Menu

CUTTER



ELETTROPOMPE SOMMERGIBILI TRITURATRICI PER ACQUE SPORCHE E CARICHE
SUBMERSIBLE ELECTRIC GRINDER PUMPS FOR FOUL AND HEAVY WASTE WATER

PREVALENZA ..... **: 16,5 mt. ÷ 23,5 mt.**
PORTATA ..... **: 9 m³/h ÷ 21 m³/h**
POTENZA NOMINALE : 1,1 kW (1,5HP) **÷ 2,25 kW** (3HP)

PUMP HEAD ..... ***: 16,5 mt ÷ 23,5 mt***
DELIVERY. ..... ***: 9,0 m³/h ÷ 21,0 m³/h***
RATED HORSEPOWER : 1,1 kW *(1,5HP)* ***÷ 2,25 kW*** *(3,0HP)*

APPLICAZIONI

- POMPAGGIO E TRITURAZIONE DI ACQUE LURIDE CON CORPI SOLIDI E PARTI FIBROSE
- SVUOTAMENTO DI FOSSE DI DECANTAZIONE POZZI NERI POZZI DI RACCOLTA LIQUAMI
- MOVIMENTAZIONE DI ACQUE LURIDE AD USO DOMESTICO E INDUSTRIALE

APPLICATIONS

- *GRINDING AND PUMP OUT OF LAVATORY/FOUL WATER WITH FLOAT ING SOLIDS AND FIBRE SUSPENSOIDS .*
- *DECANTATION PIT, SEWAGE PIT AND SLURRY COLLECTION PIT PUMP OUT*
- *DOMESTIC AND INDUSTRIAL LAVATORY/BLACK WATER HANDLING SYSTEMS.*





CARATTERISTICHE DI COSTRUZIONE

- ELETTROPOMPA A DOPPIA CAMERA (MOTORE, TENUTA MECCANICA).
- MOTORE A BAGNO D'OLIO (BIODEGRADABILE E DIELETTRICO)PER RAFFREDDAMENTO E LUBRIFICAZIONE CUSCINETTI.
- ANELLO DI TENUTA LATO MOTORE.
- DOPPIA TENUTA MECCANICA: LATO MOTORE A BAGNO D'OLIO. (ESCLUSA CUTTER 140)
  LATO POMPA A BAGNO D'ACQUA.
- IMMERSIONE MASSIMA: mt. 5.
- GRADO DI PROTEZIONE IP 68.
- CLASSE DI ISOLAMENTO: F
- TEMPERATURA MAX.LIQUIDO POMPATO: 25°C PARZIALMENTE immersa
  35°C TOTALMENTE immersa
- VERSIONI: Monofase: 220-277V/50Hz o 220-277V/60Hz con protettore termico incorporato e condensatore permanentemente inserito. (CUTTER140)
  Trifase: 220-277V/50Hz o 380-480V/50Hz e 220-277V/60Hz o 380-480V/60Hz con protezione da sovraccarico a cura dell'utente.
- POTENZA MOTORE: DA 1,5 Hp a 2 Hp VERSIONI MONOFASE E TRIFASE.
  DA 3 Hp solo VERSIONI TRIFASE.
- VERSIONI MONOFASI AUTOMATICHE SOLO FINO A 1,5 HP.
- CAVO STANDARD:
  Monofase: 10 metri H07RN-F completa di quadro elettrico con spezzone 0,7metri senza spina.
  Trifase: 10 metri H07RN-F.

SPECIALI VOLTAGGI E FREQUENZE A RICHIESTA.

OPTIONAL:

- SISTEMI DI DISCESA DN50 PER IMPIANTI FISSI (VEDERE PAGINA 100)

DESIGN ENGINEERING

- *DOUBLE CHAMBER ELECTRIC PUMP (MOTOR, MECHANICAL SEAL).*
- *OIL BATH MOTOR (BIODEGRADABLE AND DIELECTRIC) FOR COOLING AND BEARING LUBRICATION.*
- *SEALING RING - ENGINE FACE.*
- *DOUBLE MECHANICAL SEALS: ENGINE FACE: OIL BATH.* (ESCLUDED CUTTER 140)
  PUMP FACE: WATER BATH.
- *PERMISSIBLE DRAUGHT OF WATER: 5 m*
- *IP 68 PROTECTION CLASS.*
- *CLASS "F" INSULATION.*
- *MAX. PUMPED LIQUID TEMPERATURE:*
  25°C with PARTIALLY submerged pump.
  35°C with TOTALLY submerged pump.
- *VERSIONS: Single Phase: 220-277V/50Hz or 220-277V/60Hz with built in thermal protection and permanent capacitor. (CUTTER 140)*
  Three Phase: 22-277V/50Hz or 380-480V/50Hz and 220-277V/60Hz or 380-480V/60Hz with overload protection care of the User.
- *MOTOR POWER: From 1,5 HP to 2 HP single phase and three phase versions. From 3 HP only three phase versions.*
- *AUTOMATIC SINGLE PHASE VERSIONS ONLY UP TO 1.5 HP.*
- *STANDARD CABLE FEATURES:*
  Single Phase: 10 metres H07RN-F complete with power supply box 0,7m cable section, without connection plug.
  Three Phase: 10 metres H07RN-F.

CUSTOMISED VOLTAGE AND FREQUENCY RATING AVAILABLE ON DEMAND.

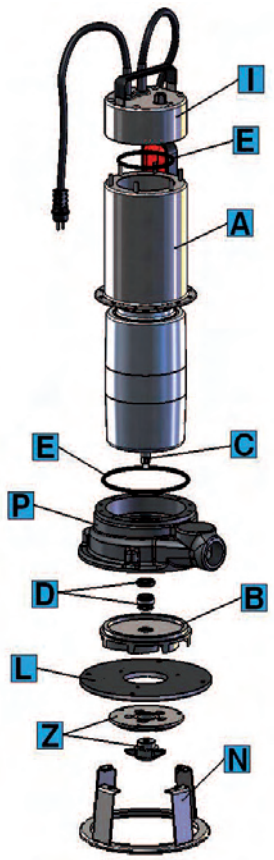
OPTIONAL:

- DOWN STROKE GUIDE RAIL SYSTEMS DN50 FOR FIXED PLANTS (SEE PAGE 100)

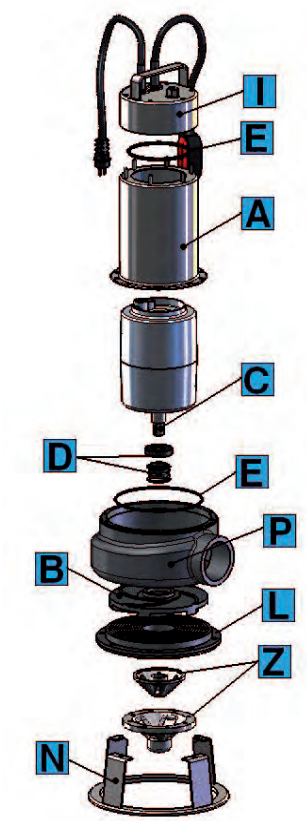
TABELLA MATERIALI / *MATERIALS TABLE:*

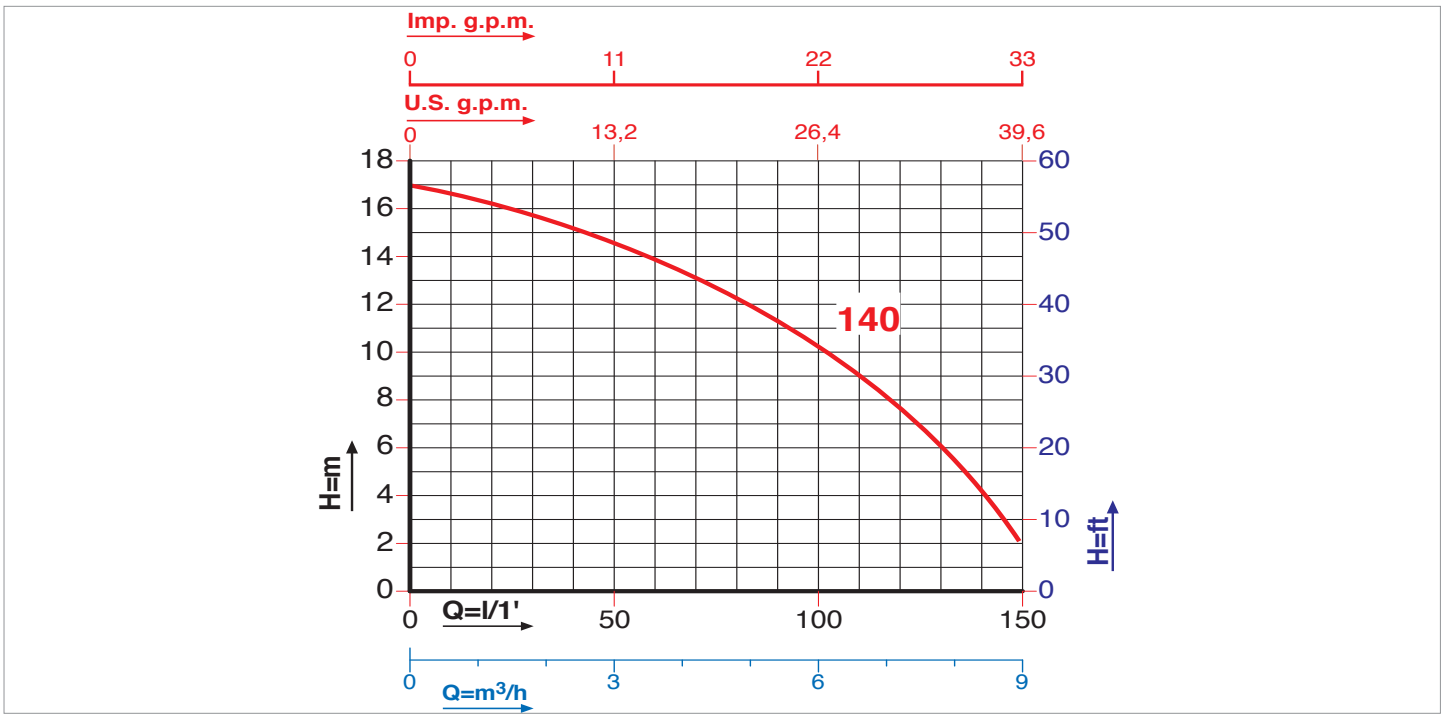
Pos.	Componente / *Component*			Materiale / *Materials*
A	Carcassa esterna / External housing			ACCIAIO INOX AISI 304 - DIN 1.4301 *STAINLESS STEEL*
B	Girante / *Impeller*			GHISA G20 / *CAST IRON*
C	Albero (lato pompa) / *Shaft (pump side)*			ACCIAIO INOX AISI 316 - DIN 1.4401 *STAINLESS STEEL*
D	Tenuta meccanica *Mechanical seal*	Lato pompa / *Pump face*		CARBURO DI SILICIO-CERAMICA *SILICON CARBIDE-CERAMIC*
		Lato motore *Motor face*	CUTTER 140	ANELLO DI TENUTA NBR *NBR SEAL RING*
			CUTTER 150-200-300	GRAFITE - CERAMICA *GRAPHITE - CERAMIC*
E	O-Ring			NBR
I	Coperchio + maniglia / *Cover + handle*			ACCIAIO INOX AISI 304 - DIN 1.4301 *STAINLESS STEEL*
L	Diffusore /*Pump body*			GHISA (G20) *CAST IRON*
P	Corpo pompa / *Pump body*			
N	Base d'appoggio / *Grid holder*			ACCIAIO INOX AISI 304 - DIN 1.4301 *STAINLESS STEEL*
Z	Sistema trituratore / *Grinder system*			ACCIAIO INOX AISI 440C - DIN 1.4125 *STAINLESS STEEL*

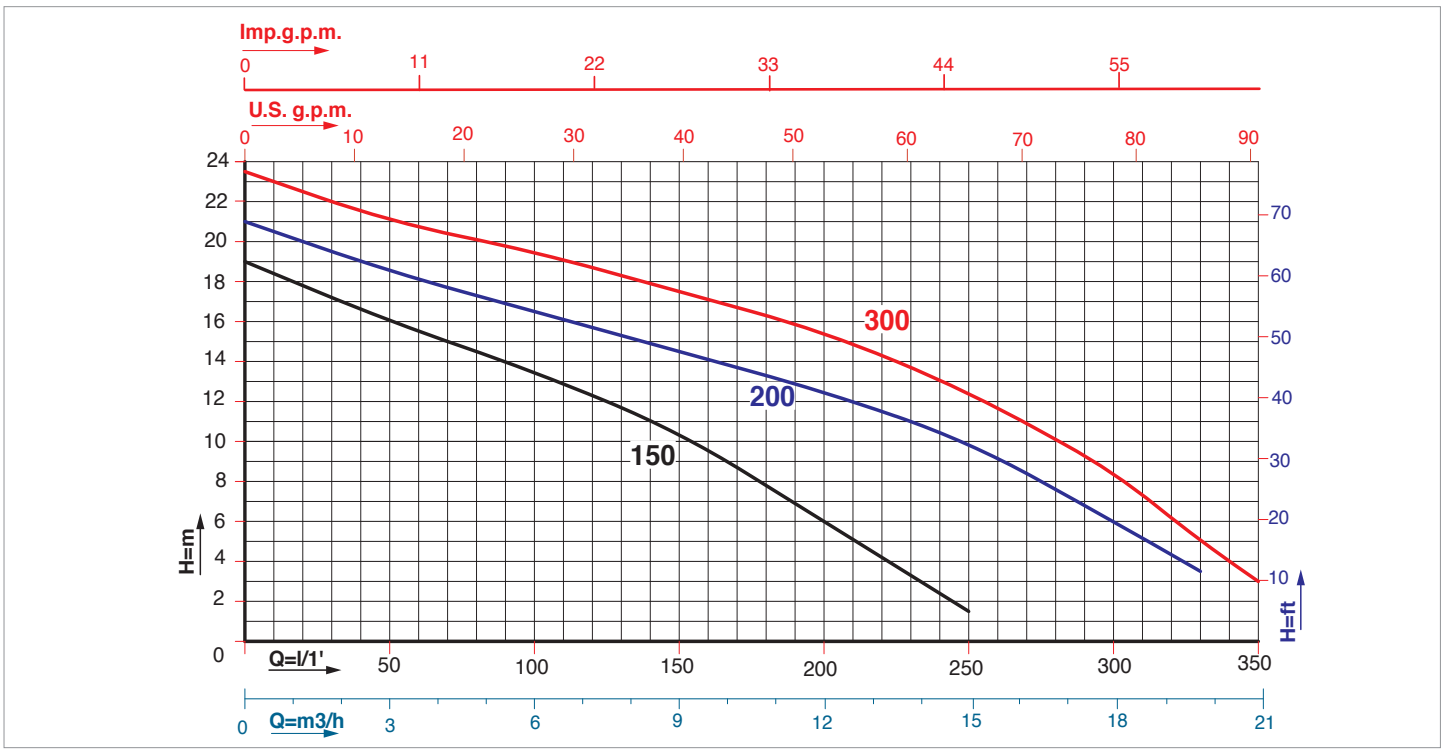
CUTTER 140



CUTTER 150-200-300





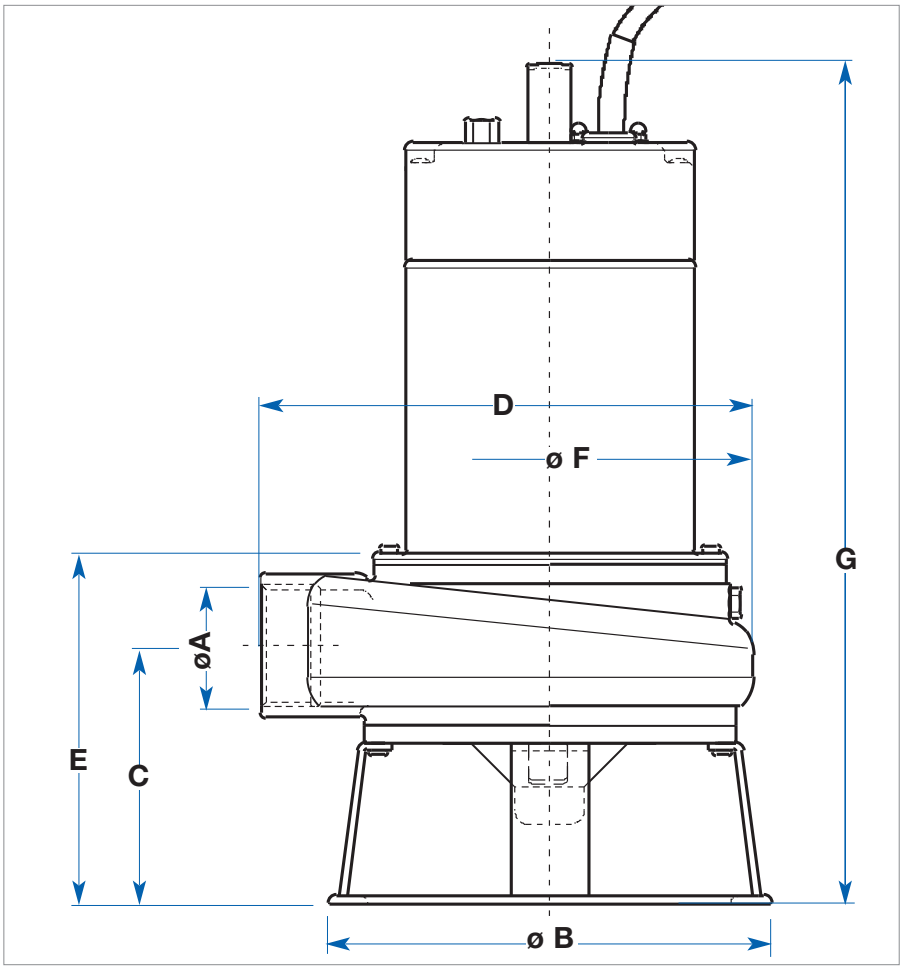


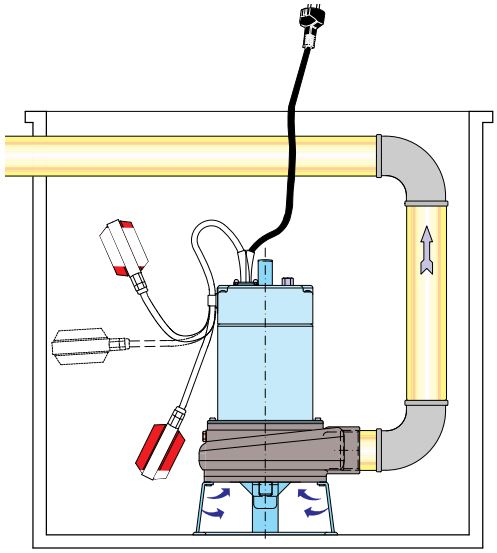
Caratteristiche di funzionamento a 2800 rpm 50Hz e 3450 rpm 60Hz - *Performances at 2800 rpm 50 Hz and 3450 rpm 60 Hz*
Le prestazioni valgono per liquidi con densità p = 1,0 kg/dm^3 ed una viscosità v = 1 mm^2/s / *The performance data holds true for liquids with a p = 1,0 kg/dm^3 density and a v= 1 mm^2/s viscosity.*

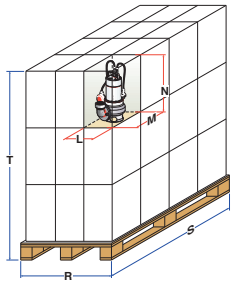
MODELLO ***MODEL***	**VOLTAGGIO** ***VOLTAGE***	**DATI ELETTRICI / *ELECTRICAL DATA***					
		P1 max	**P2** nom.		**I** max	***Condensatore Capacitor***	
	50 Hz	kW	kW	HP	Ampere	µF	VC
CUTTER 140 M	1 x 220-230V	1,6	1,1	1,5	7,1	30	450
CUTTER 140 T	3 x 380-400V	1,3	1,1	1,5	3,0	---	---
CUTTER 150 M	1 x 220-230V	2,2	1,1	1,5	10,5	80	450
CUTTER 150 T	3 x 380-400V	2,0	1,1	1,5	4,0	---	---
CUTTER 200 M	1 x 220-230V	2,9	1,5	2,0	13,0	80	450
CUTTER 200 T	3 x 380-400V	2,5	1,5	2,0	4,5	---	---
CUTTER 300 T	3 x 380-400V	3,4	2,25	3,0	6,0	---	---

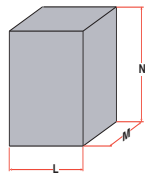
DATI IDRAULICI / *HYDRAULIC DATA*									
m^3/h	0	3	6	9	12	15	18	19,8	21
l/min.	0	50	100	150	200	250	300	330	350
H (m) *PREVALENZA TOTALE in METRI COLONNA ACQUA / TOTAL PUMP HEAD AND WATER COLUMN HEIGHT IN m.*	**17,0**	**14,5**	**10,0**	**2,0**					
	17,0	**14,5**	**10,0**	**2,0**					
	19,0	**16,0**	**13,5**	**10,5**	**6,0**	**1,5**			
	19,0	**16,0**	**13,5**	**10,5**	**6,0**	**1,5**			
	21,0	**18,5**	**16,5**	**14,5**	**12,5**	**10,0**	**6,0**	**3,5**	
	21,0	**18,5**	**16,5**	**14,5**	**12,5**	**10,0**	**6,0**	**3,5**	
	23,5	**21,0**	**19,5**	**17,5**	**15,5**	**12,5**	**8,5**	**5,0**	**3,0**

DIMENSIONI e PESI / *SIZE AND WEIGHT DATA*:









MODELLO / *MODEL*	DIMENSIONI POMPA in mm. / *PUMP DIMENSIONS in mm.*						
	A	B	C	D	E	F	G
CUTTER 140 M	1" 1/2	225	102,5	213,5	126	156	356
CUTTER 140 T	1"1/2	225	102,5	213,5	126	156	356
CUTTER 150 M	2"	225	131,5	260	165	215	425
CUTTER 150 T	2"	225	131,5	260	165	215	425
CUTTER 200 M	2"	225	131,5	260	165	215	425
CUTTER 200 T	2"	225	131,5	260	165	215	425
CUTTER 300 T	2"	225	131,5	260	165	215	425

MODELLO / *MODEL*	DIMENSIONI SCATOLA / *PACKING DIMENSIONS*				DIMENSIONI PALLET / *PALLET DIMENSIONS*				
	L	M	N	Peso / Weight	R	S	T	nr.	Peso / Weight
	mm.	mm.	mm.	Kg.	mm.	mm.	mm.	scatole/*cartons*	Kg.
CUTTER 140 M	260	320	340	21	800	1200	1400	36	771
CUTTER 140 T	260	320	340	21	800	1200	1400	36	771
CUTTER 150 M	260	300	530	25,5	800	1200	1750	36	933
CUTTER 150 T	260	300	530	25,5	800	1200	1750	36	933
CUTTER 200 M	260	300	530	28,5	800	1200	1750	36	1050
CUTTER 200 T	260	300	530	28,5	800	1200	1750	36	1050
CUTTER 300 T	260	300	530	29	800	1200	1750	36	1070