	SFO 150	SRO 150	--	PSC 100/5	SFO 150W	
TBM 15-18,5/4N						
TBMex 15-18,5/4						
TBM 22/4	SFO 180	--		PSC 150R/5	SFO 180W	
TBM 25/4						
CRT 80N/PSC... = Attrezzature con arganello zincato - Equipment with galvanized winch - Équipement avec treuil galvanisé						
Tipo Type Type	Kit gru con verricello Cranes and winch kit Kit grues et poulie	Kit fissaggio tubo guida Fixing kit for rail pipe Kit de fixation pour tuyau guide	Tubo guida Rail pipe Tuyau carré	Staffa attacco catena e fune Bracket for chain and rope Support pour chaîneet corde	Fermacavo Cable stop Arrêt de câble	
						
TBM 1,5-2,2/6N	KIT PVG 80	KIT PTG 80	KIT PGI 80	SCF	FC 18	
TBM 2,2-3-4/4						
TBMex 2,2-3-4/4						
TBM 5,5-7,5-9/4N	KIT PVG 100	KIT PTG 100	KIT PGI 100	SCF	FC 20	
TBMex 5,5-7,5-9/4						
TBM 11/4						
TBMex 11/4	KIT PVG 100	KIT PTG 100	KIT PGI 100	SCF	FC 26	
TBM 15-18,5/4N						
TBMex 15-18,5/4						
TBM 22/4	KIT PVG 150R	KIT PTG 150R	KIT PGI 150R	SCF	FC 28	
TBM 25/4						
KIT PVG... = Attrezzature con arganello zincato - Equipment with galvanized winch - Équipement avec treuil galvanisé						
Tipo Type Type	Cassonetto di servizio Service Box Boîte de service		Balcone per teloni Balcony for gasholder Balcon pour bache		Staffa Biogas Biogas bracket Support Biogaz	
TBM 1,5-2,2/6N	CSX 150 N CSX 150 NR		BSTA 150		SB 150 SB 150 R	
TBM 2,2-3-4/4						
TBMex 2,2-3-4/4						
TBM 5,5-7,5-9/4N	CSX 150 N CSX 150 NR		BSTA 150		SB 150 SB 150 R	
TBMex 5,5-7,5-9/4						
TBM 11/4						
TBMex 11/4	CSX 150 N CSX 150 NR		BSTA 150		SB 150 SB 150 R	
TBM 15-18,5/4N						
TBMex 15-18,5/4						
TBM 22/4	CSX 200 NR		BSTA 200		SB 180	
TBM 25/4						