

Fiche produit Motralec Arven TIGER F - fiche technique | Motralec

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TIGER F



motralec

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ELETTROPOMPE SOMMERGIBILI VORTEX PER ACQUE CARICHE, DOTATE DI CONTROFLANGIA SUBMERSIBLE VORTEX ELECTRIC PUMPS FOR WASTE WATER, FEATURING A COUNTER FLANGE

PREVALENZA : 7 mt. ÷ 15,5 mt.
PORTATA : 15,6 m³/h ÷ 75 m³/h
POTENZA NOMINALE : 0,6 Kw (0,8HP) ÷ 3 Kw (4HP)
PASSAGGIO SOLIDI FINO A 80 mm.

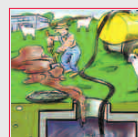
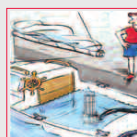
PUMP HEAD : 7 m to 15,5 m
DELIVERY : 15.6 m³/h to 75 m³/h
RATED HORSEPOWER : 0.6 kW (0.8HP) to 3 kW (4HP)
SOLID MATTER BYPASS up to 80 mm

APPLICAZIONI

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

APPLICATIONS

- DECONTANTATION PIT, SEWAGE PIT AND SLURRY COLLECTION PIT PUMP OUT.
- PUMP OUT OF LAVATORY/FOUL WATER WITH POSSIBLE FLOATING SOLIDS CONTENTS.
- DOMESTIC AND INDUSTRIAL LAVATORY/BLACK WATER HANDLING SYSTEMS.



ARVEN

CARATTERISTICHE DI COSTRUZIONE

- ELETTOPOMPA A DOPPIA CAMERA (MOTORE, TENUTA MECCANICA).
- ELETTOPOMPA A UNICA CAMERA (SOLO PER TIGER 400F).
- MOTORE A BAGNO D'OLIO (BIODEGRADABILE E DIELETTRICO) PER RAFFREDDAMENTO E LUBRIFICAZIONE CUSCINETTI.
- ANELLO DI TENUTA LATO MOTORE.
- TENUTA MECCANICA A BAGNO D'OLIO.
- DOPPIA TENUTA MECCANICA: LATO MOTORE A BAGNO D'OLIO (SOLO PER TIGER 400F) 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 con pompa PARZIALMENTE immersa.
50°C con pompa TOTALMENTE immersa
- PASSAGGIO LIBERO: 35 mm. - TIGER 80F
50 mm. - TIGER 100F
60 mm. - TIGER 150F - 200F
80 mm. - TIGER 300F - 400F
- VERSIONI: Monofase: 220 - 277V/50Hz o 220 - 277V / 60 Hz con protettore termico incorporato e condensatore permanentemente inserito.
Trifase: 220 - 277V/50Hz o 380 - 480V / 50Hz e 220-230V o 380-480V 60Hz con protezione da sovraccarico a cura dell'utente.
- POTENZA MOTORE: da 0,6 Kw (0,8 HP) a 1,5 Kw (2 HP) versione mono fase e trifase.
da 2,2 Kw (3 HP) a 3 Kw (4 HP) solo versione trifase
- VERSIONI MONOFASI AUTOMATICHE fino a 1,1 Kw (1,5 HP).
- VERSIONI MONOFASI da 1,5 Kw (2 HP) solo manuali senza galleggiante.
- CAVO STANDARD:
Monofase: 10 metri H07RN-F per versione normale (aut.-man.)
5 metri H07RN-F solo per versione automatica
Trifase: ...: 10 metri H07RN-F
SPECIALI VOLTAGGI E FREQUENZE A RICHIESTA.

OPTIONAL:

- SISTEMI DI DISCESA DN50-DN80 PER IMPIANTI FISSI (VEDERE PAGINA 84)

DESIGN ENGINEERING

- DOUBLE CHAMBER ELECTRIC PUMP (MOTOR, MECHANICAL SEAL).
 - SINGLE CHAMBER ELECTRIC PUMP (ONLY FOR TIGER 400F).
 - OIL BATH MOTOR (BIODEGRADABLE AND DIELECTRIC) FOR COOLING AND BEARING LUBRICATION.
 - SEALING RING - ENGINE FACE
 - OIL BATH MECHANICAL SEALS.
 - DOUBLE MECHANICAL SEALS: ENGINE FACE: OIL BATH (ONLY TIGER 400F) 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.
50°C with TOTALLY submerged pump.
 - BY PASS SECTION: 35 mm. - TIGER 80F
50 mm. - TIGER 100F
60 mm. - TIGER 150F - 200F
80 mm. - TIGER 300F - 400F
 - VERSIONS: Single Phase: 220 - 277 V / 50 Hz or 220 - 277V / 60 Hz with built in thermal protection and permanent capacitor.
Three Phase : 220 - 277V / 50 Hz or 380 - 480V / 50Hz and 220-277V or 380 - 480V / 60Hz with overload protection care of the User.
 - MOTOR POWER:
From 0.6 kW (0.8 HP) to 1.5 kW (2 HP) single phase and three phase versions.
From 2.2 kW (3 HP) to 3 kW (4 HP) only three phase versions
 - AUTOMATIC SINGLE PHASE VERSIONS up to 1.1 kW (1.5 HP).
 - SINGLE PHASE VERSIONS from 1.5 kW (2 HP) only manual, without float.
 - STANDARD CABLE FEATURES:
Single Phase: 10 metres H07RN-F for the standard version (automatic-manual)
5 metres H07RN-F only for the automatic version.
Three Phase: 10 metres H07RN-F
- CUSTOMISED VOLTAGE AND FREQUENCY RATING AVAILABLE ON DEMAND.

OPTIONAL:

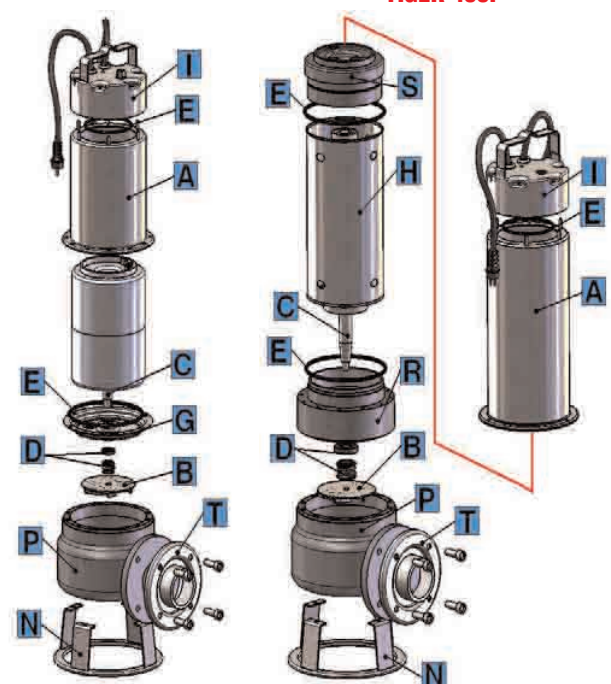
- DOWN STROKE GUIDE RAIL SYSTEMS DN50-DN80 (SEE PAGE 84)

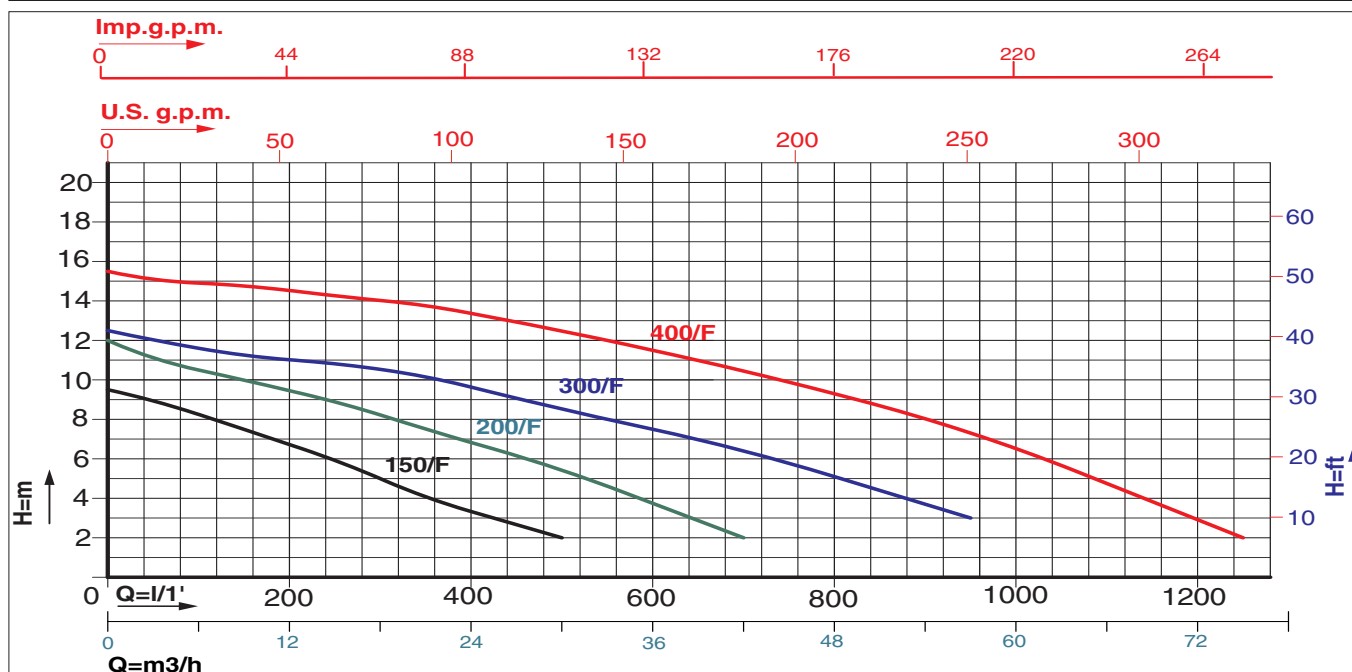
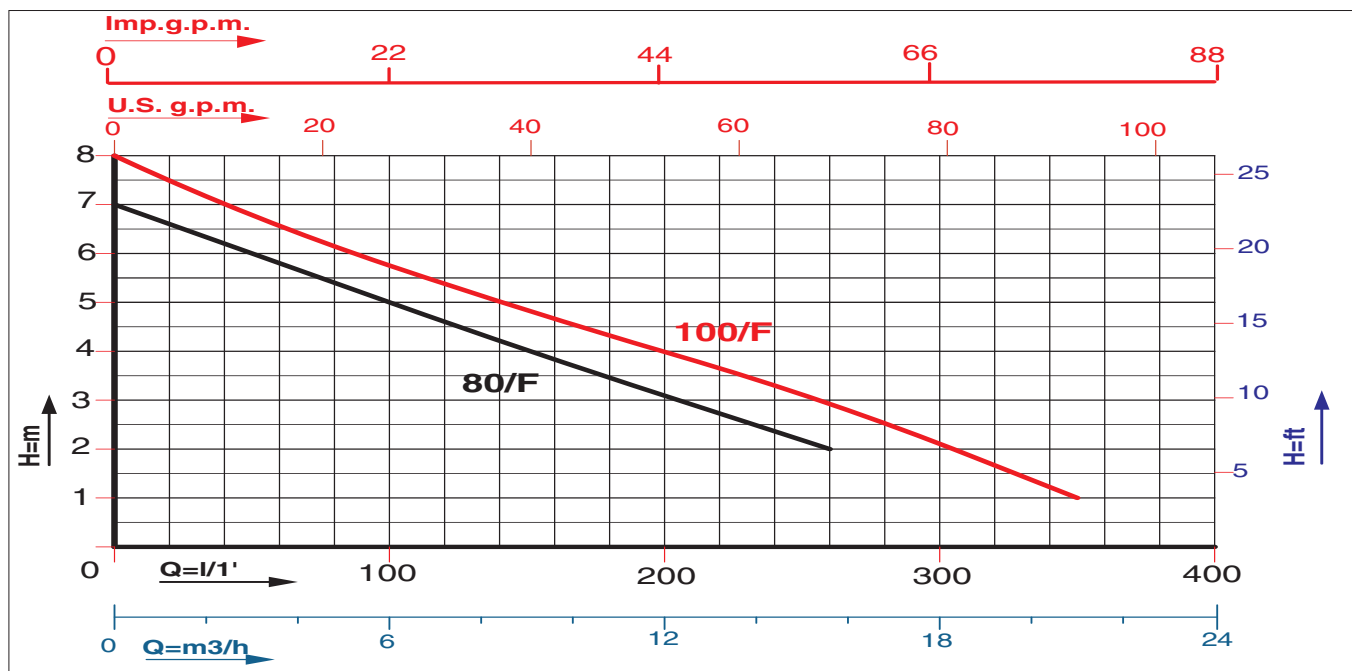
TABELLA MATERIALI / MATERIALS TABLE:

Pos.	Componente / Component	Materiale / Materials
A	Carcassa esterna / External housing	ACCIAIO INOX AISI 304 - DIN 1.4301 / STAINLESS STEEL
B	Girante / Impeller	
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 ALLUMINA SILICON CARBIDE-ALUMINA
		Lato motore per Motor face for TIGER 150F-200F-300F ANELLO DI TENUTA NBR NBR SEAL RING TIGER 400F CARBONE-ALLUMINA COAL ALUMINA
E	O - ring	NBR
H	Carcassa motore / Motor housing	ACCIAIO INOX AISI 304 - DIN 1.4301 / STAINLESS STEEL
I	Coperchio + maniglia / Cover + handle	
R	Flangia portamotore inferiore / Lower motor-flange	GHISA (G20) / CAST IRON
S	Flangia portamotore superiore / Upper motor-flange	
P	Corpo pompa / pump body	
N	Base d'appoggio / Base holder	ACCIAIO INOX AISI 304 - DIN 1.4301 / STAINLESS STEEL
T	Controflangia d'aspirazione / Suction counter-flange	

TIGER 150F-200F-300F

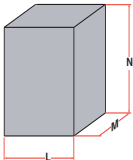
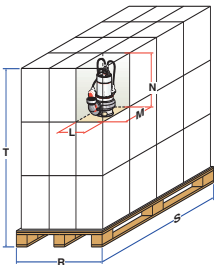
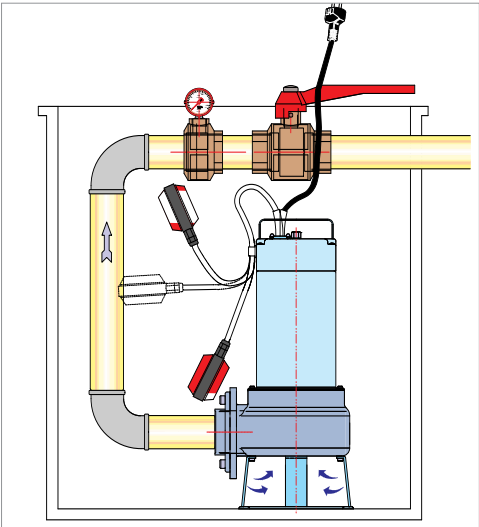
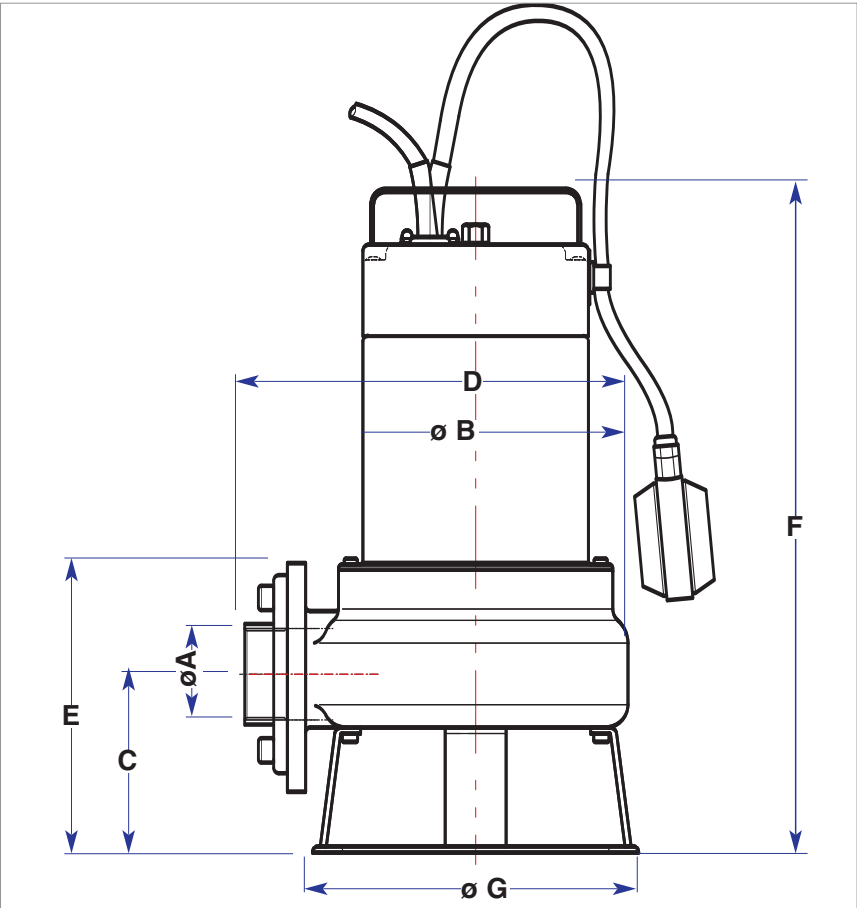
TIGER 400F





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 <i>MODEL</i>	VOLTAGGIO <i>VOLTAGE</i> 50 Hz	DATI ELETTRICI / <i>ELECTRICAL DATA</i>						DATI IDRAULICI / <i>HYDRAULIC DATA</i>									
		P1max	P2 nom.		I max	Condensatore <i>Capacitor</i>		m³/h l/min.	0	3	9	15,6	21	30	42	57	75
		Kw	Kw	HP	Ampere	µF	VC		0	50	150	260	350	500	700	950	1250
TIGER 80F M	1 x 220-230V	1,1	0,6	0,8	4,5	16	450	H (m) PREVALENZA TOTALE in METRI COLONNA ACQUA / TOTAL PUMP HEAD AND WATER COLUMN HEIGHT IN m.	7,0	6,0	4,0	2,0					
TIGER 80F T	3 x 380-400V	0,9	0,6	0,8	2,0	---	---										
TIGER 100F M	1 x 220-230V	1,5	0,75	1,0	6,5	20	450		8,0	6,7	4,8	3,0	1,0				
TIGER 100F T	3 x 380-400V	1,5	0,75	1,0	2,2	---	---										
TIGER 150F M	1 x 220-230V	2,1	1,1	1,5	9,5	40	450		9,5	9,0	7,5	5,8	4,0	2,0			
TIGER 150F T	3 x 380-400V	1,8	1,1	1,5	3,2	---	---										
TIGER 200F M	1 x 220-230V	2,7	1,5	2,0	12,5	50	450		12,0	11,0	10,0	8,8	7,5	5,5	2,0		
TIGER 200F T	3 x 380-400V	2,6	1,5	2,0	4,8	---	---										
TIGER 300F T	3 x 380-400V	3,5	2,25	3,0	6,5	---	---		12,5	12,0	11,2	10,8	10,2	8,5	6,5	3,0	
TIGER 400F M	3 x 380-400V	4,5	3	4,0	8,5	---	---		15,5	15,0	14,8	14,2	13,8	12,5	10,5	7,5	2,0



MODELLO / <i>MODEL</i>	DIMENSIONI POMPA in mm. / <i>PUMP DIMENSIONS in mm.</i>								
	A	B	C	D	E	F	G	H	I
TIGER 80F M	2"	164	81,5	274	161,5	367	153		
TIGER 80F T	2"	164	81,5	274	161,5	367	153		
TIGER 100F M	2"	164	81,5	274	161,5	367	153		
TIGER 100F T	2"	164	81,5	274	161,5	367	153		
TIGER 150F M	2 1/2"	200	121	280,5	196	490	214		
TIGER 150F T	2 1/2"	200	121	280,5	196	490	214		
TIGER 200F M	2 1/2"	200	121	280,5	196	490	214		
TIGER 200F T	2 1/2"	200	121	280,5	196	490	214		
TIGER 300F T	3"	253	133	290	223	523,5	214		
TIGER 400F T	3"	253	133	290	223	647	214		

MODELLO / <i>MODEL</i>	DIMENSIONI SCATOLA / <i>PACKING DIMENSIONS</i>				DIMENSIONI PALLET / <i>PALLET DIMENSIONS</i>				
	L mm.	M mm.	N mm.	Peso / Weight Kg.	R mm.	S mm.	T mm.	nr. scatole/cartons	Peso / Weight Kg.
TIGER 80F M	190	230	410	14	800	1200	1370	60	865
TIGER 80F T	190	230	410	14	800	1200	1370	60	865
TIGER 100F M	190	230	410	16	800	1200	1370	60	985
TIGER 100F T	190	230	410	16	800	1200	1370	60	985
TIGER 150F M	260	300	530	23	800	1200	1750	36	850
TIGER 150F T	260	300	530	23	800	1200	1750	36	850
TIGER 200F M	260	300	530	28	800	1200	1750	36	1030
TIGER 200F T	260	300	530	28	800	1200	1750	36	1030
TIGER 300F T	260	300	550	32	800	1200	1810	36	1170
TIGER 400F T	720	400	260	48	800	1200	900	9	460

Besoin d'un prix ou d'un conseil technique ?

Arven TIGER F

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