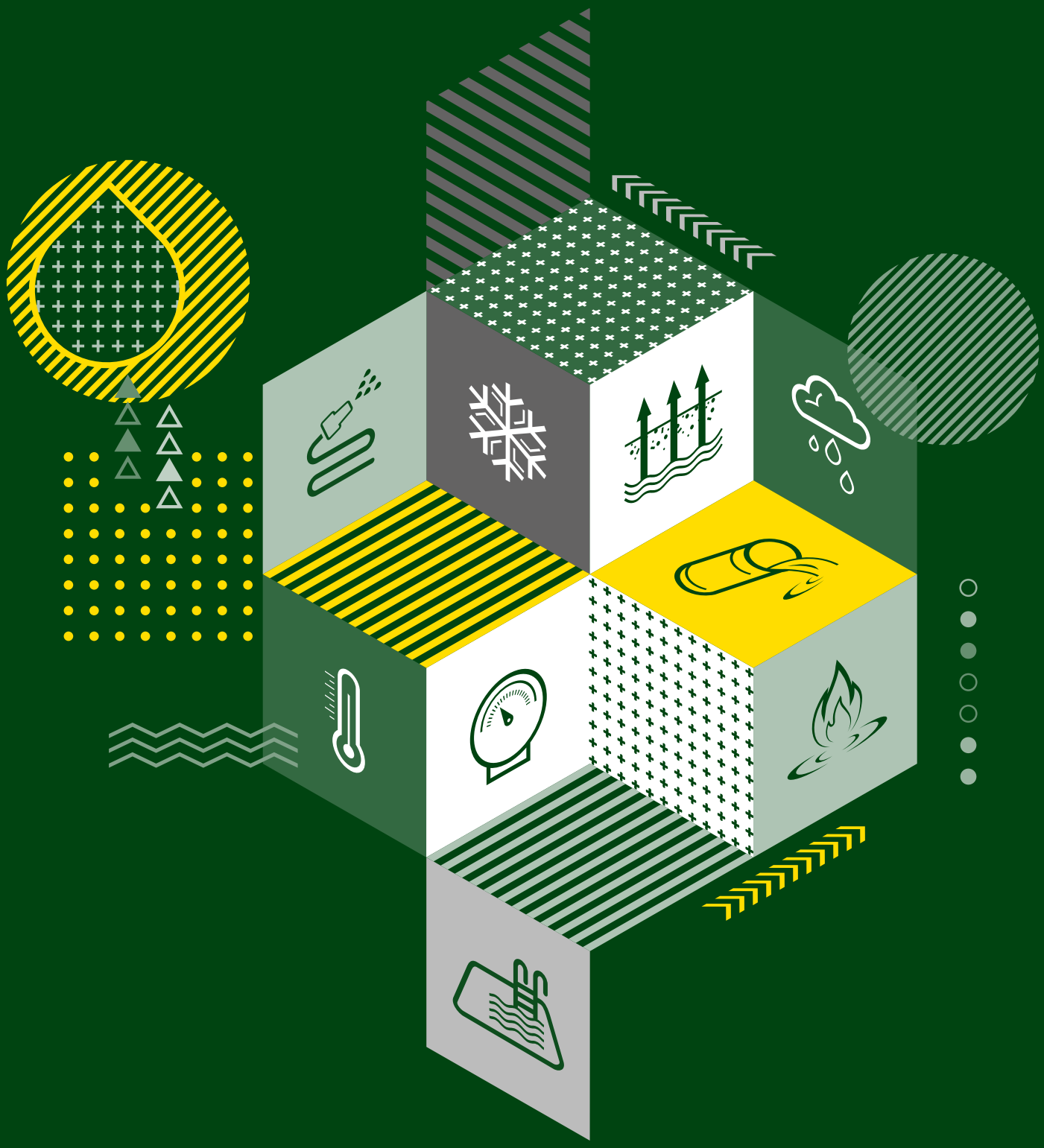

GENERAL CATALOGUE 50 Hz

43.2019

DAB®
WATER • TECHNOLOGY

NOVA

SUBMERSIBLE PUMPS

FAMCO

NOVA M-A

NOVA M-NA

Pump body, impeller, cap and suction grid in technopolymer. Motor, rotor shaft and screws in stainless steel.
Triple O-ring seal interposed with an oil precombustion chamber. Continuous duty submersible asynchronous motor. Stator fitted in an airtight stainless steel casing.
Rotor mounted on overdimensioned, greased-for-life ball bearings. Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force. Supplied with standard power cables for the single-phase version:
5 meters H05RN-F per: NOVA 180 M-A
NOVA 300 M-A
NOVA 600 M-A
10 meters H05RN-F per: NOVA 180 M-NA
NOVA 200 M-NA
10 meters H07RN-F per: NOVA 600 M-NA
Standard cables supplied for the three-phase version: 5 metres of HO7RN-F cable. For the single phase the standard is a SCHUKO plug EEC VII.

For special version available with special stainless steel motor shaft.

Operating range
from 1 to 16 m^3/h with head up to 10.2 metres

Liquid temperature range
from 0°C to +35° C for domestic use

Pumped liquid characteristics
NOVA fibre-less murky water

Granulometersc passage through the suction grid
NOVA 180-NOVA 200 - 5 mm
NOVA 300 – NOVA 600 - 10 mm

Min. suction depth
NOVA 180 A - 77 mm
NOVA 180 NA – NOVA 200 - 8 mm
NOVA 300 - 85 mm
NOVA 600 A - 175 mm
NOVA 600 NA - 38 mm

Maximum immersion depth 7 metres

Maximum dry running time 1 minute

Protection level IP 68

Insulation class F

PANELS PAG. 245
ACCESSORIES PAG. 235

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNM GAS	CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	1	2	3	4,5	5	6	7	7,5	9	10	12	15				
							Q=l/min	0	16,6	33,3	50	75	83,3	100	116,6	125	150	166,6	200	250				
NOVA 180 M-A - SV	103002684	1X220-240 V~	0,19	0,2	0,28	0,9	H (m)	4,95	4,45	3,9	3,15	1,7	1,15								1"¼	5 mt.	4,6	48
NOVA 180 M-NA - SV	103002694	1X220-240 V~	0,19	0,2	0,28	0,9		4,95	4,45	3,9	3,15	1,7	1,15								1"¼	10 mt.	4,5	48
NOVA 200 M-NA - SV	103002704	1X220-240 V~	0,35	0,22	0,3	1,5		7,1	6,6	6,1	5,6	4,9	4,7	4,2	3,7	3,5	2,8	2,35	1,5		1"¼	10 mt.	4,5	48
NOVA 300 M-A - SV	103002724	1X220-240 V~	0,35	0,22	0,3	1,6		7,18	6,7	6,23	5,8	5,2	5	4,6	4,2	4	3,42	3	2,2		1"¼	5 mt.	4,6	48
NOVA 600 M-A - SV	103002744	1X220-240 V~	0,80	0,55	0,75	3,4		10,2	9,7	9,3	8,9	8,3	8,1	7,8	7,4	7,2	6,6	6,1	5	3,1	1"¼	5 mt.	7	32
NOVA 600 M-NA - SV	103002754	1X220-240 V~	0,80	0,55	0,75	3,4		10,2	9,7	9,3	8,9	8,3	8,1	7,8	7,4	7,2	6,6	6,1	5	3,1	1"¼	10 mt.	6,7	32
NOVA 600 T-NA - SV	103005814	3X400 V~	0,80	0,55	0,75	1,6		10,2	9,7	9,3	8,9	8,3	8,1	7,8	7,4	7,2	6,6	6,1	5	3,1	1"¼	10 mt.	6,7	32

A= automatic with float **NA**= non automatic without float

NOVA UP

SUBMERSIBLE PUMPS

FAMCO

NOVA UP M-A

NOVA UP M-NA

Vertical flow drainage pump in an automatic or manual version with removable filter for suction up to 2/3 mm, features that make it a strong pump and allow for installation versatility.
These pumps can be used with liquids that contain solids of a maximum size up to 10 mm.
Pump body, impeller, Cap and grille in technopolymer.
The motor, rotor shaft and screws in stainless steel.
Triple O-ring seal with interposed oil Chamber.
Asynchronous submersible motor for continuous operation. Stator in a sealed stainless steel enclosure.
Rotor mounted on ball bearings greased for life and oversized.
Thermal-amperometersc protection incorporated and condenser permanently connected.

Operating range
from 1 to 15 m³ / h with prevalence up to 10 meters.

Temperature range of the liquid
from 0 ° C to +35 ° C for domestic use.

Pumped liquid temperature
murky waters without fibers

Minimum depth of draft
NOVA UP-300M - 120 mm
NOVA UP 300M - 60 mm
NOVA UP 600M - 165 mm
NOVA UP 600M - 70 mm

Maximum immersion depth 7 meters.

Installation vertical, fixed or portable.

Degree of protection IP 68.

Insulation class F

NOVA UP

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNM GAS	CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m³h	0	1	2	3	4,5	5	6	7	7,5	9	10	12	13,5				
				kW	HP		Q=l/min	0	16,6	33,3	50	75	83,3	100	116,6	125	150	166,6	200	225				
NOVA UP 300 M-A	60152305	1X220-240 V~	0,38	0,21	0,28	1,5	H (m)	7,6	6,9	6,25	5,6	4,7	4,4	3,6	2,8	2,3	1				1" ¼	10 mt.	5,8	39
NOVA UP 300 M-NA	60152309	1X220-240 V~	0,38	0,21	0,28	1,5		7,6	6,9	6,25	5,6	4,7	4,4	3,6	2,8	2,3	1				1" ¼	10 mt.	5,6	39
NOVA UP 600 M-A	60152306	1X220-240 V~	0,77	0,52	0.69	3,5		9,8	9,4	9	8,5	7,7	7,4	6,8	6,2	5,9	4,7	3,9	2	0,3	1" ¼	10 mt.	7,3	26
NOVA UP 600 M-NA	60152310	1X220-240 V~	0,77	0,52	0.69	3,5		9,8	9,4	9	8,5	7,7	7,4	6,8	6,2	5,9	4,7	3,9	2	0,3	1" ¼	10 mt.	7,1	26

A= automatic with float **NA**= non automatic without float

NOVA UP MAE

SUBMERSIBLE PUMPS

NOVA UP MAE

NOVA UP MAE

Electronic pump drainage with vertical adjustable (automatic or manual) with removable filter for suction up to 2/3 mm. The adjustment slider of the probes, allows you to vary the level of on-off of the pump, this feature increases the versatility of installation.
The vertical delivery and the electronic float make it a pump suitable for use in wells of small dimensions.
These pumps can be used with liquids containing solids up to 10 mm maximum size.
Pump body, impeller, cap and grille in technopolymer.
The motor, rotor shaft and screws in stainless steel.
Triple O-ring seal with interposed oil chamber.
Asynchronous submersible motor for continuous operation. Stator in a sealed stainless steel enclosure.
Rotor mounted on ball bearings greased for life and oversized.
Thermal-amperometersc protection incorporated and condenser permanently connected.

Operating range
from 1 to 15 m³/h-with prevalence up to 10 meters.

Temperature range of the liquid
from 0° C to +35° C for domestic use.

Pumped liquid temperature
murky waters without fibers

Minimum depth of draft
NOVA UP 300 M-AE 60 mm
NOVA UP 600 M-AE 70 mm

Maximum immersion 7 meters.

Installation vertical, portable or fixed.

Degree of protection IP 68.

Insulation class F.

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNM GAS	CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m³h	0	1	2	3	4,5	5	6	7	7,5	9	10	12	13,5				
				kW	HP		Q=l/min	0	16,6	33,3	50	75	83,3	100	116,6	125	150	166,6	200	225				
NOVA UP 300 M-AE	60153572	1X220-240 V~	0,38	0,21	0,28	1,5	H (m)	7,6	6,9	6,25	5,6	4,7	4,4	3,6	2,8	2,3	1				1" ¼	10 mt.	5,6	39
NOVA UP 600 M-AE	60153573	1X220-240 V~	0,77	0,52	0.69	3,5		9,8	9,4	9	8,5	7,7	7,4	6,8	6,2	5,9	4,7	3,9	2	0,3	1" ¼	10 mt.	7,3	26

A= automatic with float **E**= Electronic

VERTY NOVA

INTEGRATED FLOAT SWITHC SUBMERSIBLE PUMPS

FAMCO

Submersible pumps specifically designed for uses in narrow pits with dimensions down to 20 cm x 20 cm. Suitable to pump clear water containing particles with maximum diameter up to 5 mm.
Pump with built-in float switch
Anti-corrosive and rust-proof materials.
Integrated float switch.
Low suction capability: 2 – 3 mm (manual mode).
Very low priming and starting level of the pump: 10 – 15 mm (manual mode).
Knob for manual or automatic operation.
Easy access through sliding cover to float switch for cleaning.
Motor with thermal overload protection.
Excellent cooling of the motor that enables the pump to operate even when it is partially submersible.
Supplied with power cable with plug, non return valve and 4-step fitting.

Operating range
from 1 to 10m³/h with head up to 9 metres.
Liquid temperature range
from 0 °C to +35 °C for domestic use.
Pumped liquid dirty water without fibres.
Pump priming limit
10-15 mm in manual operation.
Max. immersion depth 7 metres.

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA												DNM GAS	CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m³h	0	1	2	3	4,5	5	6	7	7,5	9	10				
				kW	HP		Q=l/min	0	16,6	33,3	50	75	83,3	100	116,6	125	150	166,6				
VERTY NOVA 200 M	60122636	1X230 V~	0,3	0,2	0,28	1,3	H (m)	6,9	6,5	6	5,8	4,5	4	3	1,8				1" ¼	10 mt.	4,2	40
VERTY NOVA 400 M	60122637	1X230 V~	0,6	0,4	0,55	2,6		9	8,8	8,5	8,1	7,8	7	6,7	1,8	5,7	4,2	3,5	1" ¼	10 mt.	5,1	40

DRENAG 1000 - 1200

SUBMERSIBLE PUMPS

Submersible electric pump in AISI 304 Stainless Steel: pump body, impeller, motor flange, filter and filter cover, motor casing, outer casing with handle, cable compartment cover.
Shaft **in AISI 316 stainless steel.**
Handle coated with insulating rubber. **Double mechanical seal** with oil chamber interposed, carbon/alumina on motor side and silicon/silicon carbide on pump side. **Dry motor**, asynchronous, watertight, cooled by the pumped liquid itself. Standard thermal protection in the winding. Capacitor permanently on in the single-phase version. 10 metres of H07RN-F power cables with schuko plug are supplied as a standard USA plug instead could be also available on request. All models can be supplied either with or without float.

Operating range
from 3 to 24 m³/h with head up to 14.2 mt.
Liquid temperature range
from 0°C to +35°C for domestic use.
from 0°C to +50°C.
Pumped liquid characteristics
rain water, phreatic water, sandy water from building yards and clean waste waters, not aggressive.
Maximum working temperature
+40°C with the motor out of the water.
Free passage through the suction grid 10 mm.
Maximum immersion depth 7 mt.
Protection level IP 68.
Insulation class F.
Installation fixed or portable, in a vertical position.

PANELS PAG. 245
ACCESSORIES PAG. 235

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA												DNM GAS	FREE PASSAGE mm	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m³h	0	3	6	9	12	15	18	24							
				kW	HP		Q=l/min	0	50	100	150	200	250	300	400							
DRENAG 1000 M-A	103041000	1X230 V~	1,29	1	1,36	6	H (m)	15,3	13,7	12,1	10,5	8,7	6,8	4,7		1"½	10	17	24
DRENAG 1000 M-NA	103041010	1X230 V~	1,29	1	1,36	6		15,3	13,7	12,1	10,5	8,7	6,8	4,7		1"½	10	17	24
DRENAG 1000 T-NA	103041020	3X400 V~	1,18	1	1,36	2,43		15,3	13,7	12,1	10,5	8,7	6,8	4,7		1"½	10	17	24
DRENAG 1200 M-A	103041040	1X230 V~	1,85	1,2	1,6	7,5		17	15,4	13,8	12,4	10,7	9	7,3	3,3	1"½	10	18,5	24
DRENAG 1200 M-NA	103041050	1X230 V~	1,85	1,2	1,6	7,5		17	15,4	13,8	12,4	10,7	9	7,3	3,3	1"½	10	18,5	24
DRENAG 1200 T-NA	103041060	3X400 V~	1,65	1,2	1,6	3,24		17	15,4	13,8	12,4	10,7	9	7,3	3,3	1"½	10	18,5	24

A: automatic with float
NA: non automatic without float
T: three-phase

DRENAG 1400 - 1800

SUBMERSIBLE PUMPS

FAMCO

CONTROL MDN *

Submersible pump with cast iron pump body, motor casing and adjustment ring impeller. Cast iron adjustment disk coated with abrasion-proof rubber. Stainless steel shaft, handle, filter, bolts and screws. Silicon/carbide mechanical seal, inspectionable oil chamber. Continuous duty submersible induction motor, in a watertight casing. Rotor mounted on oversized greased sealed-for-life ball bearings. THERMAL
PROTECTION in the windings, to be connected to the control panel. 10 mt of neoprene rubber power cable.

***In order to operate, the pumps must be equipped with a control and protection system, supplied separately and not connected to the electropumps(see panels)**

Operating range from 6 to 33 m³/h with head up to 19,2 mt for the single-phase version and 21,5 mt for the three-phase version.

Liquid quality requirements
sandy, muddy or sludgy water from building sites, clean waste water, rain water, ground water, fountain, river or lake water, always non aggressive

Liquid temperature range from 0°C to +55°C

Free passage through the suction grid 12 mm

Maximum immersion depth 10 mt

Installation fixed or portable in a vertical position

Liquid temperature range from 0°C to +55°

PANELS PAG. 245 ACCESSORIES PAG. 235

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNM GAS	FREE PASSAGE mm	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	6	9	12	15	18	24	30	36				
							Q=l/min	0	100	150	200	250	300	400	500	600				
DRENAG 1400 M	103010040	1X230 V~	2	1,1	1,5	9,2	H (m)	19,2	17	15,9	14,6	13,5	12,1	9	5,5		2"	12	44,2	6
DRENAG 1800 T	103010160	3X400 V~	2,3	1,5	2,0	4,4		21,5	20	19	18	16,5	15,2	12	8,5	4,5	2"	12	44	6

M= single phase **T**= three phase

DRENAG 1600 - 2000 - 2500 - 3000

SUBMERSIBLE PUMPS

Submersible centrifugal pump with **ADJUSTMENT RING IMPELLER** suitable for lifting water from drainage waste containing solids having maximum size of **5 mm**. Top cover and motor body in anodized die cast aluminium. Impeller in ENGJL 200 cast iron. Pump body in ENGJL 200 cast iron. Double mechanical seals in oil chamber: motor side carbon/alumina, pump side in silicon carbide/silicon carbide. Dry type asynchronous sealed motor. Rotor mounted on ball bearings to ensure silent running and long life. In the single phase version capaticor is supplied in external control box equipped with current protection

Protection level IP 68

Insulation class F
Continuous duty, with completely immersed pump. The single-phase version can be equipped with float switch for automatic starting and stopping of the pump. Supplied as standard with 10 metre H07RN-F power cable.

Operating range
from 3 to 66 m³/h with head up to 17 mt

Liquid quality requirements
Clear drain not aggressive water

Liquid temperature range from 0° to + 40°

Maximum immersion depth 10 mt

Installation portable, in vertical position

Free passage through the suction grid
5 mm

PANELS PAG. 245 ACCESSORIES PAG. 235

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA															DNM GAS	FREE PASSAG. mm	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	3	6	9	12	15	18	24	30	36	42	48	54	60	66				
							Q=l/min	0	50	100	150	200	250	300	400	500	600	700	800	900	1000	1100				
DRENAG 1600 MA	60141710	1X230 V~	1,6	1,1	1,5	7,4	H (m)	8	7,6	7,2	7	6,7	6,4	6	5,3	4,7	3,9	2,8					2" ½	5	23,5	8
DRENAG 1600 T-NA	60141711	3X400 V~	1,6	1,1	1,5	3		8	7,6	7,2	7	6,7	6,4	6	5,3	4,7	3,9	2,8					2" ½	5	23,5	8
DRENAG 2000 T-NA	60141712	3X400 V~	2	1,4	1,9	4,1		10,8	10,5	10,3	10	9,7	9,4	9,1	8,4	7,4	6,4	5,3	4,2	2,9			2" ½	5	23,5	8
DRENAG 2500 T-NA	60141713	3X400 V~	3,1	1,8	2,4	5,3		15	14,4	13,9	13,5	13,1	12,8	12,4	11,7	10,9	9,9	8,9	7,9	6,7	5,3	3,9	2" ½	5	24	8
DRENAG 3000 T-NA	60141714	3X400 V~	3,5	2,2	2,9	6,2		18,2	17,9	17,6	17,2	16,8	16,4	15,9	14,9	14	12,9	12	10,9	9,9	8,2	6,2	2" ½	5	26	8

A= automatic with float **NA**= non automatic without float

DAB PUMPS reserves the right to make modifications without notice

DIVER 6

MULTISTAGE SUBMERSIBLE PUMPS

FAMCO

Multi-stage powerful submersible pumps ideal for rain water systems, operating sprinklers, pumping water from tanks, cisterns, ponds and other applications that require high pressure.
Available with 2, 3 and 4 impellers. Suitable to pump clear water.
Anti-corrosive and rust-proof materials.
Motor with thermic overload protection.
Wear resistant shaft.
Anti-debris stainless steel strainer.
Excellent cooling of the motor that enables the pump to operate even when it is partially submersible.
Automatic version with start/ stop float switch.
Supplied with power cable with plug, non return valve and 4-step fitting.

Operating range from 1 to 5,4 m³/h with head up to 46 metres.
Pumped liquid clean, free of solids and abrasives, non-aggressive.
Liquid temperature range from 0 °C to +35 °C.
Max. immersion depth 12 metres.
Motor protection class IP 68.
Motor protection rating F.
Installation fixed or portable, vertical position.
Operation manual or automatic with float switch (continuous duty with totally submerged pump).
Discharge port diameter 1".
Pump maximum diameter 150 mm.

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA										Ø	CABLE LENGTH M.
		VOLTAGE 50 Hz	P2 NOMINAL		Q m³/h	0	0,9	1,8	2,7	3,6	4,5	5,1	5,4			
			kW	HP	l/min	0	15	30	45	60	75	85	90			
DIVER 6 - 600 M-A	60122630	1 x 230 V	0,55	0,75	H (m)	24	22	19,5	16,2	12,5	7,5	3,7	1,5	1"	15
DIVER 6 - 700 M-A	60122631	1 x 230 V	0,65	0,88		36	32,6	28,5	23,6	17	9,5	4,6	1,8	1"	15
DIVER 6 - 800 M-A	60122632	1 x 230 V	0,75	1		46	41	35,5	29,2	21,8	13,5	7,8	3,5	1"	15

DIVERTRON

ELECTRONIC MULTISTAGE SUBMERSIBLE PUMPS

DIVERTRON

DIVERTRON X

Submersible multistage pumps with built-in integrated electronics, designed to automatically start and stop the pump.
Built-in electronic board, pressure switch and flow sensor.
Equipped with dry-run protection.
Built-in non return valve.
Easy to use.
High reliability.
Available with 3 or 4 impellers
Supplied with 15 m power cord.
Available with screen filter or stainless steel ring for use of suction kit.

Installation recommended with auxiliary tank. (page 304)

Operating range from 1 to 5,4 m³/h with head up to 46 metres.
Pumped liquid clean, free of solids and abrasives, non-aggressive.
Liquid temperature range from 0 °C to +35 °C.
Max. immersion depth 12 metres.
Motor protection class IP 68.
Motor protection rating F.
Installation fixed or portable, vertical position.
Operation Manual or automatic with electronic ON/OFF (continuous duty with totally submerged pump).
Discharge port diameter 1".
Pump maximum diameter 150 mm.

ACCESSORIES PAG. 301

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA										Ø	CABLE LENGTH M.
		VOLTAGE 50 Hz	P2 NOMINAL		Q m³/h	0	0,9	1,8	2,7	3,6	4,5	5,1	5,4			
			kW	HP	l/min	0	15	30	45	60	75	85	90			
DIVERTRON 1000 M	60122623	1 x 230 V	0,55	0,75	H (m)	36	32,6	28,5	23,6	17	9,5	4,6	1,8	1"	15
DIVERTRON X 1000 M	60122625	1 x 230 V	0,55	0,75		36	32,6	28,5	23,6	17	9,5	4,6	1,8	1"	15
DIVERTRON 1200 M	60122626	1 x 230 V	0,75	1		46	41	35,5	29,2	21,8	13,5	7,8	3,5	1"	15
DIVERTRON X 1200 M	60122627	1 x 230 V	0,75	1		46	41	35,5	29,2	21,8	13,5	7,8	3,5	1"	15

KIT DIVERTRON X

MODEL	CODE
DIVERTRON 1000 X + 1 M SUCTION KIT	60165968
DIVERTRON 1200 X + 1 M SUCTION KIT	60165972

DAB PUMPS reserves the right to make modifications without notice