DARK FK



Componente *Component*	Materiale *Material*
Motore *Motor*	Rame *Brass*
Corpo pompa *Pump body*	Ghisa *Cast Iron*
Albero motore *Motor shaft*	AISI 420B
Supporto inferiore *Bottom support*	Ghisa *Cast Iron*
Tenuta meccanica *Mechanical seal*	Carb. Sic & Carb. Sic
Girante VORTEX *VORTEX impeller*	Ghisa *Cast Iron*
Motore e tenuta meccanica in bagno d’olio per uso alimentare e farmaceutica *Motor and mechanical seal in oil for food machinery and pharmaceutic use*	

Applicazioni
Drenaggio acque reflue vortex.
Idonea per il sollevamento di acque sporche con particelle solide di diametro max. 50 mm.
Galleggiante anche nella versione trifase certificato a 400V

Applications
Drainage for waste water vortex.
Suitable for dirty water with solid particles of max. diameter of 50 mm.
Float switch available also for three-phase model certificated for 400V

Motore e caratteristiche
Classe isolamento F
Grado di protezione IP68
Alimentazione monofase a 230V-50Hz o trifase a DN mandata 230/400V-50Hz
DN mandata G 2”- DN 50 PN6
DN aspirazione Ø50 mm
Cavo 10 metri in H07RN-F
Galleggiante non compreso nelle versioni in trifase

Motor and features
Insulation class F
Protection degree IP68
Power supply in single-phase 230V-50Hz or three-phase 230/400V-50Hz
DN discharge G 2”- DN 50 PN6
DN suction Ø50 mm
Electrical cable 10 mt in H07RN-F
Float switch not included in three-phase version

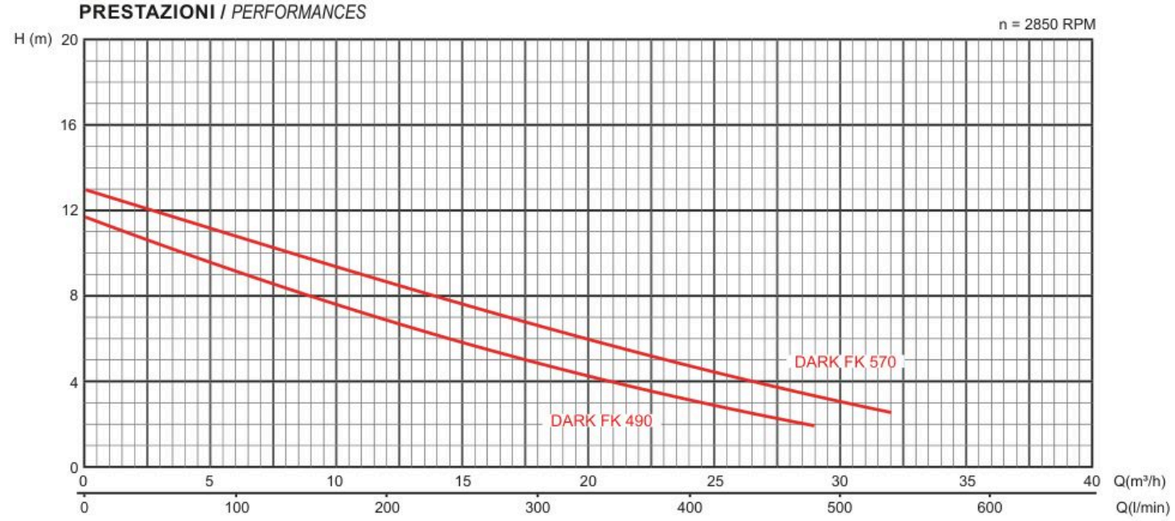
Limiti di utilizzo
Temperatura massima liquido 40°C
Profondità di immersione tra 20 m
Liquido pompato: liquido sporco con dimensione dei solidi massimo a 50 mm
Densità liquido ~1 Kg/dm³
Viscosità ~1 mm²/s
Contenuto di cloruri <200 mg/l
Livello pH liquido 6~12
Max. contenuto solidi abrasivi <1 g/l

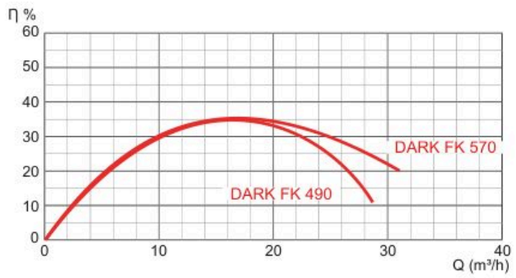
Application limits
Max. water temperature 40°C
Immersion depth from 20 m
Liquid condition: dirty water with maximum solid of 50 mm
Liquid density ~1 Kg/dm²
Viscosity ~1 mm²/s
Chlorides content <200 mg/l
pH level from 6~12
Max. abrasive solid content <1 g/l

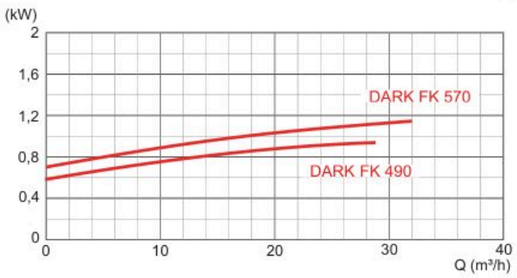
Modello *Model*	Codice *Code*		Potenza nominale *Rated power*		I Max. [A]		Q = Portata - *Capacity*							
							l/min	0	50	100	150	250	350	450	550
			Hp	kW *P2*	Monofase *Single-phase* 230V	Trifase *Three-phase* 400V	m³/h	0	3	6	9	15	21	27	33
							Prevalenza manometrica totale in m C.A. *Total head in meters w.c.*								
DARK FK 490 MA	003022060151490MA		1,2	0,9	6,7	/	H (m)	11,7	9,5	9	7,8	5,8	4	2,5	
DARK FK 490 TA	003022060151490TA		1,2	0,9	/	2,2		11,7	9,5	9	7,8	5,8	4	2,5	
DARK FK 570 MA	003022060151570MA		1,5	1,1	7,7	/		12,9	12	10,7	9,5	7,7	5,8	4	2
DARK FK 570 TA	003022060151570TA		1,5	1,1	/	2,8		12,9	12	10,7	9,5	7,7	5,8	4	2

Per i valori della potenza assorbita P1 vedi grafico nella pagina a destra / *For input power P1 please check the curve on the next page*

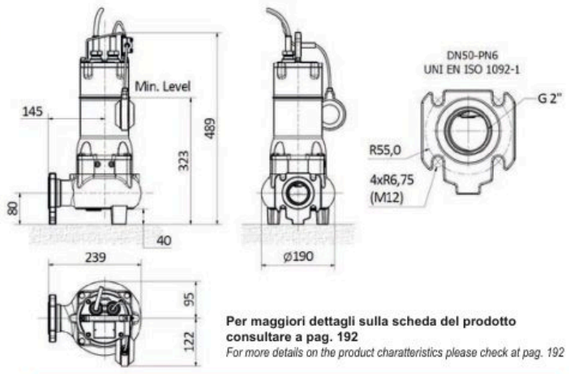
PRESTAZIONI / *PERFORMANCES*







ACCESSORI / *Accessories*		
Codice *Code*	**Modello** *Model*	
KITFL2	*KIT FLANGIA 2” X 50 Flange KIT 2” x 50*	
KITFL212	*KIT FLANGIA 2” 1/2 X 65 Flange KIT 2” 1/2 x 65*	
KITFL3	*KIT FLANGIA 3” X 80 FLange KIT 3” x 80*	
KITFL4	*KIT FLANGIA 4” X 100 Flange KIT 4” x 100*	
00101106009500010	*CAVALLETTO DI SOSTEGNO INOX X SH Pump base support in INOX for DARK SH*	
00102206014600010	*“Dispositivo di accoppiamento 2” P DNM G2” Coupling support 2” P DNM G2”*	
00102206014600020	*“Dispositivo di accoppiamento 2”1/2 P DNM G2”1/2 Coupling support 2” P DNM G2”1/2”*	
00102206014600030	*“Dispositivo di accoppiamento 3” P DNM G3” Coupling support 3” P DNM G3”*	
00102506014600010	*KIT SLITTA / ADATTATORE 2” PER FK Slide kit / adaptor 2” for DARK FK*	
	KIT SLITTA / ADATTATORE 2” PER SH Slide kit / adaptor 2” for DARK SH	
00102206014600040	*“Valvola di ritegno a palla filettata 2” Check spherical valve with thread fitting 2”*	
00102206014600050	*“Valvola di ritegno a palla filettata 2”1/2 Check spherical valve with thread fitting 2”1/2”*	
00102206014600060	*“Valvola di ritegno a palla filettata 3” Check spherical valve with thread fitting 3”*	
00102506014600020	*ADATTATORE PER POMPA DN 80 Adaptor for pump DN 80*	



Per maggiori dettagli sulla scheda del prodotto consultare a pag. 192
For more details on the product charatteristics please check at pag. 192

MODELLO POMPA *PUMPS'S MODEL*	DIMENSIONI IMBALLO *PACKING DIMENSIONS* [mm]			PESO *WEIGHT*
	w	l	h	kg
DARK FK 490 MA	215	250	570	24,5
DARK FK 490 TA	215	250	570	24,5
DARK FK 570 MA	215	250	570	25
DARK FK 570 TA	215	250	570	25

DARK SH



VORTEX

Flangia filettata non inclusa
Threaded flange not included

Componente *Component*	**Materiale** *Material*
Motore *Motor*	Rame *Brass*
Corpo pompa *Pump body*	Ghisa *Cast Iron*
Albero motore *Motor shaft*	AISI 420B
Supporto inferiore *Bottom support*	Ghisa *Cast Iron*
Tenuta meccanica *Mechanical seal*	Ceramic & Graphite
Girante VORTEX *VORTEX impeller*	Ghisa *Cast Iron*
Motore e tenuta meccanica in bagno d'olio per uso alimentare e farmaceutica *Motor and mechanical seal in oil for food machinery and pharmaceutic use*	

Applicazioni
Drenaggio acque reflue vortex.
Idonea per il sollevamento di acque sporche con particelle solide di diametro max. 48 mm. Model SH90T da 65mm.

Applications
Drainage for waste water vortex.
Suitable for dirty water with solid particles of max. diameter of 48 mm.
Model SH90T with 65mm

Motore e caratteristiche
Classe isolamento F
Grado di protezione IP68
Alimentazione monofase a 230V-50Hz o trifase a DN mandata 230/400V-50Hz
DN mandata DN 65 PN6/16
Controflangia filettata G 2" 1/2
DN aspirazione Ø65 mm
Cavo 10 metri
Galleggiante non incluso

Motor and features
Insulation class F
Protection degree IP68
Power supply in three-phase 230/400V-50Hz
DN discharge - DN 65 PN6/16
Threaded counterflange G 2"1/2
DN suction Ø65 mm
Electrical cable 10 mt
Float switch not included

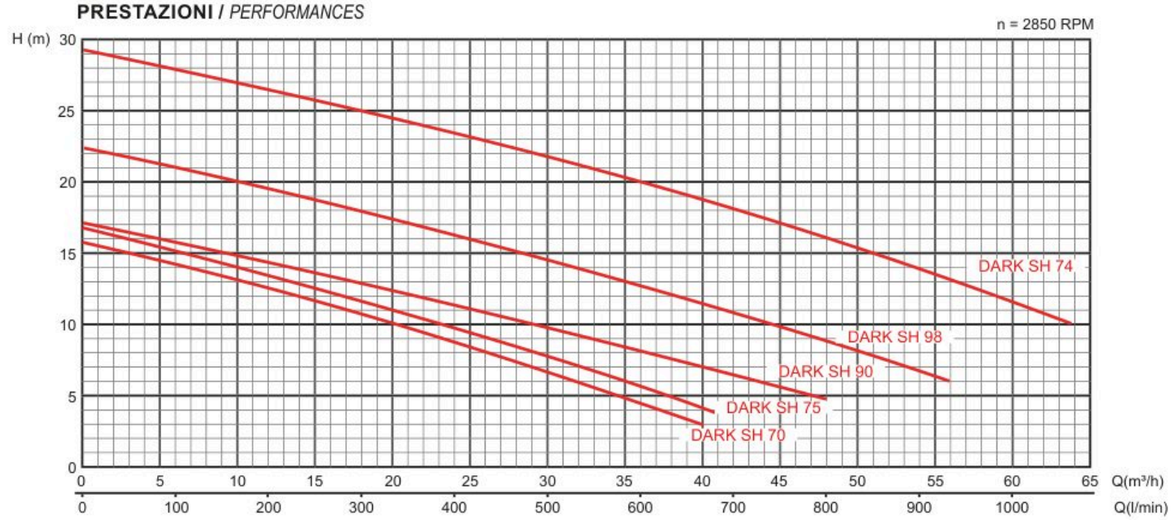
Limiti di utilizzo
Temperatura massima liquido 40°C
Profondità di immersione tra 20 m
Liquido pompato: liquido sporco con dimensione dei solidi massimo a 50 mm
Densità liquido ~1 Kg/dm³
Viscosità ~1 mm²/s
Contenuto di cloruri <200 mg/l
Livello pH liquido 6~13,5
Max. contenuto solidi abrasivi <0,1 g/l

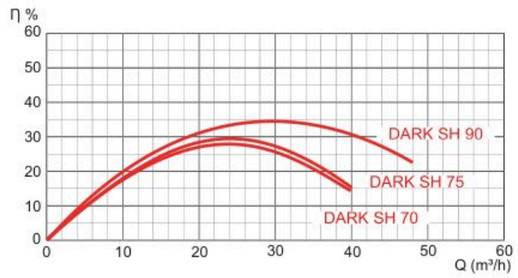
Application limits
Max. water temperature 40°C
Immersion depth from 20 m
Liquid condition: dirty water with maximum solid of 50 mm
Liquid density ~1 Kg/dm²
Viscosity ~1 mm²/s
Chlorides content <200 mg/l
pH level from 6~13,5
Max. abrasive solid content <0,1 g/l

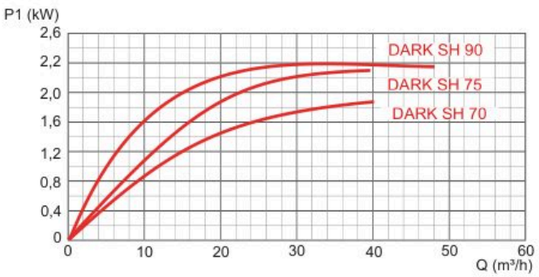
Modello *Model*	**Codice** *Code*		**Potenza nominale** *Rated power*		**I Max. [A]**		**Q = Portata** - *Capacity*									
							l/min	0	100	200	300	400	500	600	666	700	800
			Hp	**kW** *P2*	**Monofase** *Single-phase* **230V**	**Trifase** *Three-phase* **400V**	m³/h	0	6	12	18	24	30	36	40	42	48
							Prevalenza manometrica totale in m C.A. *Total head in meters w.c.*										
DARK SH 24.50.T2P	DARK SH 70 T		2,4	1,8	/	4,8	H (m)	15,8	13,8	12,1	10,2	8,4	6,3	4	2,4		
DARK SH 30.50.T2P	DARK SH 75 T		3	2,2	/	5,5		17,1	15,3	13,5	11,5	9,4	7,2	4,7	3,1		
DARK SH 30.65.T2P	003022060151907		3	2,2	/	5,5		17,4	15,9	14,3	12,8	11	9,4	7,6	6,5	5,3	3,9
DARK SH 50.65.T2P	DARK-SH 98 T		5	3,7	/	8		22,4	21	19	18	16,5	14,5	12,5	11,5	11	9
DARK SH 74.65.T2P	DARK SH74.65 T		7,5	5,5	/	12		29,2	28	26,5	25	23,5	22	20	19	18	16

Per i valori della potenza assorbita P₁ vedi grafico nella pagina a destra / *For input power P1 please check the curve on the next page*

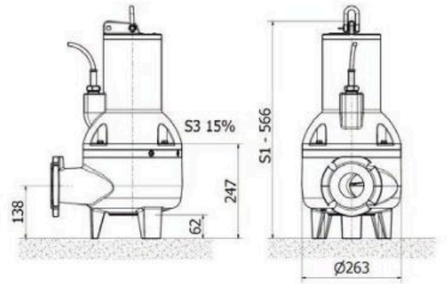
PRESTAZIONI / *PERFORMANCES*







ACCESSORI / *Accessories*		
Codice *Code*	**Modello** *Model*	
KITFL2	*KIT FLANGIA 2" X 50* *Flange KIT 2" x 50*	
KITFL212	*KIT FLANGIA 2" 1/2 X 65* *Flange KIT 2" 1/2 x 65*	
KITFL3	*KIT FLANGIA 3" X 80* *FLange KIT 3" x 80*	
KITFL4	*KIT FLANGIA 4" X 100* *Flange KIT 4" x 100*	
00101106009500010	*CAVALLETTO DI SOSTEGNO INOX X SH* *Pump base support in INOX for DARK SH*	
00102206014600010	*"Dispositivo di accoppiamento 2" P DNM G2"* *Coupling support 2" P DNM G2""*	
00102206014600020	*"Dispositivo di accoppiamento 2"1/2 P DNM G2"1/2* *Coupling support 2" P DNM G2"1/2"*	
00102206014600030	*"Dispositivo di accoppiamento 3" P DNM G3"* *Coupling support 3" P DNM G3""*	
00102506014600010	*KIT SLITTA / ADATTATORE 2" PER FK* *Slide kit / adaptor 2" for DARK FK*	
	KIT SLITTA / ADATTATORE 2" PER SH *Slide kit / adaptor 2" for DARK SH*	
00102206014600040	*"Valvola di ritegno a palla filettata 2"* *Check spherical valve with thread fitting 2""*	
00102206014600050	*"Valvola di ritegno a palla filettata 2"1/2* *Check spherical valve with thread fitting 2"1/2"*	
00102206014600060	*"Valvola di ritegno a palla filettata 3"* *Check spherical valve with thread fitting 3""*	
00102506014600020	*ADATTATORE PER POMPA DN 80* *Adaptor for pump DN 80*	



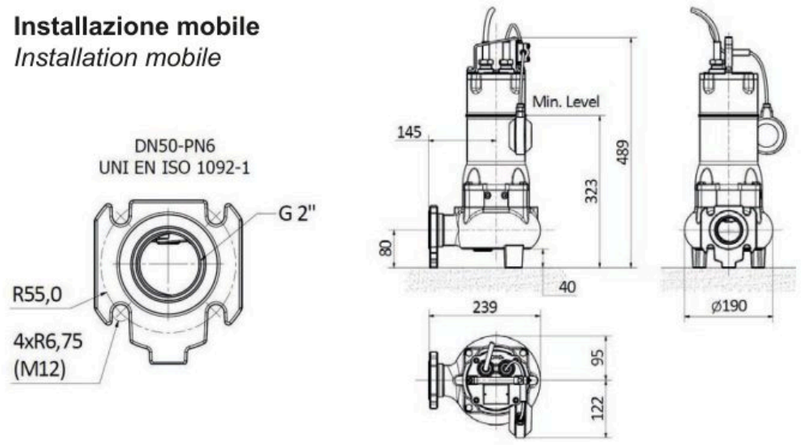
Per maggiori dettagli sulla scheda del prodotto consultare a pag. 192
For more details on the product charatteristics please check at pag. 192

MODELLO POMPA *PUMPS'S MODEL*	**DIMENSIONI IMBALLO** *PACKING DIMENSIONS* **[mm]**			**PESO** *WEIGHT*
	w	**l**	**h**	**kg**
DARK SH 70 T	290	240	600	35,7
DARK SH 75 T	290	240	600	36
DARK SH 90 T	300	370	720	58
DARK-SH 98 T	300	370	720	80
DARK SH74.65 T	300	370	720	85

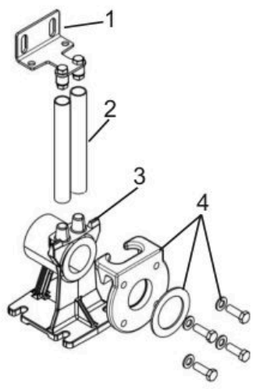
DARK FK



Installazione mobile
Installation mobile

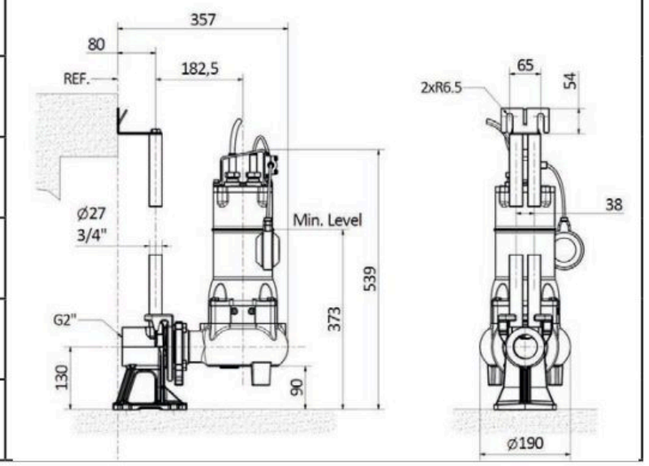


Piede di accoppiamento
Coupling foot



	Accessorio *Accessories*
1	Supporto tubi guida da 3/4" 3/4" guide rails bracket
2	Piede orizzontale 2" Horizontal foot - 2"out
3	Slitta completa Sliding bracket complete
4	Esclusi dalla fornitura Not supplied

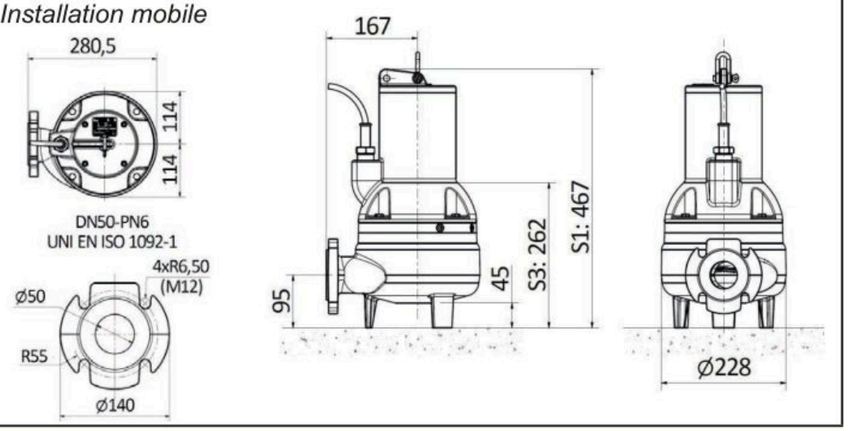
Dimensione e Peso
Dimension and Weight
260 x 175 x 195 - 7,5 KG



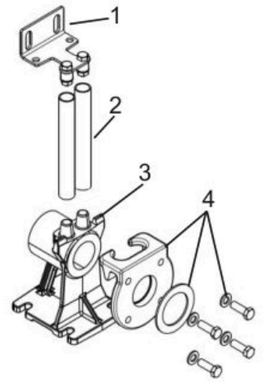
DARK SH



Installazione mobile
Installation mobile

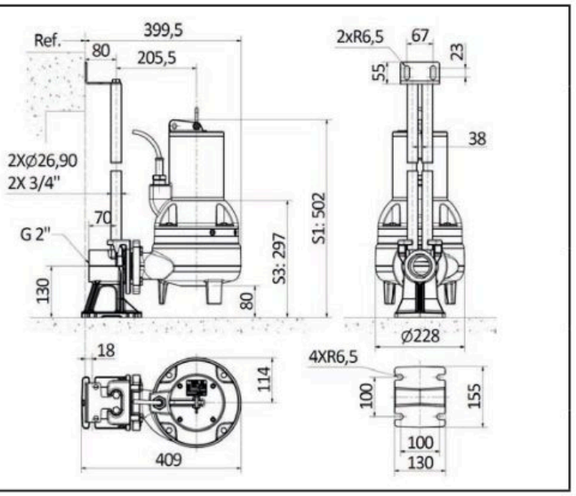


Piede di accoppiamento
Coupling foot



	Accessorio *Accessories*
1	Supporto tubi guida da 3/4" 3/4" guide rails bracket
2	Piede orizzontale 2" Horizontal foot - 2"out
3	Slitta completa Sliding bracket complete
4	Esclusi dalla fornitura Not supplied

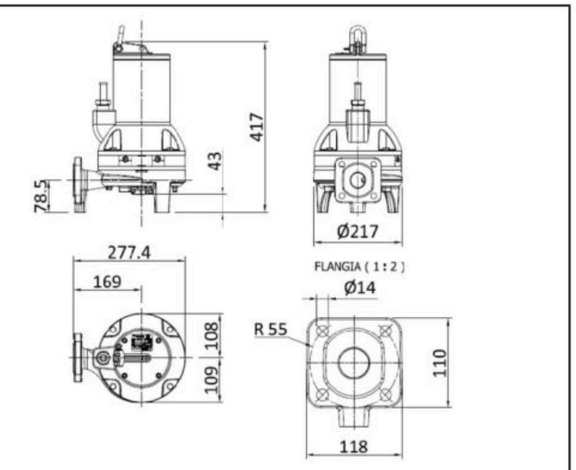
Dimensione e Peso
Dimension and Weight
260 x 175 x 195 - 7,5 KG



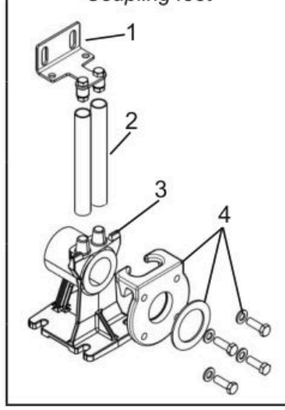
TRITON



Installazione mobile
Installation mobile



Piede di accoppiamento
Coupling foot



	Accessorio *Accessories*
1	Supporto tubi guida da 3/4" 3/4" guide rails bracket
2	Piede orizzontale 2" Horizontal foot - 2"out
3	Slitta completa Sliding bracket complete
4	Esclusi dalla fornitura Not supplied

Dimensione e Peso
Dimension and Weight
260 x 175 x 195 - 7,5 KG

