



Fiche produit Motralec Arven TIGER 70 80 100 150 200 - fiche technique | Motralec

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TIGER



motralec

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ELETTROPOMPE SOMMERGIBILI VORTEX E BICANALI PER ACQUE CARICHE SUBMERSIBLE VORTEX AND BICANAL ELECTRIC PUMPS FOR WASTEWATER

PREVALENZA : 6,5 mt. ÷ 15,8 mt.
PORTATA : 12 m³/h ÷ 42 m³/h
POTENZA NOMINALE : 0,5 Kw (0,7HP) ÷ 1,5 Kw (2HP)
PASSAGGIO SOLIDI FINO A 50 mm.

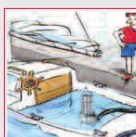
APPLICAZIONI

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

PUMP HEAD : 6.5 m to 15,8 m
DELIVERY : 12 m³/h to 42 m³/h
RATED HORSEPOWER : 0.5 kW (0.7HP) to 1.5 kW (2HP)
SOLID MATTER BYPASS up to 50 mm.

APPLICATIONS

- DECANTATION 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

- ELETTRROPOMPA A DOPPIA CAMERA (MOTORE, TENUTA MECCANICA).
 - MOTORE A BAGNO D'OLIO (BIODEGRADABILE E DIELETRICO) PER RAFFREDDAMENTO E LUBRIFICAZIONE CUSCINETTI.
 - ANELLO DI TENUTA LATO MOTORE.
 - TENUTA MECCANICA A BAGNO D'OLIO.
 - 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: 30 mm. - TIGER 70
35 mm. - TIGER 80
50 mm. - TIGER 100 - 150 - 200
 - VERSIONI: Monofase: 220 - 277V/50Hz e 220 - 277V / 60 Hz con protettore termico incorporato e condensatore permanentemente inserito.
Trifase: 220 - 277V/50Hz o 380 - 480V / 50Hz e 220-277V o 380 - 480V / 60Hz con protezione da sovraccarico a cura dell'utente.
 - VERSIONI MONOFASI AUTOMATICHE CON GALLEGGIANTE O MANUALI SENZA GALLEGGIANTE.
 - CAVO STANDARD:
Monofase: 10 metri H07RN-F per versione normale (aut.-man.)
5 metri H07RN-F solo per versione automatica. (esclusa TIGER 150)
5 metri H05VV-F solo per TIGER 70.
Trifase: 10 metri H07RN-F
- SPECIALI VOLTAGGI E FREQUENZE A RICHIESTA.

DESIGN ENGINEERING

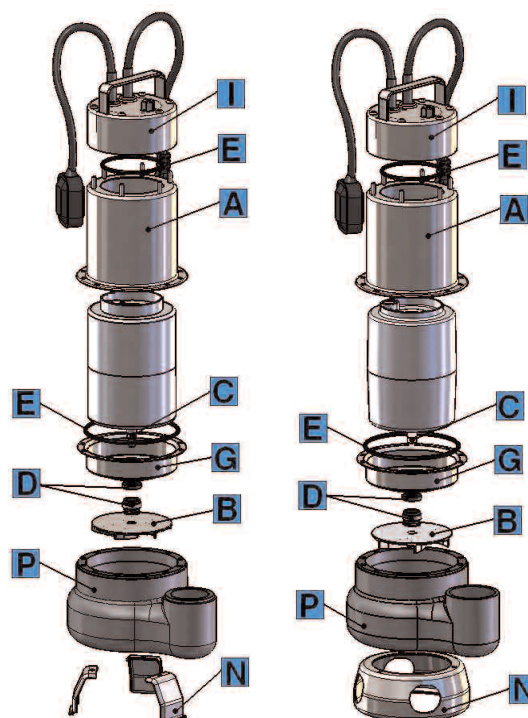
- DUAL CHAMBER ELECTRIC PUMP (mechanical seal, motor).
 - OIL BATH MOTOR (BIODEGRADABLE AND DIELECTRIC) FOR COOLING AND BEARING LUBRICATION.
 - SEALING RING - ENGINE face.
 - Oil bath MECHANICAL SEALS.
 - PERMISSIBLE DRAUGHT OF WATER: 5 m
 - IP 68 PROTECTION CLASS.
 - CLASS "F" INSULATION.
 - MAX. PUMPED LIQUID TEMPERATURE:
25°C with PARTIALLY submerged pump.
50°C with TOTALLY submerged pump.
 - BY PASS SECTION: 30 mm. - TIGER 70
35 mm. - TIGER 80
50 mm. - TIGER 100 - 150 - 200
 - VERSIONS: Single Phase: 220 - 277V / 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.
 - AUTOMATIC SINGLE PHASE VERSIONS WITH FLOATER OR MANUAL SINGLE PHASE VERSION WITHOUT FLOATER.
 - STANDARD CABLE FEATURES:
Single Phase: 10 metres H07RN-F for the standard version (automatic-manual).
5 metres H07RN-F only for the automatic version. (excluded TIGER 150)
5 metres H05VV-F only for TIGER 70.
Three Phase: ...10 metres H07RN-F
- CUSTOMISED VOLTAGE AND FREQUENCY RATING AVAILABLE ON DEMAND.

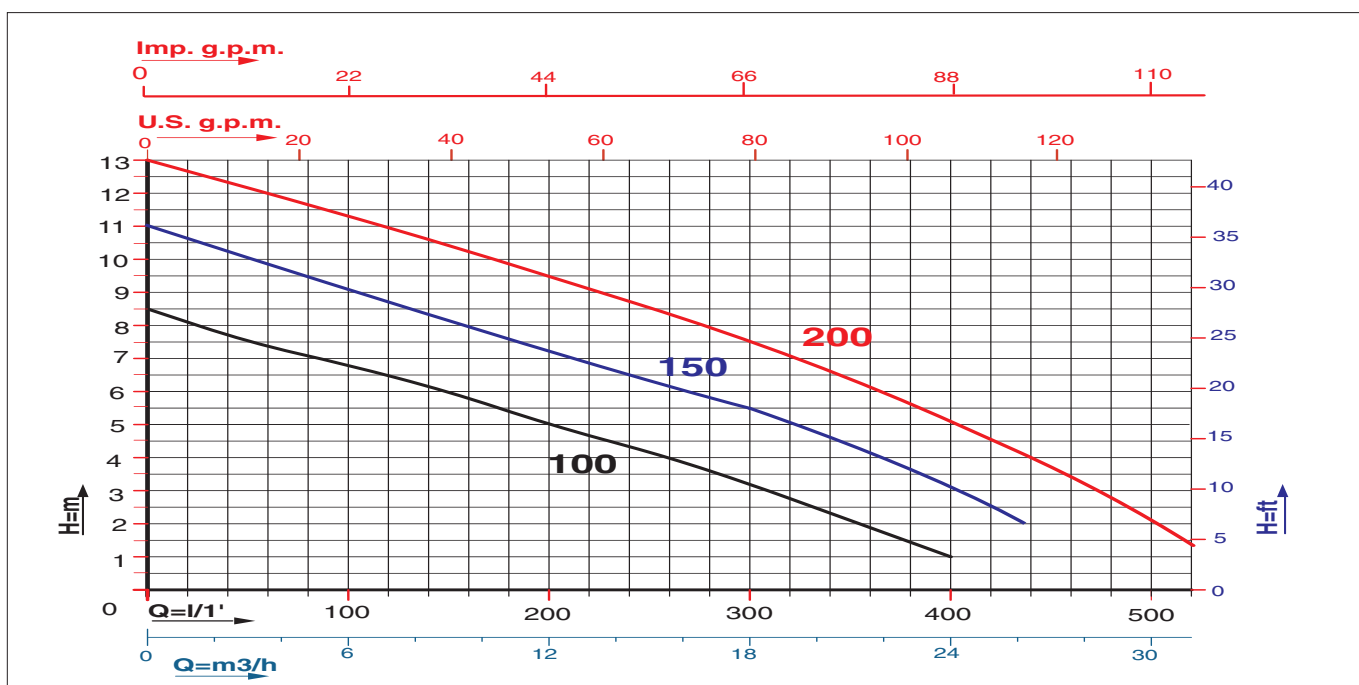
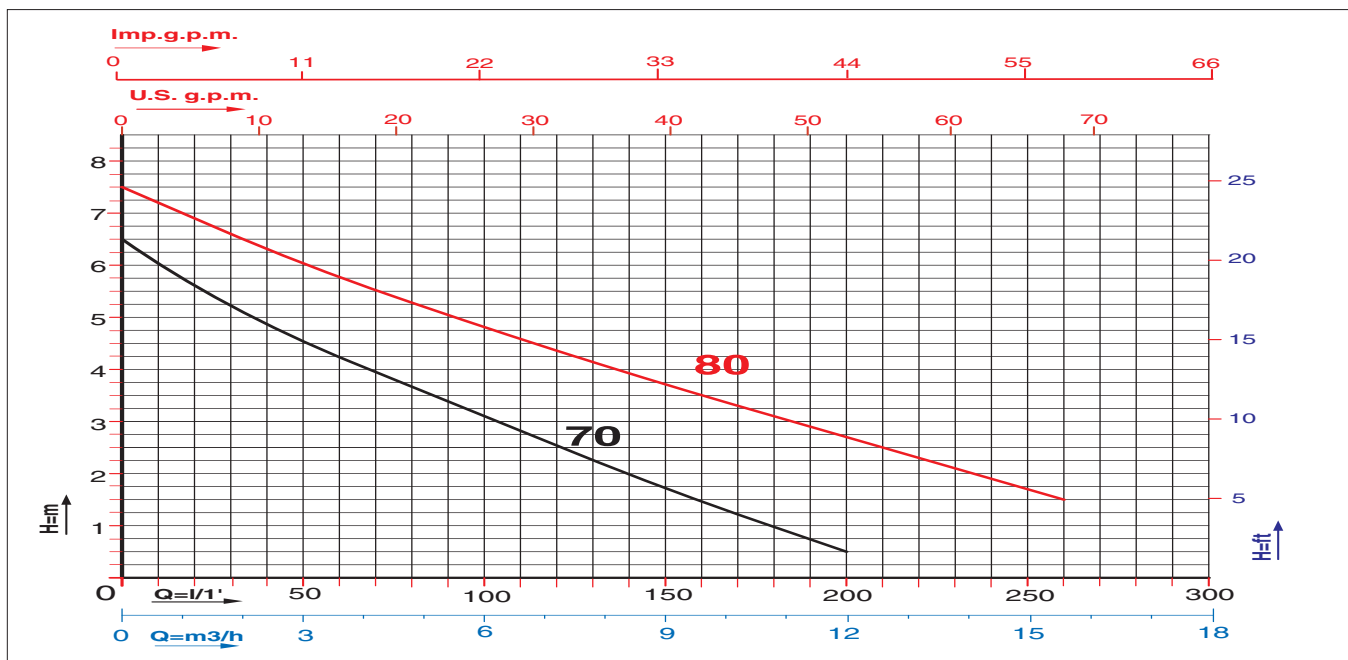
TABELLA MATERIALI / MATERIALS TABLE:

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)	TIGER 70 ACCIAIO INOX AISI 416-DIN 1.4005 / STAINLESS STEEL
		TIGER 80-100-150 ACCIAIO INOX AISI 316-DIN 1.4401 / STAINLESS STEEL
D	Tenuta meccanica Mechanical seal	Lato pompa TIGER 70 Pump face TIGER 70 CARBONE-ALLUMINA COAL-ALUMINA
		Lato pompa / Pump face CARBURO DI SILICIO-ALLUMINA SILICON CARBIDE-ALUMINA
		Lato motore / Motor face ANELLO DI TENUTA NBR NBR SEAL RING
E	O-ring	NBR
G	Porta motore / Motor holder	ACCIAIO INOX AISI 304-DIN 1.4301 STAINLESS STEEL
I	Coperchio / Cover	
N	Base d'appoggio / Base holder	
P	Corpo pompa / Pump body	GHISA (G20) / CAST IRON

TIGER 70

TIGER 80 - 100 - 150 - 200

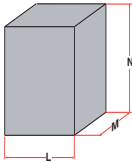
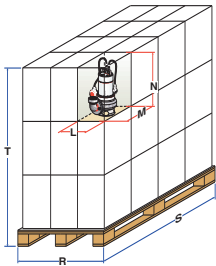
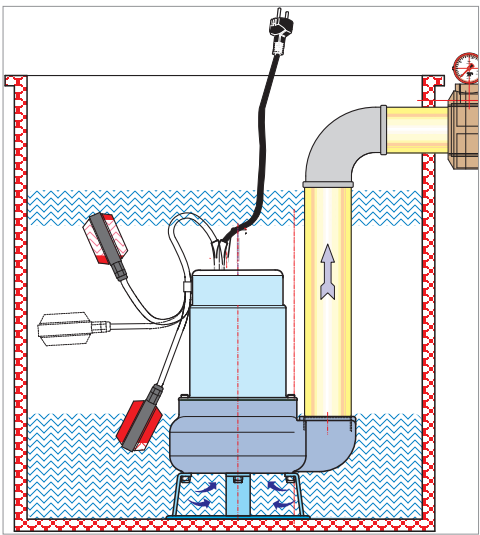
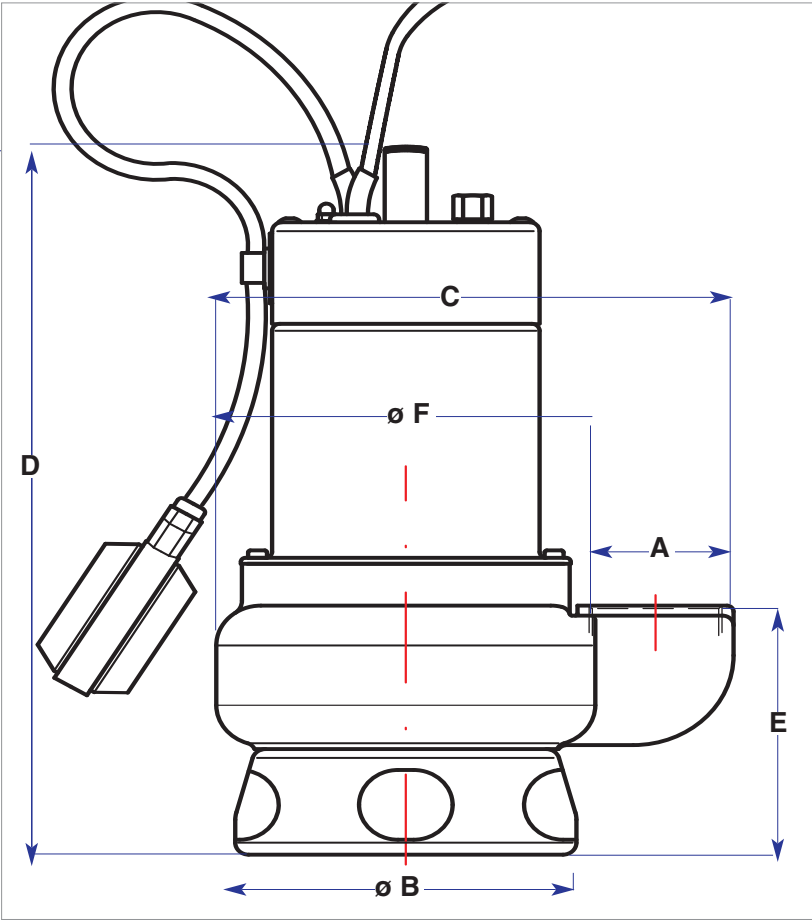




Caratteristiche di funzionamento a 2800 rpm 50Hz e 3450 rpm 60Hz - Performances at 2800 rpm 50 Hz and 3450 rpm 60 Hz
Le prestazioni valgono per liquidi con densità $p = 1,0 \text{ kg/dm}^3$ ed una viscosità $v = 1 \text{ mm}^2/\text{s}$ / The performance data holds true for liquids with a $p = 1,0 \text{ kg/dm}^3$ density and a $v = 1 \text{ mm}^2/\text{s}$ 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	0	3	6	9	12	15,6	18	24	27	30		
		Kw	Kw	HP	Ampere	µF	VC													
TIGER 70 M	1 x 220-230V	0,9	0,5	0,7	4,0	14,5	450	H (m)	l/min.	0	50	100	150	200	260	300	400	450	500	
TIGER 80 M	1 x 220-230V	1,1	0,6	0,8	5,0	16	450			7,5	6,0	4,8	3,7	2,7	1,5					
TIGER 80 T	3 x 380-400V	0,9	0,6	0,8	2,0	---	---			7,5	6,0	4,8	3,7	2,7	1,5					
TIGER 100 M	1 x 220-230V	1,5	0,75	1,0	6,5	20	450			8,5	7,5	6,8	6,0	5,0	4,0	3,2	1,0			
TIGER 100 T	3 x 380-400V	1,3	0,75	1,0	2,4	---	---			8,5	7,5	6,8	6,0	5,0	4,0	3,2	1,0			
TIGER 150 M	1 x 220-230V	2,2	1,1	1,5	10,4	30	450			11,0	9,8	9,0	8,0	7,3	6,2	5,6	3,2	1,8		
TIGER 150 T	3 x 380-400V	1,7	1,1	1,5	3,0	---	---			11,0	9,8	9,0	8,0	7,3	6,2	5,6	3,2	1,8		
TIGER 200 T	3 x 380-400V	2,2	1,5	2,0	3,6	---	---			13,0	12,2	11,2	10,4	9,5	8,3	7,5	5,2	3,0	2,0	

DIMENSIONI E PESI / SIZE AND WEIGHT DATA.



MODELLO / <i>MODEL</i>	DIMENSIONI POMPA in mm. / <i>PUMP DIMENSIONS in mm.</i>								
	A	B	C	D	E	F	G	H	I
TIGER 70	1 1/2"	150	232	360,5	125	170			
TIGER 80	1 1/2"	150	232	372,5	125	170			
TIGER 100	2"	150	232	385,5	125	170			
TIGER 150	2"	150	232	395,5	125	170			
TIGER 200	2"	150	232	395,5	125	170			
TIGER BC 100	2"	150	232	367	125	170			
TIGER BC 150	2"	150	232	407	125	170			
TIGER BC 200	2"	150	232	407	125	170			

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 70	190	230	410	11	800	1200	1360	60	685
TIGER 80	190	230	410	12	800	1200	1360	60	745
TIGER 100	190	230	410	13	800	1200	1360	60	805
TIGER 150	190	230	480	15	800	1200	1570	60	925
TIGER 200	190	230	480	15	800	1200	1570	60	925
TIGER BC 100	190	230	480	14	800	1200	1570	60	865
TIGER BC 150	190	230	480	16	800	1200	1570	60	985
TIGER BC 200	190	230	480	16	800	1200	1570	60	985

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

Arven TIGER 70 80 100 150 200

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- Devis rapide et conseil technique par nos spécialistes
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