Jansen POMPEN- & WATERTECHNIEK
Hoogeindsestraat 5
NL - 5447 PD Rijkevoort
Nederland
T : +31 (0) 485 - 371318
F : +31 (0) 485 - 371918
info@pompentechniek.nl
www.pompentechniek.nl

PENTAIR

NOCCHI DRENOX

ELECTRIC SUBMERSIBLE PUMP FOR FRESH WATER DRAINAGE

The pumps in the DRENOX series are constructed in 100% stainless steel AISI 304. The motor is cooled via a heat exchange chamber that enables the machine to run for long periods without being complete immersed. Hose bend connector Ø 32 mm supplied. Automatic version (aut) equipped with float switch.

APPLICATIONS

- Drainage of infiltration water, lifting of rainwater, from grilles or drains, lifting of domestic waste water, emptying of areas, tanks and swimming pools, industrial applications.
- Fountains and water features.
- Gravity irrigation systems.

MOTOR

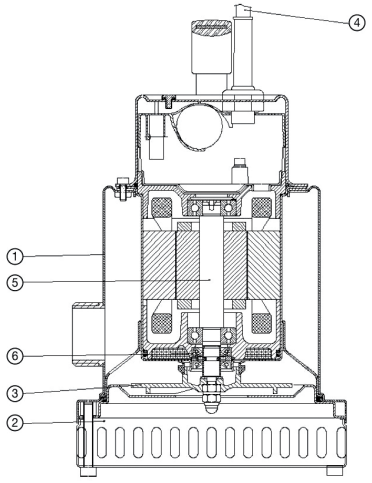
- Dry motor with stainless steel body.
- Protection rating IP 68.
- Insulation class F.
- Single phase power supply with permanently activated capacitor and thermal cutout protection incorporated in the motor winding.
- Three phase power supply with external protection to be fitted by the user.
- Fully insulated cable connection chamber.
- Self-lubricating ball bearings.
- Rotation speed 2850 rpm.

APPLICATION DATA

- Type of liquid: clear partially loaded or contaminated water, non-aggressive liquids.
- Maximum liquid temperature: 40°C.
- Maximum immersion below water level: 7 m.
- Minimum drainage level 3 mm for model 80/7, and 35 mm for remaining models (on manual version).
- Free transit of solid bodies 3 mm for model 80/7, and 6 mm for remaining models.

TABLE OF MATERIALS

	Component	Material
1	Pump body	Stainless steel X5 CrNi 1810 (AISI 304)
2	Suction grille	Stainless steel X5 CrNi 1810 (AISI 304)
3	Impeller	Cast stainless steel X5 CrNi 1810 (AISI 304)
4	Motor body	Stainless steel X 8 CrNi 18-10 (AISI 304)
5	Power cable	10 m H07 RN-F with plug
6	Motor shaft	Stainless steel with ceramic coating at points of wear on seal
7	Mechanical gasket	Double fixed seal in rubber NBR70 with special sand-proof V-ring. Lubricated in oil chamber



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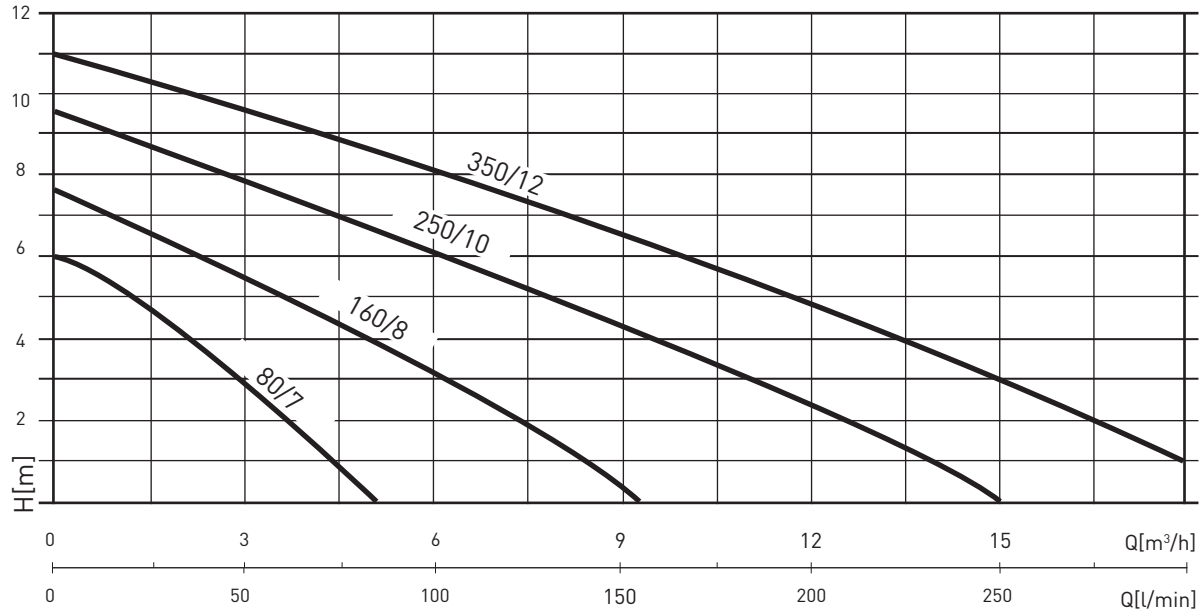
HYDRAULIC PERFORMANCE



MODEL	Motor output (P2)		Power Motor (P1)		VOLT	In (A)	µF	Q	L/ min	10	40	60	80	120	160	240	300
	HP	kW	HP	kW					m³/h	0.6	2.4	3.6	4.8	7.2	9.6	14.4	300
DRENOX 80/7 DRENOX 80/7 AUT	0.3	0.2	0.4	0.3	1 ~ 220 - 240 V	1.3	6.3	m.c.a. / m.w.c.		5.4	3.3	1.8					
DRENOX 160/8 DRENOX 160/8 AUT	0.55	0.40	0.75	0.55	1 ~ 220 - 240 V	2.4	8			7	5.8	5	4.1	2.2			
DRENOX 250/10 DRENOX 250/10 AUT	0.75	0.55	1.2	0.9	1 ~ 220 - 240 V	4.5	10			9.4	8.5	7.6	7.2	5.1	4.0	1	
DRENOX 350/12 DRENOX 350/12 AUT	1.1	0.8	1.6	1.2	1 ~ 220 - 240 V	5.1	16			10.5	10	9.5	9	7.7	6.5	3.4	1
DRENOX 350/12 T	1.1	0.8	1.6	1.2	3 ~ 400 V	2				10.5	10	9.5	9	7.7	6.5	3.4	1

Automatic version equipped with float switch.

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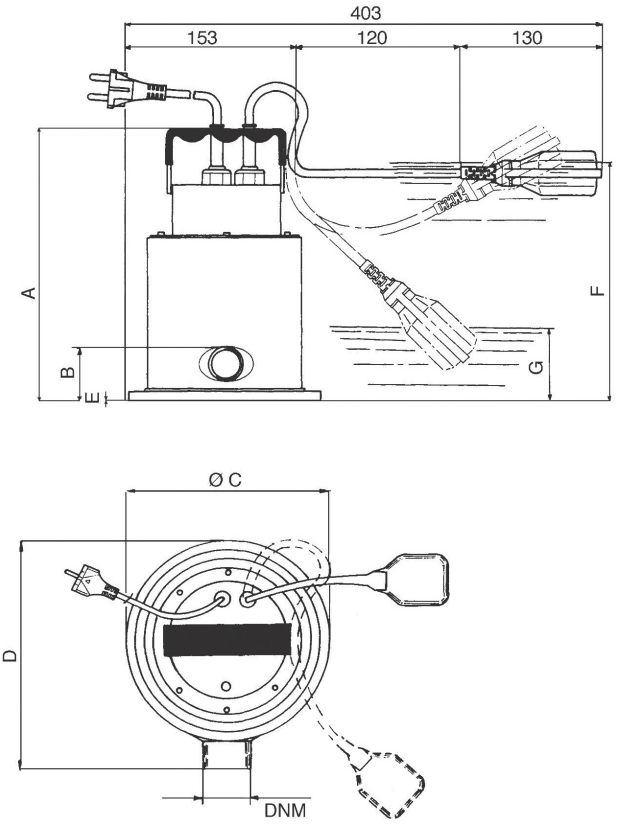
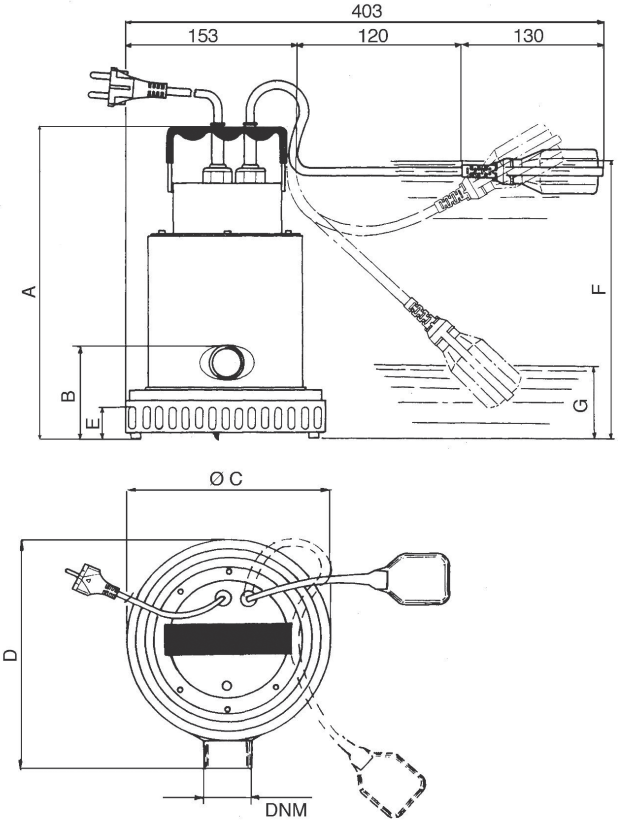
HYDRAULIC PERFORMANCE

DRENOX 80/7



DRENOX 160/8 - 250/10 - 350/12



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions (mm)									Weight (kg)
	A	B	C	D	Min. drain level E*	Connection level F	Disconnection level G	Free clearance	DNM	
DRENOX 80/7	231	61	177	182	3	250	100	03	1* 1/4	5.7

* The connect/disconnect levels refer to the version with float switch - The minimum drainage level refers to manual operating mode

OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions (mm)									Weight (kg)
	A	B	C	D	Min. drain level E*	Connection level F	Disconnection level G	Free clearance	DNM	
DRENOX 160/8	300	94	177	182	35	320	107	06	1" 1/4	6.5
DRENOX 250/10	338	94	177	182	35	351	111	06	1" 1/4	7
DRENOX 350/12	338	94	177	182	35	351	111	06	1" 1/4	8.5

* The connect/disconnect levels refer to the version with float switch. - The minimum drainage level refers to manual operating mode.

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