



SUBMERSIBLE VORTEX ELECTRIC PUMPS FOR WASTEWATER

PUMP HEAD : 7.5 m to 13 m

DELIVERY : 15.6 m³/h to 30 m³/h

RATED HORSEPOWER : 0.6 kW (0.8HP) 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.

DESIGN ENGINEERING:

- DOUBLE CHAMBER ELECTRIC PUMP (MOTOR, MECHANICAL SEAL).
- 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: 35 mm. - NAS 80
 50 mm. - NAS 100 - 150 - 200
- VERSIONS: Single Phase: 220 – 230 V / 50 Hz or 220 – 230V / 60 Hz with built in thermal protection and permanent capacitor.
 Three Phase :220 – 230 V / 50 Hz or 380 – 400V / 50Hz and 220-230V or 380 – 400V / 60Hz with overload protection care of the User
- AUTOMATIC SINGLE PHASE VERSIONS WITH FLOATER OR MANUAL SINGLE PHASE VERSIONS, 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 SKIPPER 150).
 Three Phase: 10 metres H07RN-F

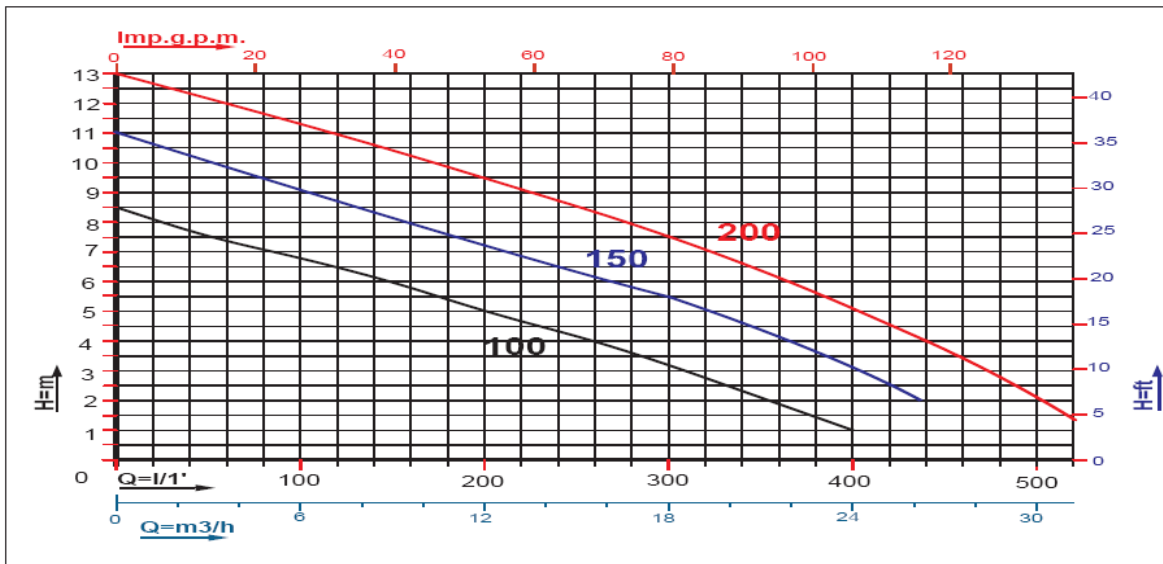
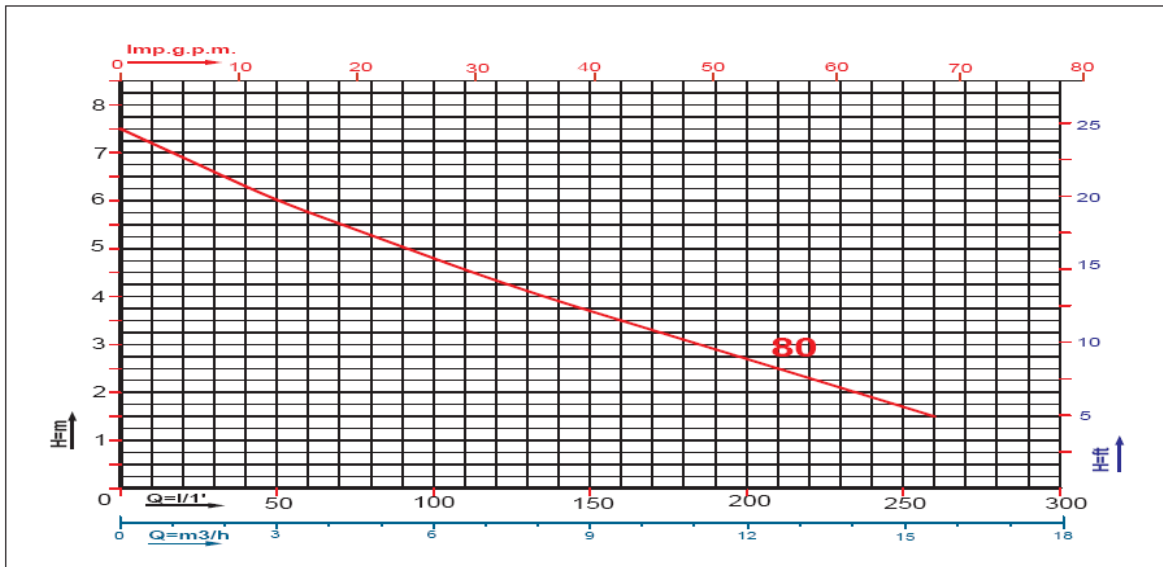
CUSTOMISED VOLTAGE AND FREQUENCY RATING AVAILABLE ON DEMAND.

TABELLA MATERIALI / MATERIALS TABLE:

Pes.	Componente / Component	Materiale / Materials	
P	Corpo pompa / Pump body	ACCIAIO INOX / (AISI 304 - DIN 1.4301) / STAINLESS STEEL	
B	Girante / Impeller	ACCIAIO INOX / (AISI 304 - DIN 1.4301) / STAINLESS STEEL	
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 / Motor face	O - Ring NBR
E	O - ring	NBR	
F	Cassa motore / Motor housing	Acciaio INOX / (AISI 304 - DIN 1.4301) / STAINLESS STEEL	
G	Porta motore / Motor holder		
H	Coperchio + Maniglia / Cover + Handle		
L	Base d'appoggio / Base holder		



Serie NAS

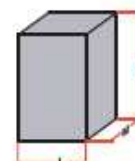
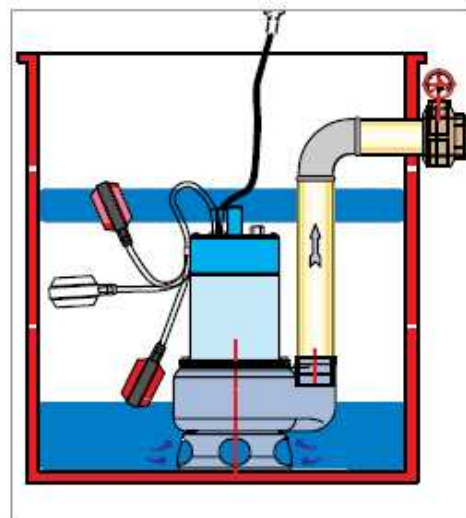
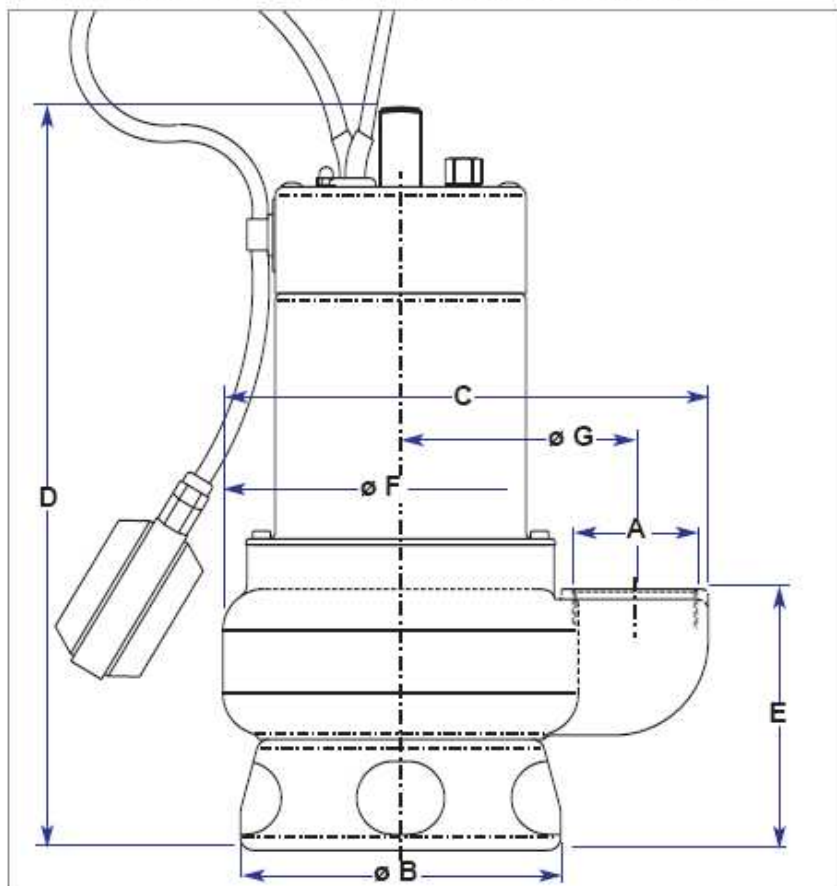


Caratteristiche di funzionamento a 2800 rpm 50Hz e 3450 rpm 60Hz - Performances at 2800 rpm 50 Hz and 3450 rpm 60 Hz
 Le prestazioni valgono per liquidi con densità $\rho = 1,0 \text{ kg/dm}^3$ ed una viscosità $\nu = 1 \text{ mm}^2/\text{s}$ / The performance data holds true for liquids with a $\rho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

MODELLO MODEL	VOLTAGGIO VOLTAGE 50 Hz	DATI ELETTRICI / ELECTRICAL DATA						DATI IDRAULICI / HYDRAULIC DATA																						
		P1max Kw	P2 nom. Kw	HP	I max Ampere	Condensatore μF	Capacitor VC	m³/h	0	3	6	9	12	15,6	18	24	27	30	l/min.	0	50	100	150	200	260	300	400	450	500	
NAS 80M	1 x 220-230V	1,1	0,6	0,8	5,0	16	450	H (m)	7,5	6	4,8	3,7	2,7	1,5						7,5	6	4,8	3,7	2,7	1,5					
NAS 80T	3 x 380-400V	0,9	0,6	0,8	2,1				8,5	7,5	6,8	6	5	4	3,2	1				8,5	7,5	6,8	6	5	4	3,2	1			
NAS 100M	1 x 220-230V	1,5	0,75	1	6,5	20	450		11	9,8	9	8	7,3	6,2	5,6	3,2	1,8			11	9,8	9	8	7,3	6,2	5,6	3,2	1,8		
NAS 100T	3 x 380-400V	1,3	0,75	1	2,4	---	---																							
NAS 150M	1 x 220-230V	2,2	1,1	1,5	10,4	30	450																							
NAS 150T	3 x 380-400V	1,7	1,1	1,5	3,0	---	---																							
NAS 200T	3 x 380-400V	2,2	1,5	2	3,6	---	---		13	12,2	11,2	10,4	9,5	8,3	7,5	5,2	3	2												

PRESSIONE TOTALE IN METRI COLONNA
 ACCQUI / TOTAL PUMP HEAD AND WATER
 COLUMN HEIGHT IN M.

DIMENSIONI e PESI / SIZE AND WEIGHT DATA:



MODELLO / MODEL	DIMENSIONI POMPA in mm. / PUMP DIMENSIONS in mm.								
	A	B	C	D	E	F	G	H	I
NAS 80 M	1 1/2"	164	217	355	153	164	108		
NAS 80 T	1 1/2"	164	217	355	153	164	108		
NAS 100 M	2"	164	221	355	178	164	108		
NAS 100T	2"	164	221	355	178	164	108		
NAS 150M	2"	164	221	395	178	164	108		
NAS 150T	2"	164	221	395	178	164	108		
NAS 200T	2"	164	221	395	178	164	108		

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.
NAS 80M	190	230	410	10,5	800	1200	1360	60	650
NAS 80T	190	230	410	10,5	800	1200	1360	60	650
NAS 100M	190	230	410	11,5	800	1200	1360	60	715
NAS 100T	190	230	410	11,5	800	1200	1360	60	715
NAS 150M	190	230	410	13,5	800	1200	1360	60	835
NAS 150T	190	230	410	13,5	800	1200	1360	60	835
NAS 200T	190	230	410	13,5	800	1200	1360	60	835