



Fiche produit Motralec Arven RIVER - fiche technique | Motralec

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RIVER



ELETTROPOMPE SOMMERGIBILI MONOCANALI PER ACQUE CARICHE DOTATE DI CONTROFLANGIA SUBMERSIBLE SINGLE CHANNEL ELECTRIC PUMP FOR VERY FOUL WASTE WATER, FEATURING A COUNTER FLANGE

PREVALENZA : 10,5 mt. ÷ 30,5 mt.
PORTATA : 30 m³/h ÷ 96 m³/h
POTENZA NOMINALE : 1,1 kW (1,5HP) ÷ 4,5 kW (6,0HP)
PASSAGGIO SOLIDI FINO A 60 mm.

APPLICAZIONI

- SVUOTAMENTO DI FOSSE DI DECANTAZIONE, POZZI DI RACCOLTA LIQUAMI.
- POMPAGGIO DI ACQUE LURIDE ANCHE CON CORPI SOLIDI E PARTI FIBROSE IN SOSPENSIONE.
- MOVIMENTAZIONE DI ACQUE LURIDE AD USO DOMESTICO E INDUSTRIALE

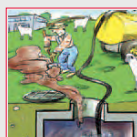
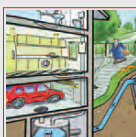
PUMP HEAD : 10,5 mt ÷ 30,5 mt
DELIVERY : 30,0 m³/h ÷ 96,0 m³/h
RATED HORSEPOWER : 1,1 kW (1,5HP) ÷ 4,5 kW (6,0HP)
SOLID MATTER BYPASS up to 60 mm

APPLICATIONS

- DECONTANTATION PIT, SLURRY COLLECTION PIT PUMP OUT.
- LAVATORY/FOUL WATER WITH FLOATING/NON-FLOATING SOLIDS AND FIBRE SUSPENSIDS PUMP OUT.
- DOMESTIC AND INDUSTRIAL LAVATORY/BLACK WATER HANDLING SYSTEMS.

motralec

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CARATTERISTICHE DI COSTRUZIONE:

- ELETTROPOMPA A DOPPIA CAMERA (MOTORE TENUTA MECCANICA).
- ELETTROPOMPA A UNICA CAMERA (SOLO PER RIVER 300F - 600F)
- MOTORE A BAGNO D'OLIO (BIODEGRADABILE E DIELETRICO) PER RAFFREDDAMENTO E LUBRIFICAZIONE CUSCINETTI.
- ANELLO DI TENUTA LATO MOTORE.
- TENUTA MECCANICA A BAGNO D'OLIO.
- DOPPIA TENUTA MECCANICA (SOLO RIVER 300F - 600F):
LATO MOTORE A BAGNO D'OLIO
LATO POMPA IN BAGNO D'ACQUA

- IMMERSIONE MASSIMA: mt. 5.
- GRADO DI PROTEZIONE IP 68.
- CLASSE DI ISOLAMENTO: F
- TEMPERATURA MAX. LIQUIDO POMPATO:
25°C con pompa PARZIALMENTE immersa.
35°C con pompa TOTALMENTE immersa.

- PASSAGGIO LIBERO: 50 mm - RIVER 150F **a** (monocanale aperta)
60 mm - RIVER 200F **a** (monocanale aperta)
50 mm - RIVER 300F **c** (monocanale chiusa)
50 mm - RIVER 400F **c** (monocanale chiusa)
50 mm - RIVER 600F **c** (monocanale chiusa)

- VERSIONI: Monofase: 220-277V/50Hz o 220-277V/60Hz con protettore termico incorporato e condensatore permanentemente inserito.
Trifase: 220-277V/50Hz o 220-277V/60Hz e 380-480V/50Hz con protezione da sovraccarico a cura dell'utente.

- POTENZA MOTORE: DA 1,5 Hp a 2 Hp VERSIONI MONOFASE E TRIFASE.
DA 3 Hp a 6 Hp solo VERSIONI TRIFASE.

- VERSIONI MONOFASI AUTOMATICHE CON GALLEGGIANTE fino a 1,5 HP.
VERSIONI MONOFASI da 2 Hp solo MANUALI SENZA GALLEGGIANTE.

- CAVO STANDARD: Monofase: 10 metri H07RN-F per versione normale (aut.-man).
Trifase: 10 metri H07RN-F

SPECIALI VOLTAGGI E FREQUENZE A RICHIESTA.

OPTIONAL:

- SISTEMI DI DISCESA DN80 PER IMPIANTI FISSI (VEDERE PAGINA 100-101)

DESIGN ENGINEERING:

- DOUBLE CHAMBER ELECTRIC PUMP (MOTOR, MECHANICAL SEAL).
- SINGLE CHAMBER ELECTRIC PUMP (ONLY FOR RIVER 300F - 600F)
- OIL BATH MOTOR (BIODEGRADABLE AND DIELECTRIC) FOR COOLING AND BEARING LUBRICATION.
- SEALING RING - ENGINE FACE.
- OIL BATH MECHANICAL SEALS.
- DOUBLE MECHANICAL SEALS (ONLY FOR RIVER 300F - 600F):
ENGINE FACE: OIL BATH
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.

- BY PASS SECTION: 50 mm - RIVER 150F **a** (open single channel)
60 mm - RIVER 200F **a** (open single channel)
50 mm - RIVER 300F **c** (close single channel)
50 mm - RIVER 400F **c** (close single channel)
50 mm - RIVER 600F **c** (close single channel)

- VERSIONS: Single Phase: 220-277V/50Hz with built in thermal protection and permanent capacitor.

- Three Phase: 220-277V/50Hz or 220-277V/60Hz and 380-480V/50Hz with overload protection care of the User.

- MOTOR POWER: From 1,5HP to 2HP SINGLE PHASE & THREE PHASE VERSIONS
From 3HP to 6HP Only THREE PHASE VERSIONS.

- AUTOMATIC SINGLE PHASE VERSIONS up to 1,5 HP.
SINGLE PHASE VERSIONS from 2 HP only manual, without float.

- STANDARD CABLE FEATURES:
Single Phase: 10 metres H07RN-F for the standard version (automatic-manual).
Three Phase: 10 metres H07RN-F

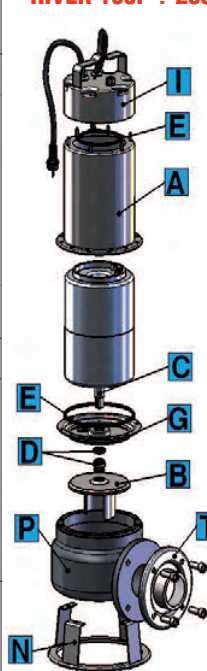
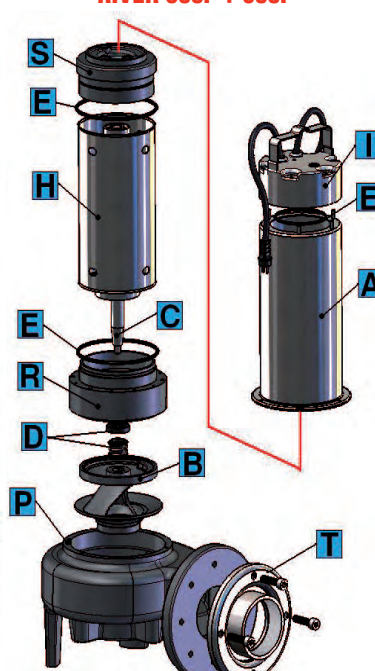
CUSTOMISED VOLTAGE AND FREQUENCY RATING AVAILABLE ON DEMAND

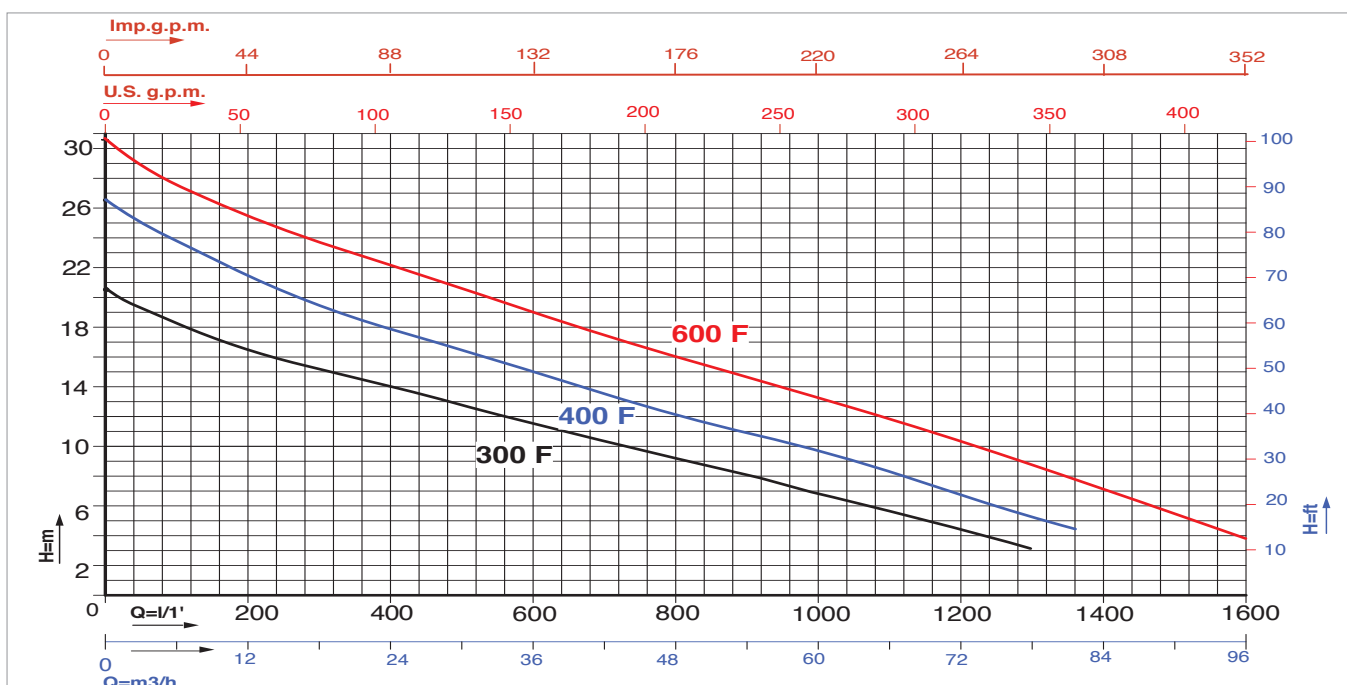
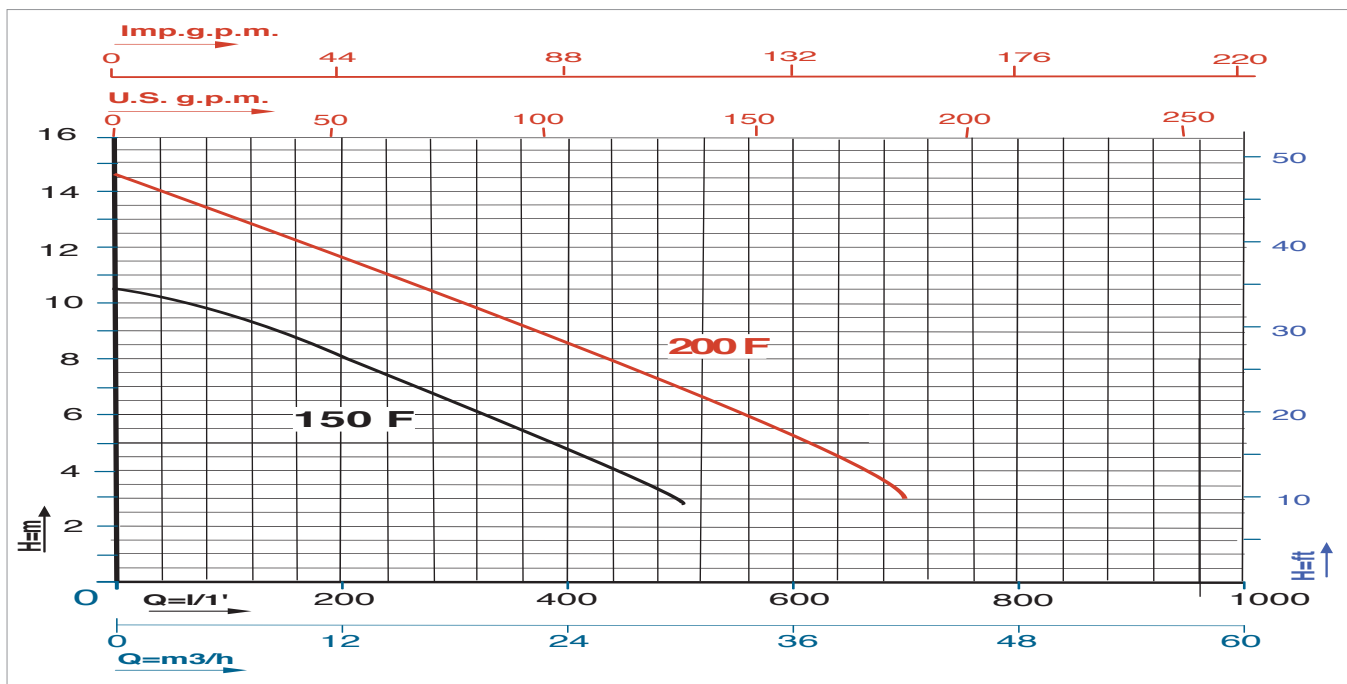
OPTIONAL:

- DOWN STROKE GUIDE RAIL SYSTEMS DN80 FOR FIXED PLANTS
(SEE PAGE 100-101)

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) / Pump body			ACCIAIO INOX AISI 316 DIN 1.4401 STAINLESS STEEL
D	Tenuta meccanica Mechanical seal	Lato pompa / Pump side		CARBURO DI SILICIO-CERAMICA SILICON CARBIDE - CERAMIC
		Lato motore per Motor side for	RIVER 300F-600F	GRAFITE-CERAMICA CARBIDE-CERAMIC
			RIVER 150F-200F	ANELLO DI TENUTA NBR NBR SEAL RING
E	O-ring			NBR
G	Porta motore / Motor holder		RIVER 150F-200F	ACCIAIO INOX AISI 304 DIN 1.4301 STAINLESS STEEL
H	Carcassa motore / Motor housing		RIVER 300F-600F	
I	Coperchio + maniglia / Cover + handle			
N	Base d'appoggio / Grid holder			
P	Corpo pompa / Pump body			GHISA (G20) CAST IRON
R	Flangia portamotore inferiore / Lower motor-flange			
S	Flangia portamotore superiore / Upper motor-flange			
T	Controflangia d'aspirazione / Suction counter-flange			ACCIAIO INOX AISI 304 DIN 1.4301 STAINLESS STEEL

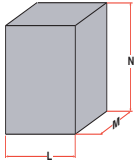
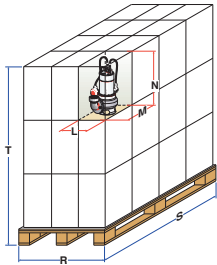
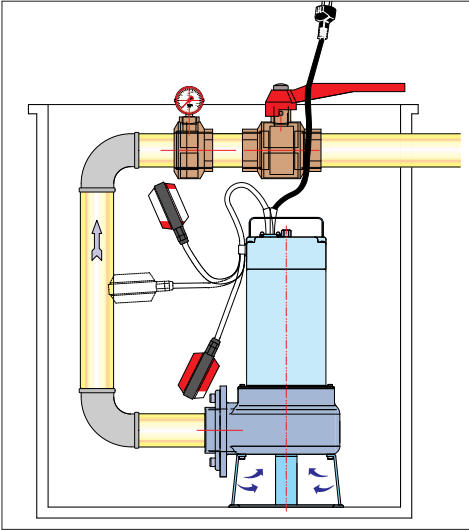
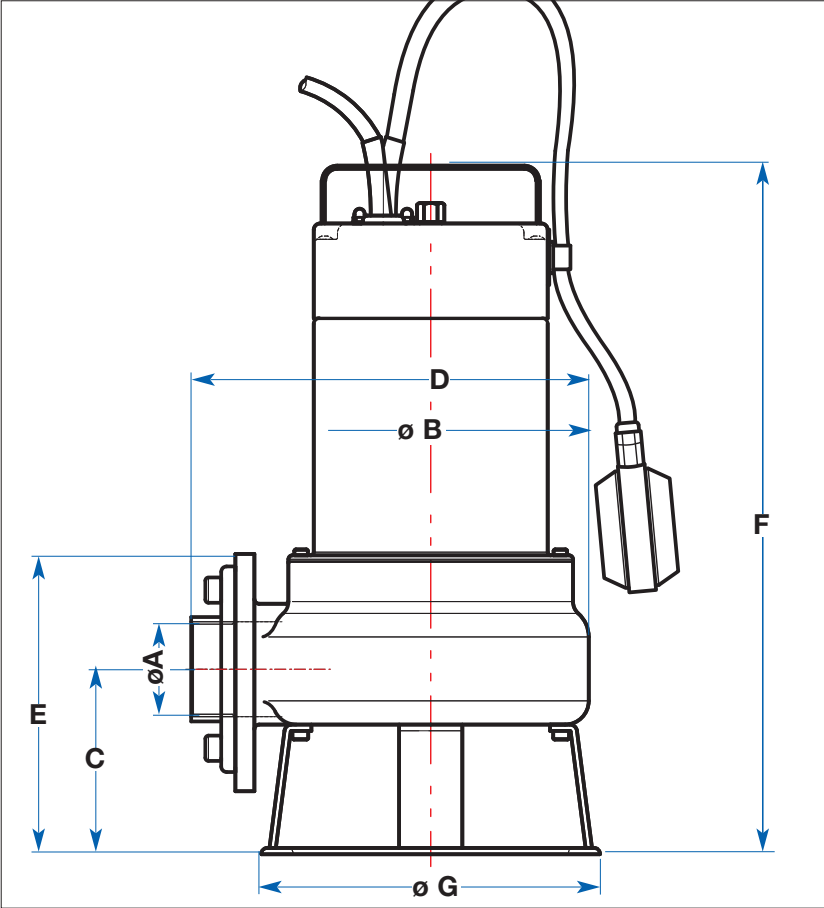
RIVER 150F ÷ 200F**RIVER 300F ÷ 600F**



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 $\rho = 1,0 \text{ kg/dm}^3$ ed una viscosità $\nu = 1 \text{ mm}^2/\text{s}$ / The performance data holds true for liquids with a $\rho = 1,0 \text{ kg/dm}^3$ density and a $\nu = 1 \text{ mm}^2/\text{s}$ viscosity.

MODELLO MODEL	VOLTAGGIO VOLTAGE 50Hz	DATI ELETTRICI / ELECTRICAL DATA						DATI IDRAULICI / HYDRAULIC DATA										
		P1max		P2 nom.		I max	Condensatore Capacitor		m³/h	0	3	15	30	39	57	75	81	96
		kW	kW	HP	Ampere	µF	VC	l/min.	0	50	250	500	650	950	1250	1350	1600	
RIVER 150F a M	1 x 220 - 240V	2,1	1,1	1,5	9,0	40	450	H (m) PRELIEVO TOTALE in METRI COLONNA ACQUA / TOTAL PUMP HEAD AND WATER COLUMN HEIGHT IN m.	10,5	9,7	6,6	2,8						
RIVER 150F a T	3 x 380V - 400V	1,8	1,1	1,5	3,2	---	---		10,5	9,7	6,6	2,8						
RIVER 200F a M	1 x 220 - 240V	2,9	1,5	2,0	13,0	50	450		14,6	13,7	10,2	5,7	3,0					
RIVER 200F a T	3 x 380V - 400V	2,6	1,5	2,0	4,6	---	---		14,6	13,7	10,2	5,7	3,0					
RIVER 300F c T	3 x 380V - 400V	3,4	2,25	3,0	6,9	---	---		20,5	18,6	15,2	12,2	10,5	6,9	3,8			
RIVER 400F c T	3 x 380V - 400V	4,0	3,0	4,0	8,1	---	---		26,5	25,0	20,5	16,5	14,3	10,4	6,0	4,6		
RIVER 600F c T	3 x 380V - 400V	5,5	4,5	6,0	9,5	---	---		30,5	28,7	24,4	20,4	18,0	13,8	9,4	7,8	3,7	

DIMENSIONI / SIZE / WEIGHT DATA



MODELLO MODEL	DIMENSIONI POMPA in mm. / PUMP DIMENSIONS in mm.						
	A	B	C	D	E	F	G
RIVER 150 F a M	2" 1/2	100	121	280,5	196	490	214
RIVER 150 F a T	2" 1/2	100	121	280,5	196	490	214
RIVER 200 F a M	2" 1/2	100	121	280,5	196	490	214
RIVER 200 F a T	2" 1/2	100	121	280,5	196	490	214
RIVER 300 F c T	3"	128	121	390	216	647	---
RIVER 400 F c T	3"	128	121	390	216	647	---
RIVER 600 F c T	3"	128	121	390	216	647	---

*..c Monocanale chiusa / Close single channel

*..a Monocanale aperta / Open single channel

MODELLO MODEL	DIMENSIONI SCATOLA / PACKING DIMENSIONS				DIMENSIONI PALLET / PALLET DIMENSIONS				
	L mm.	M mm.	N mm.	Peso / Weight Kg.	R mm.	S mm.	T mm.	nr. scatole/cartons	Peso / Weight Kg.
RIVER 150F M	260	300	530	23	800	1200	1750	36	850
RIVER 150F T	260	300	530	23	800	1200	1750	36	850
RIVER 200F M	260	300	530	28	800	1200	1750	36	1030
RIVER 200F T	260	300	530	28	800	1200	1750	36	1030
RIVER 300F T	720	400	260	53	800	1200	900	9	500
RIVER 400F T	720	400	260	54	800	1200	900	9	510
RIVER 600F T	720	400	260	55	800	1200	900	9	515

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POMPE SOMMERGIBILE
SUBMERSIBLE INOX P

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Arven RIVER

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