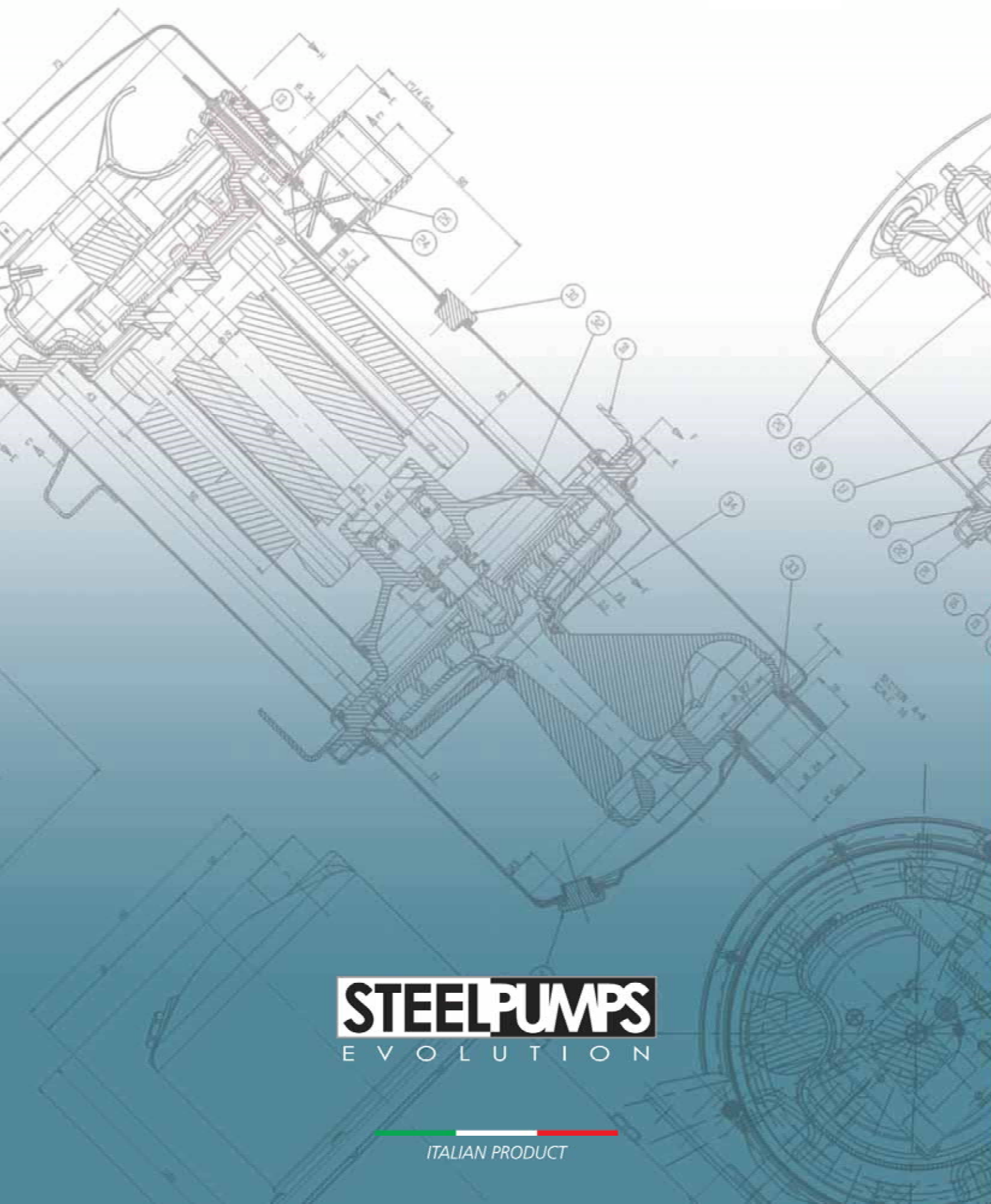


TECHNICAL BOOK

2012



STEELPUMPS
EVOLUTION

— — —
ITALIAN PRODUCT

TECHNICAL BOOK

2012

PROGRAM AND APPLICATIONS

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Main applications

							
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LEGEND :



Water supply



Rainwater employment



Irrigation and water plays



Water supply from tank and well



Hot-water heating



Booster sets



Car wash



Industrial use



Marine use



Food use



Pumping of sewage and dirty water



Well suction

Code **X-AJE P**

Self-priming Jet centrifugal pump with electronic system

PLUS

Up/Down technology for submersed, surface or underground installation
 Automatic system of water supply; dry-running protection
 Antiblocking system every 72 hours of pump inactivity
 Protection rating IP 68

MATERIALS

Motor body: Aisi 304
 Technopolymer flange and pump body
 Shaft: Aisi 420
 Diffuser, Impeller and Venturi Jet: Noryl
 Rear cap: Polypropilene
 Basis: Aisi 304
 Mechanical seal: Graphite ceramics
 Mechanical seal lubricated by a special oil chamber
 A2 Stainless steel bolts
 NBR70 O-ring
 H07RN-F Electric cable 10m length with Schuko plug
 Tropicalized circuit board in compliance with the RoHS directive

ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. μ F
	kW	HP	230V	400V	230 V	
X-AJE 80P	0.60	0.8	2.2	1.5	4.5	16
X-AJE 100P	0.75	1	3	1.9	5.3	16
X-AJE 120P	0.90	1.2	3.6	2.3	6.3	18
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

Code	Q (l/min) FLOW							
	0	10	20	30	40	50	60	
	H HYDRAULIC HEAD							
X-AJE 80P	m	40	33	30	24	20	15	
X-AJE 100P		47	40	35	30	25	20	5
X-AJE 120P		49	43	38	32	30	24	8

CHARACTERISTICS AND INSTALLATION

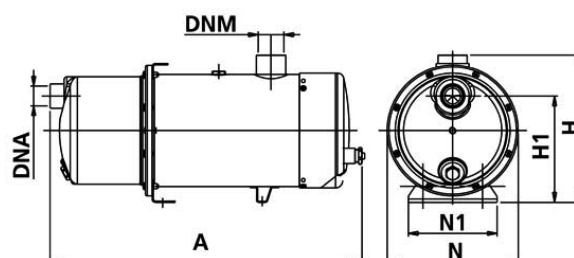
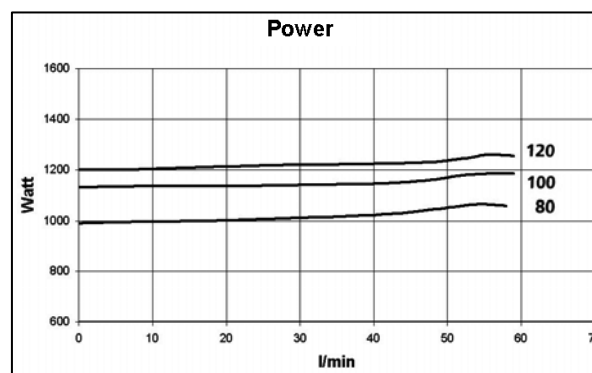
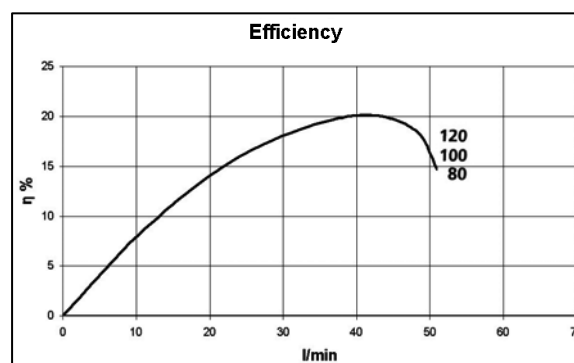
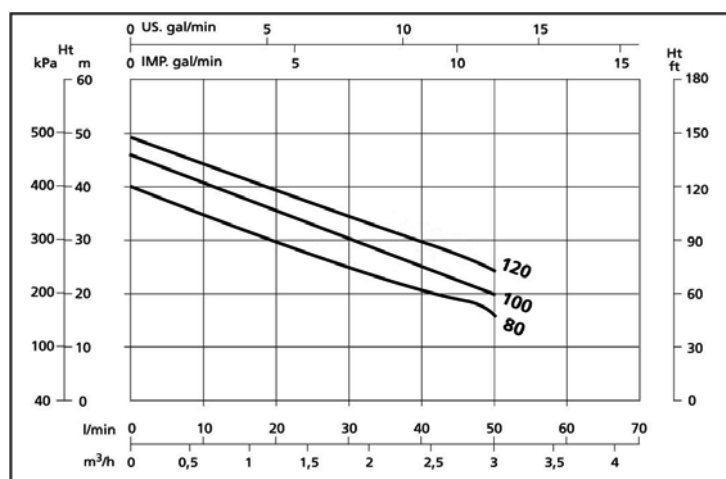
Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight kg
	A	N	H	H1	N1	DNM	DNA	
X-AJE 80P	447	200	226	163	136	1 1/4"	1"	11.5
X-AJE 100P	477	200	226	163	136	1 1/4"	1"	12
X-AJE 120P	477	200	226	163	136	1 1/4"	1"	13



CHECK VALVE INCLUDED



Code **X-AJE P FLO**

Self-priming Jet centrifugal pump with electronic system and float switch



DESCRIPTION

The pump with float switch allows having more reliability against the dry running. This system enables the pump to restart automatically without disconnecting the electrical connections. This is possible because the float switch does not feed the pump motor when the water level is lower than the set safety one but allows power to be fed to the pump when the level is higher.

This guarantees that the pump does not run dry during aspiration.

The user will set the safety level based on the local installation simply by connecting the electrical cable to the tank and setting the last tie of the floating cable.



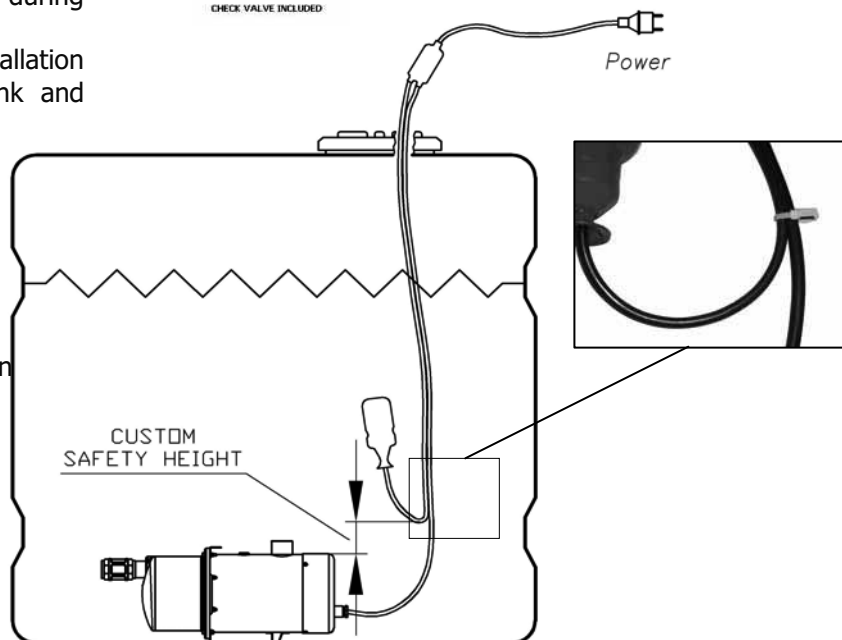
CHECK VALVE INCLUDED

PLUS

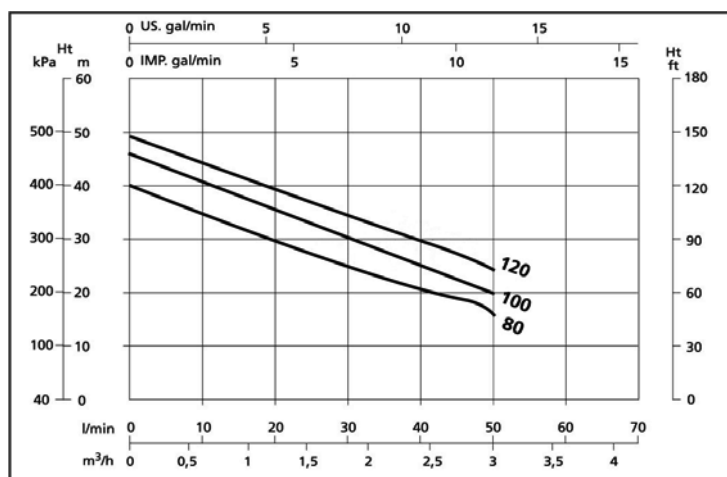
Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Motor body: Aisi 304
Technopolymer flange and pump body
Shaft: Aisi 420
Diffuser, Impeller and Venturi Jet: Noryl
Rear cap: Polypropilene
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive



Tank installation



ELECTRICAL FEATURES

	P2		3~ 50Hz		1~ 50Hz	
Code	Nom.		Amp.		Amp.	Cap.
	kW	HP	230V	400V	230 V	μF
X-AJE B 80	0.60	0.8	2.2	1.5	4.5	16
X-AJE B 100	0.75	1	3	1.9	5.3	16
X-AJE B 120	0.90	1.2	3.6	2.3	6.3	18
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

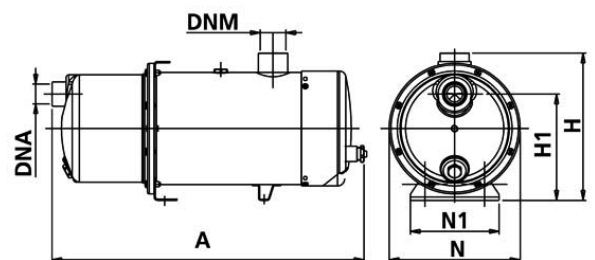
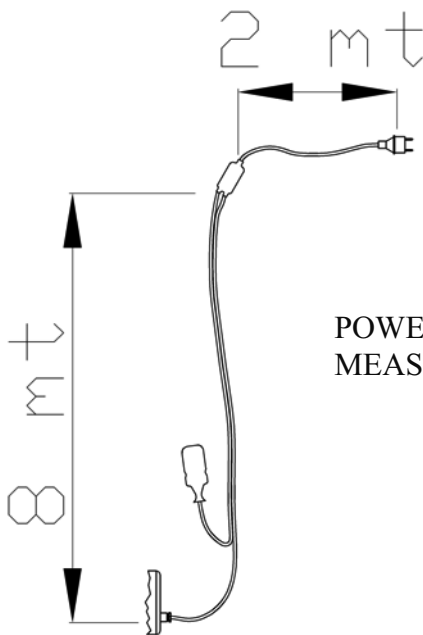
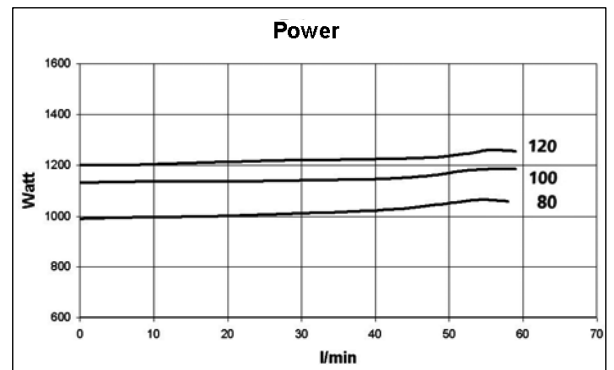
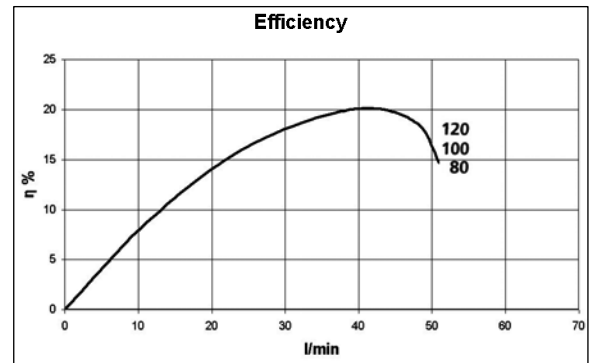
		Q (l/min) FLOW						
Code		0	10	20	30	40	50	60
		H HYDRAULIC HEAD						
X-AJE B 80	m	40	33	30	24	20	15	
X-AJE B 100		47	40	35	30	25	20	5
X-AJE B 120		49	43	38	32	30	24	8

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight
	A	N	H	H1	N1	DNM	DNA	kg
X-AJE B 80	447	200	226	163	136	1"¼	1"	14,5
X-AJE B 100	477	200	226	163	136	1"¼	1"	15
X-AJE B 120	477	200	226	163	136	1"¼	1"	16



Code **X-AJE P CE**

Self-priming Jet centrifugal pump with electronic system and float switch

DESCRIPTION

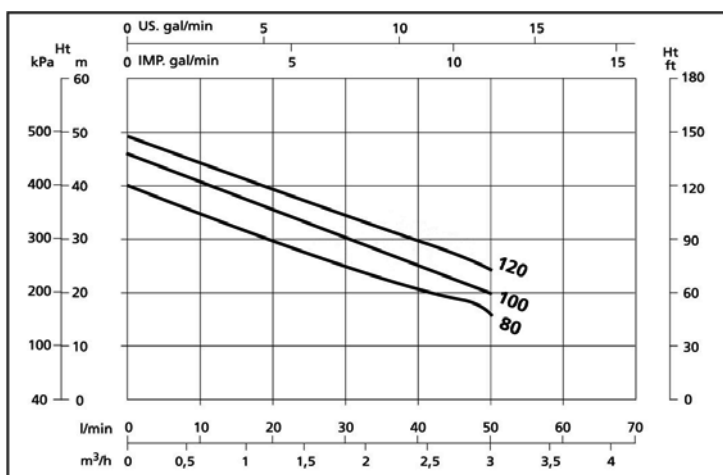
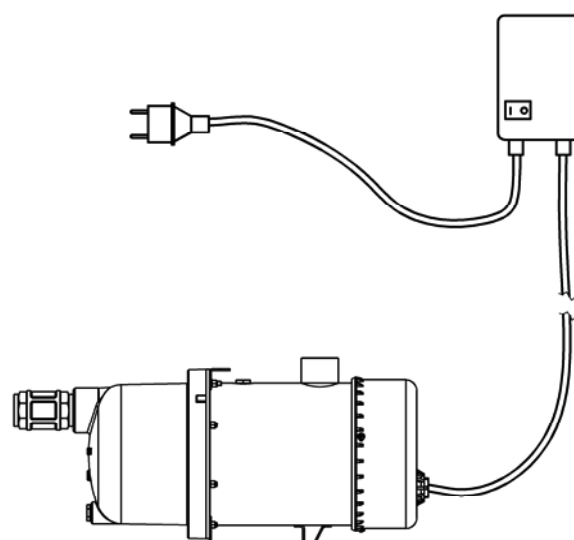
The version of the pump with external capacitor allows easy maintenance of the starting capacitor.

PLUS

Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Motor body: Aisi 304
Technopolymer flange and pump body
Shaft: Aisi 420
Diffuser, Impeller and Venturi Jet: Noryl
Rear cap: Polypropilene
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS Directive
Capacitor Case: Protection rating IP55



ELECTRICAL FEATURES

	P2		3~ 50Hz		1~ 50Hz	
Code	Nom.		Amp.		Amp.	Cap.
	kW	HP	230V	400V	230 V	μF
X-AJE 80P CE	0.60	0.8	2.2	1.5	4.5	16
X-AJE 100P CE	0.75	1	3	1.9	5.3	16
X-AJE 120P CE	0.90	1.2	3.6	2.3	6.3	18
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

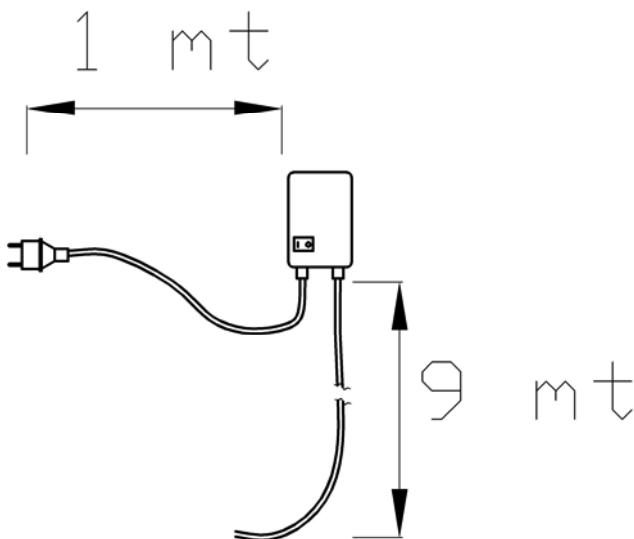
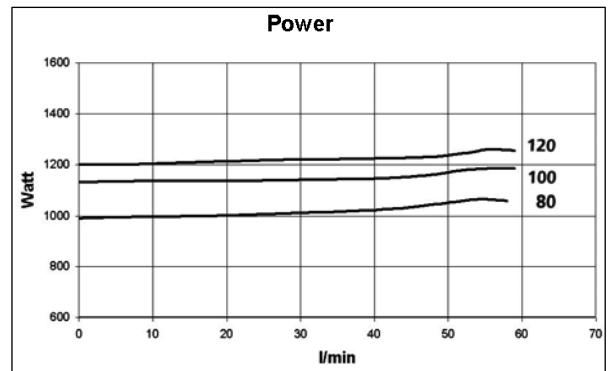
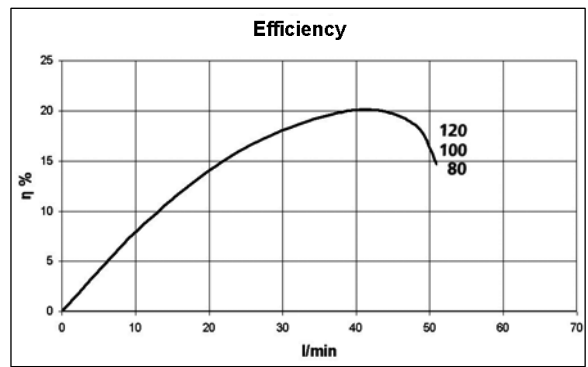
Code		Q (l/min) FLOW					
		0	10	20	30	40	50
	m	H HYDRAULIC HEAD					
		40	33	30	24	20	15
		47	40	35	30	25	20
		49	43	38	32	30	24

CHARACTERISTICS AND INSTALLATION

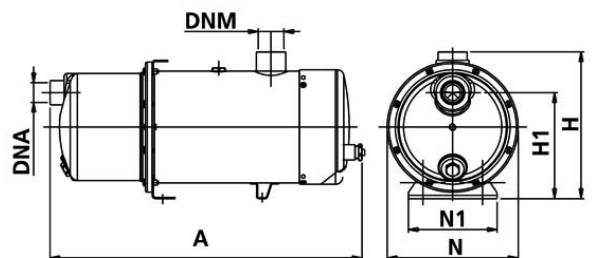
Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight
	A	N	H	H1	N1	DNM	DNA	kg
X-AJE 80P CE	447	200	226	163	136	1"¼	1"	11.5
X-AJE 100P CE	477	200	226	163	136	1"¼	1"	12
X-AJE 120P CE	477	200	226	163	136	1"¼	1"	13



POWER CABLE
MEASURES



Code **X-A2C P**

Centrifugal double impeller pump with electronic system

PLUS

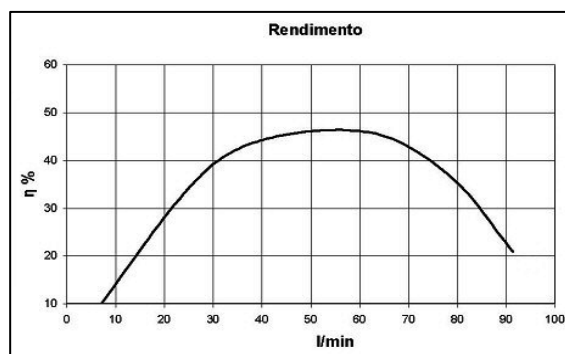
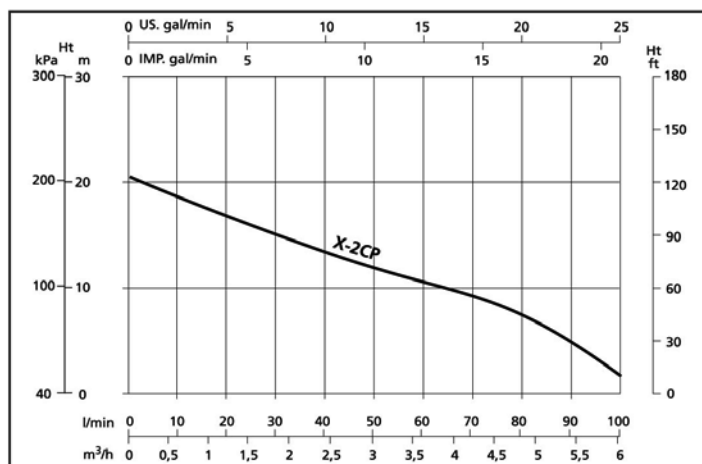
Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Motor body: Aisi 304
Technopolymer flange and pump body
Shaft: Aisi 420
Diffuser, Impeller and Venturi Jet: Noryl
Rear cap: Polypropilene
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive



CHECK VALVE INCLUDED



ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. µF
	kW	HP	230V	400V	230 V	
X-A2C P	0.60	0.8	2.4	1.6	4.8	16
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

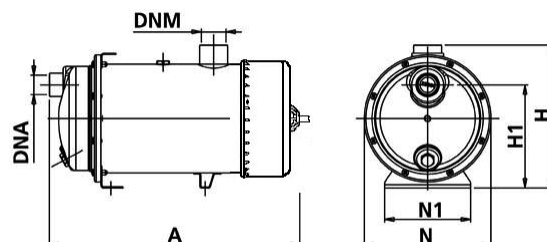
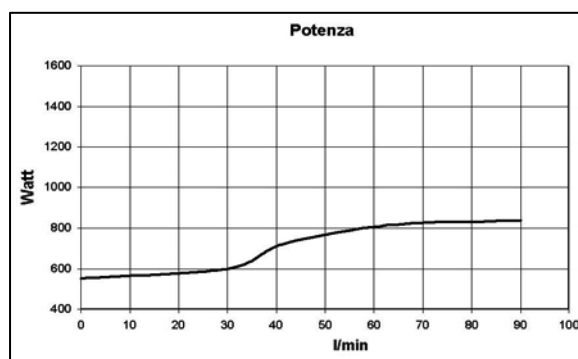
Code	Q (l/min) FLOW								
		0	30	40	50	60	70	80	90
	Stadi	H (m) HYDRAULIC HEAD							
X-A2C P	2	21	15	14	12	10	9	8	4

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	0.8 bar

MEASUREMENTS

Code	Measures							Weight kg
	A	N	H	H1	N1	DNM	DNA	
X-A2C P	396	200	226	163	136	1 1/4"	1"	12



Code **X-AJE B**

Self-priming Jet centrifugal pump with electronic system

PLUS

Up/Down technology for submersed, surface or underground installation
 Automatic system of water supply; dry-running protection
 Antiblocking system every 72 hours of pump inactivity
 Protection rating IP 68

MATERIALS

Pump and motor body: Aisi 304
 Technopolymer flange
 Shaft: Aisi 420
 Diffuser, Impeller and Venturi Jet: Noryl
 Rear cap: Polypropilene
 Basis: Aisi 304
 Mechanical seal: Graphite ceramics
 Mechanical seal lubricated by a special oil chamber
 A2 Stainless steel bolts
 NBR70 O-ring
 H07RN-F Electric cable 10m length with Schuko plug
 Tropicalized circuit board in compliance with the RoHS directive

ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. μ F
	kW	HP	230V	400V	230 V	
X-AJE 80B	0.60	0.8	2.2	1.5	4.5	16
X-AJE 100B	0.75	1	3	1.9	5.3	16
X-AJE 120B	0.90	1.2	3.6	2.3	6.3	18
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

Code	Q (l/min) FLOW							
	0	10	20	30	40	50	60	
	H HYDRAULIC HEAD							
X-AJE 80B	m	40	33	30	24	20	15	
X-AJE 100B		47	40	35	30	25	20	5
X-AJE 120B		49	43	38	32	30	24	8

CHARACTERISTICS AND INSTALLATION

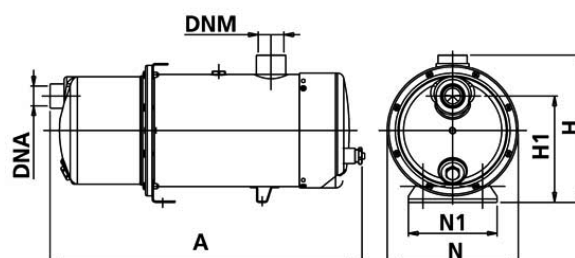
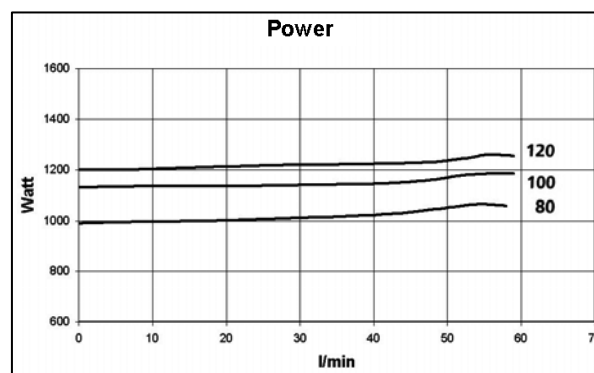
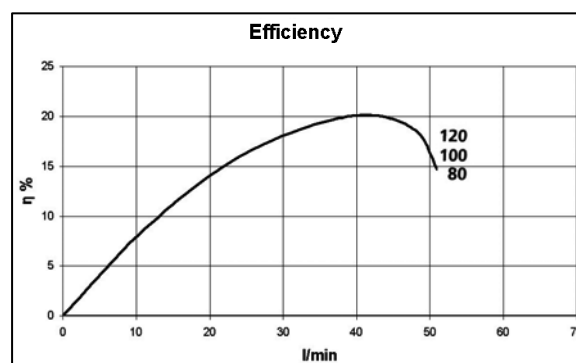
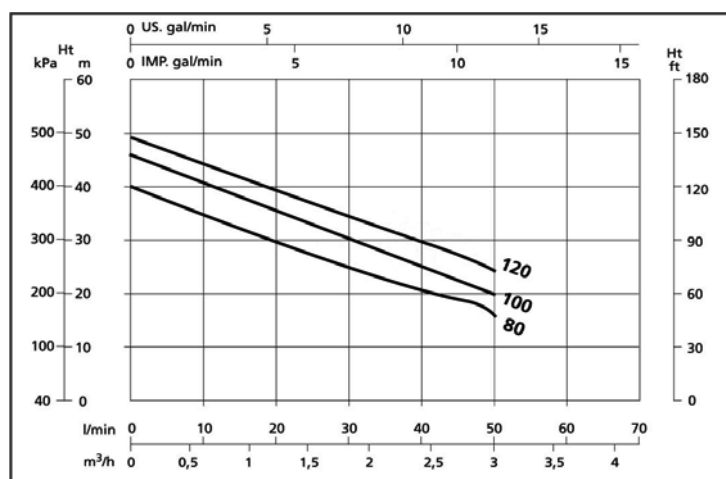
Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight kg
	A	N	H	H1	N1	DNM	DNA	
X-AJE 80B	447	200	226	163	136	1 1/4"	1"	11.5
X-AJE 100B	477	200	226	163	136	1 1/4"	1"	12
X-AJE 120B	477	200	226	163	136	1 1/4"	1"	13



CHECK VALVE INCLUDED



Code **X-AJE B FLO**

Self-priming Jet centrifugal pump with electronic system and float switch



DESCRIPTION

The pump with float switch allows having more reliability against the dry running. This system enables the pump to restart automatically without disconnecting the electrical connections. This is possible because the float switch does not feed the pump motor when the water level is lower than the set safety one but allows power to be fed to the pump when the level is higher.

This guarantees that the pump does not run dry during aspiration.

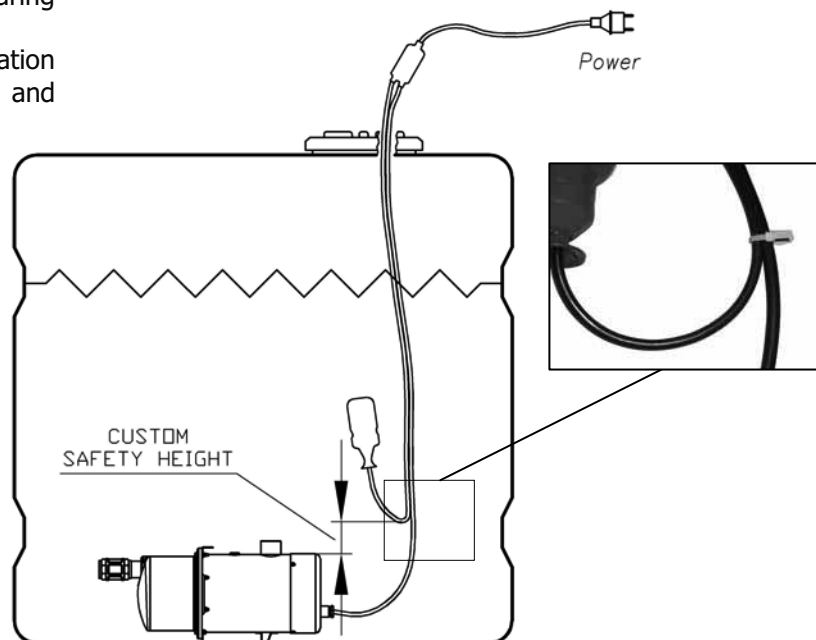
The user will set the safety level based on the local installation simply by connecting the electrical cable to the tank and setting the last tie of the floating cable.

PLUS

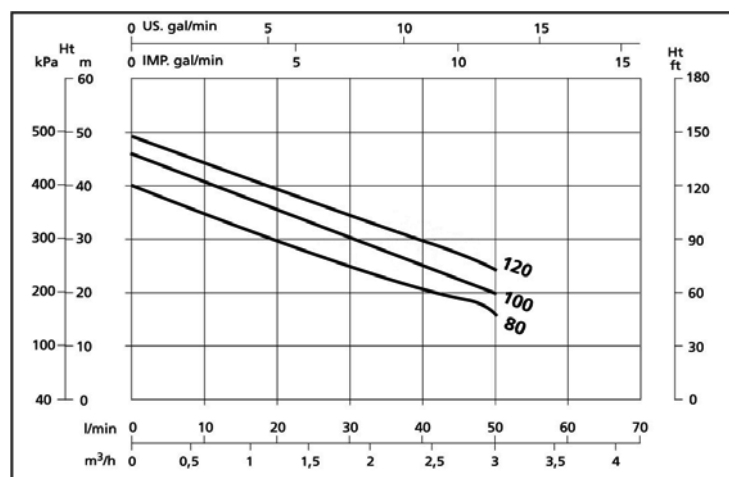
Up/Down technology for submersed, surface or underground installation
 Automatic system of water supply; dry-running protection
 Antiblocking system every 72 hours of pump inactivity
 Protection rating IP 68

MATERIALS

Pump and motor body: Aisi 304
 Technopolymer flange
 Shaft: Aisi 420
 Diffuser, Impeller and Venturi Jet: Noryl
 Rear cap: Polypropilene
 Basis: Aisi 304
 Mechanical seal: Graphite ceramics
 Mechanical seal lubricated by a special oil chamber
 A2 Stainless steel bolts
 NBR70 O-ring
 H07RN-F Electric cable 10mt length with Schuko plug
 Float switch cable 10mt lenght
 Die-cast electric connection in polyurethane with protection rating IP54
 Tropicalized circuit board in compliance with the RoHS directive



Tank installation



ELECTRICAL FEATURES

	P2		3~ 50Hz		1~ 50Hz	
Code	Nom.		Amp.		Amp.	Cap.
	kW	HP	230V	400V	230 V	μF
X-AJE B 80	0.60	0.8	2.2	1.5	4.5	16
X-AJE B 100	0.75	1	3	1.9	5.3	16
X-AJE B 120	0.90	1.2	3.6	2.3	6.3	18
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

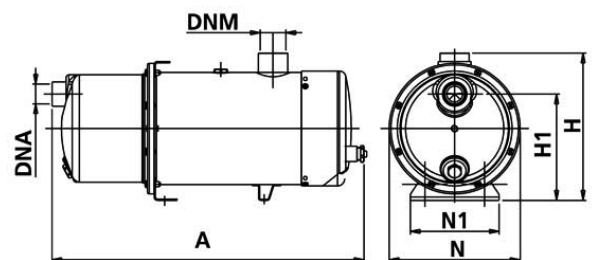
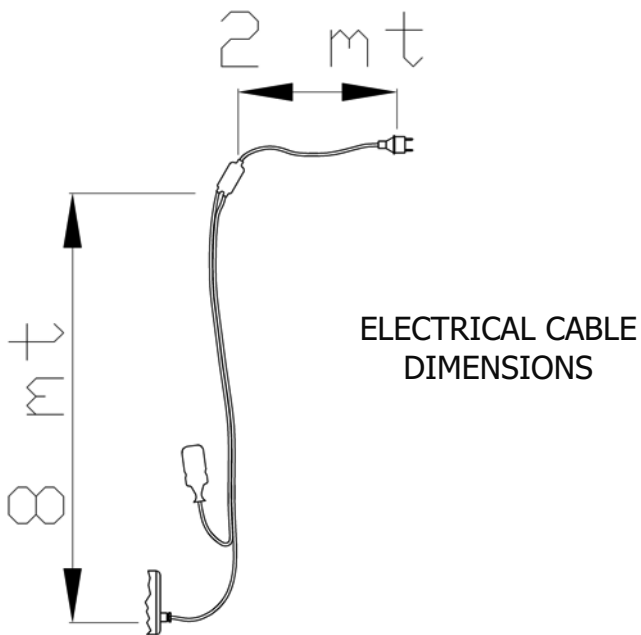
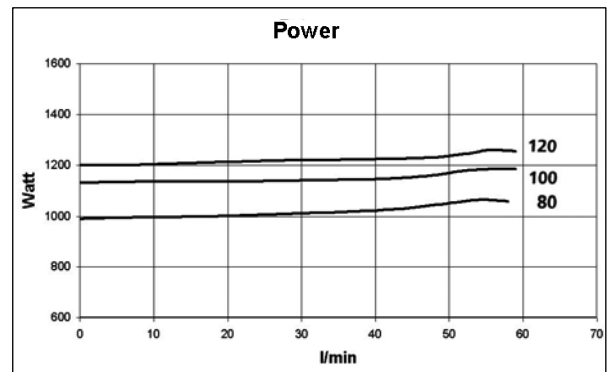
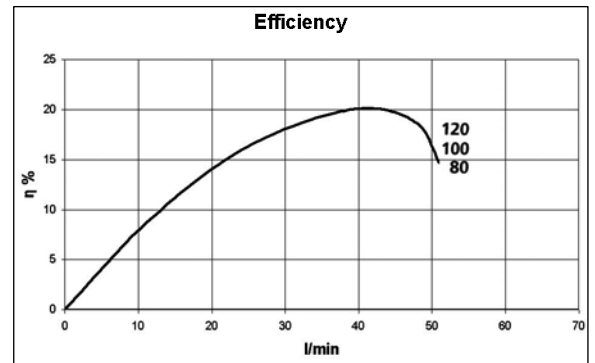
		Q (l/min) FLOW						
Code		0	10	20	30	40	50	60
		H HYDRAULIC HEAD						
X-AJE B 80	m	40	33	30	24	20	15	
X-AJE B 100		47	40	35	30	25	20	5
X-AJE B 120		49	43	38	32	30	24	8

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight
	A	N	H	H1	N1	DNM	DNA	kg
X-AJE B 80	447	200	226	163	136	1"¼	1"	14,5
X-AJE B 100	477	200	226	163	136	1"¼	1"	15
X-AJE B 120	477	200	226	163	136	1"¼	1"	16



Code **X-AJE B CE**

Self-priming Jet centrifugal pump with electronic system and external capacitor

DESCRIPTION

The version of the pump with external capacitor allows easy maintenance of the starting capacitor.

PLUS

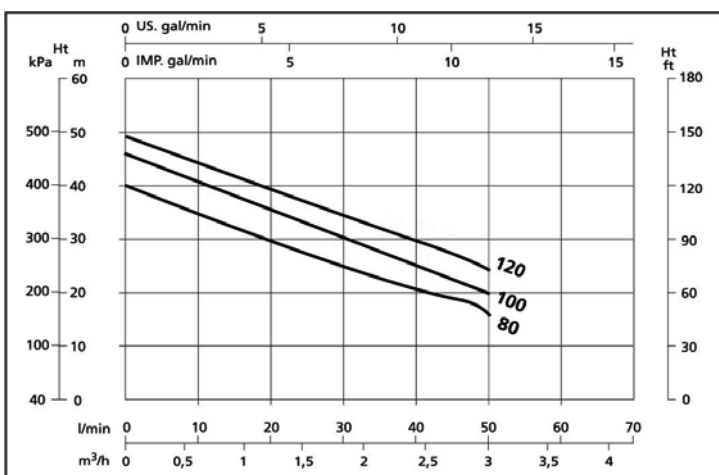
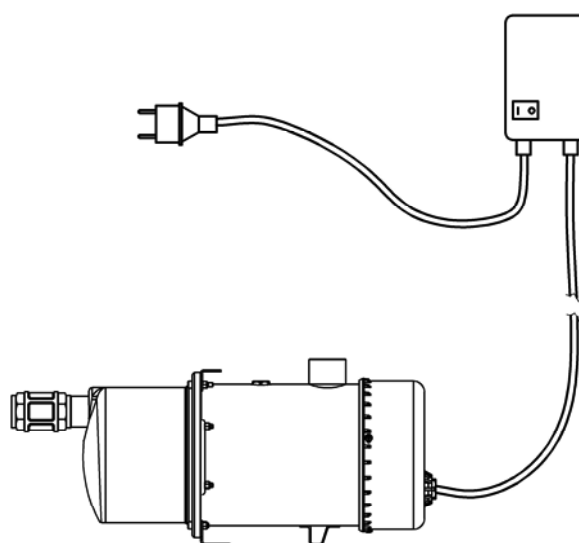
Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Pump and motor body: Aisi 304
Technopolymer flange
Shaft: Aisi 420
Diffuser, Impeller and Venturi Jet: Noryl
Rear cap: Polypropilene
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive
Capacitor case: Protection rating IP55



CHECK VALVE INCLUDED



ELECTRICAL FEATURES

	P2		3~ 50Hz		1~ 50Hz	
Code	Nom.		Amp.		Amp.	Cap.
	kW	HP	230V	400V	230 V	μF
X-AJE 80B CE	0.60	0.8	2.2	1.5	4.5	16
X-AJE 100B CE	0.75	1	3	1.9	5.3	16
X-AJE 120B CE	0.90	1.2	3.6	2.3	6.3	18
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

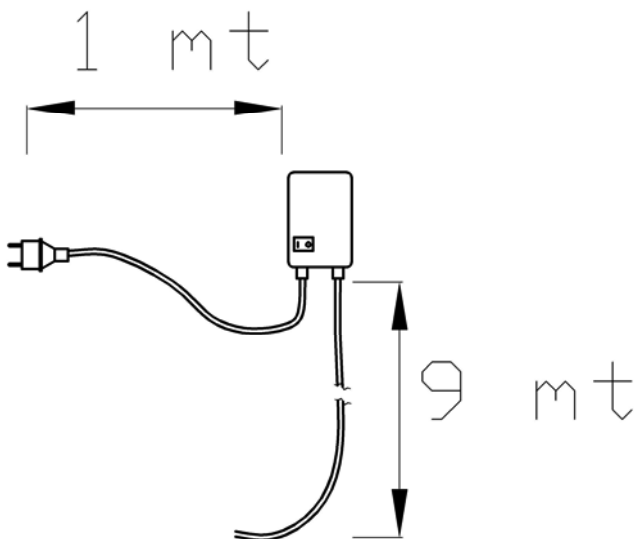
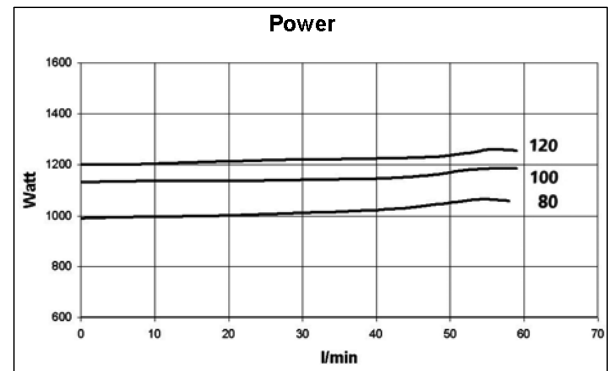
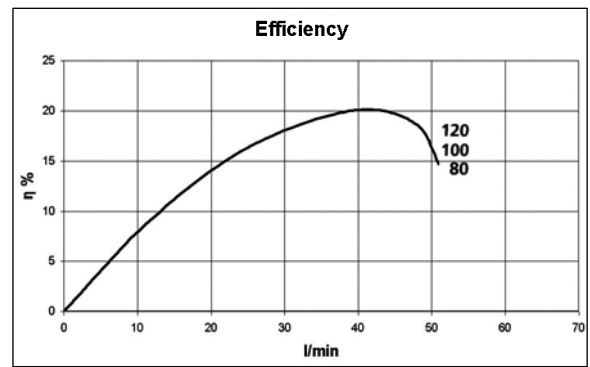
Code		Q (l/min) FLOW					
		0	10	20	30	40	50
	m	H HYDRAULIC HEAD					
		40	33	30	24	20	15
		47	40	35	30	25	20
		49	43	38	32	30	24

CHARACTERISTICS AND INSTALLATION

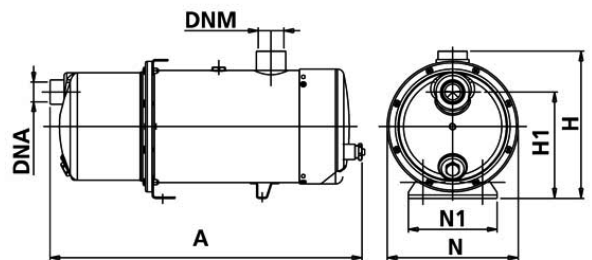
Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight
	A	N	H	H1	N1	DNM	DNA	kg
X-AJE 80B CE	447	200	226	163	136	1 1/4"	1"	11.5
X-AJE 100B CE	477	200	226	163	136	1 1/4"	1"	12
X-AJE 120B CE	477	200	226	163	136	1 1/4"	1"	13



POWER CABLE
MEASURES



Code **X-MN B**

Single impeller centrifugal pump

PLUS

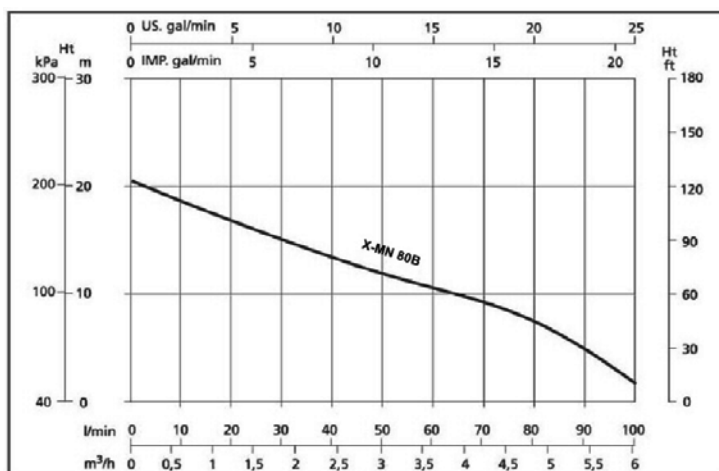
Up/Down technology for submersed, surface or underground installation
 Medium sprinkling and sliding irrigations
 Depletion and puring off of tanks
 Protection rating IP 68

MATERIALS

Pump and motor body: Aisi 304
 Technopolymer flange
 Shaft: Aisi 420
 Diffuser, Impeller and Venturi Jet: Noryl
 Rear cap: Polypropilene
 Basis: Aisi 304
 Mechanical seal: Graphite ceramics
 Mechanical seal lubricated by a special oil chamber
 A2 Stainless steel bolts
 NBR70 O-ring
 H07RN-F Electric cable 10m length with Schuko plug

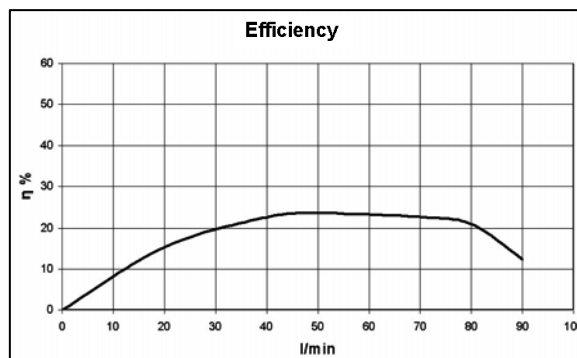


CHECK VALVE INCLUDED



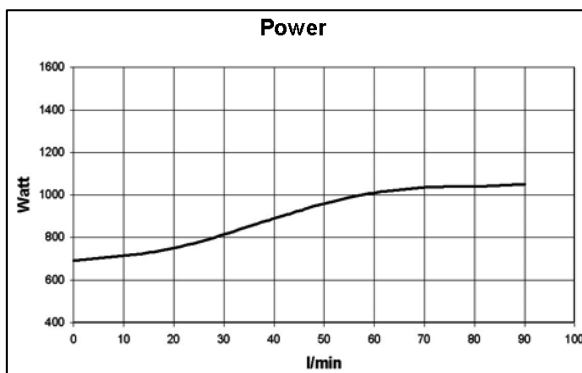
ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. μ F
	kW	HP	230V	400V	230 V	
X-MN 80B	0.60	0.8	2.2	1.5	4.8	16
Class F insulated motor			S1 Motor Service Factor			



HYDRAULIC FEATURES

Code	Q (l/min) FLOW						
		0	20	40	60	80	100
	H HYDRAULIC HEAD						
X-MN 80B	m	21	16	14	15	8	3

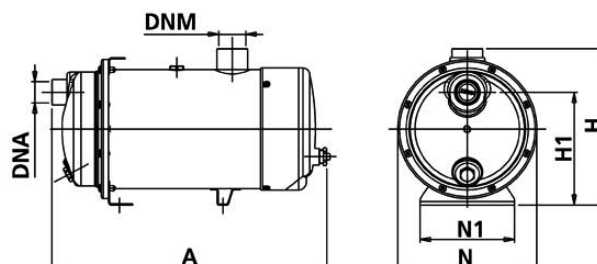


CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m

MEASUREMENTS

Code	Measures							Weight kg
	A	N	H	H1	N1	DNM	DNA	
X-MN 80B	396	200	226	163	136	1 1/4"	1"	12



Code **X-AMO B** Horizontal multistage pump with electronic system

PLUS

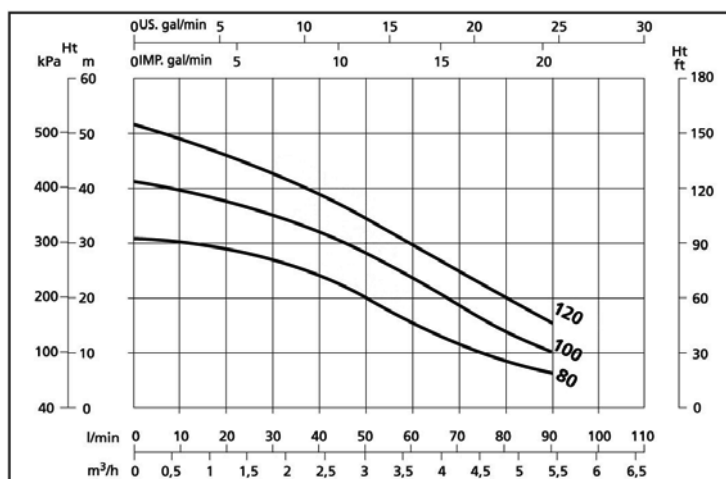
Up/Down technology for submersed, surface or underground installation
 Automatic system of water supply; dry-running protection
 Antiblocking system every 72 hours of pump inactivity
 Protection rating IP 68

MATERIALS

Pump, impellers and motor body: Aisi 304
 Motor flange: Technopolymer
 Shaft: Aisi 420
 Diffuser: Noryl
 Rear cap: Polypropilene
 Basis: Aisi 304
 Mechanical seal: Graphite ceramics
 Mechanical seal lubricated by a special oil chamber
 A2 Stainless steel bolts
 NBR70 O-ring
 H07RN-F Electric cable 10m length with Schuko plug
 Tropicalized circuit board in compliance with the RoHS directive



CHECK VALVE INCLUDED



ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. μ F
	kW	HP	230V	400V	230 V	
X-AMO 80B	0.60	0.8	2.4	1.6	5.15	16
X-AMO 100B	0.75	1	3	2	6.0	18
X-AMO 120B	0.90	1.2	3.3	2.5	7.2	20
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

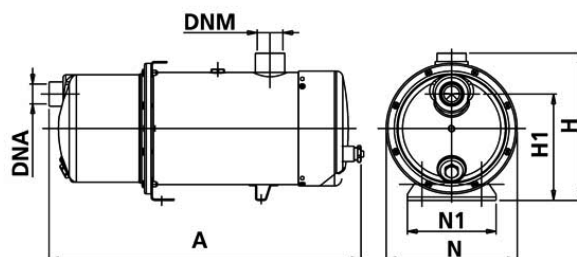
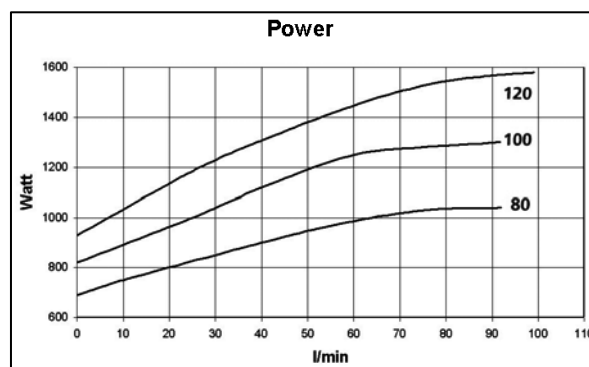
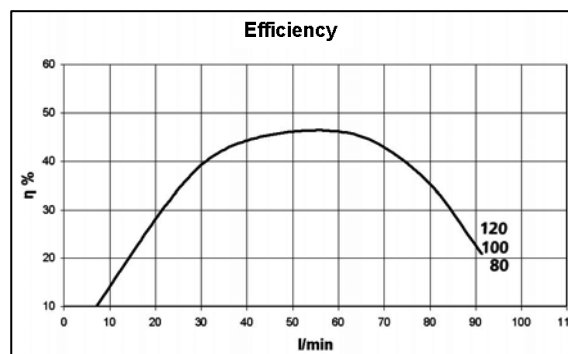
Code	Q (l/min) FLOW								
		0	30	40	50	60	70	80	90
	Stadi	H (m) HYDRAULIC HEAD							
X-AMO 80B	3	33	28	23	20	18	13	10	7
X-AMO 100B	4	42	35	30	28	24	18	15	10
X-AMO 120B	5	52	43	40	35	30	25	20	15

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight kg
	A	N	H	H1	N1	DNM	DNA	
X-AMO 80B	477	200	226	163	136	1 1/4"	1"	12.5
X-AMO 100B	477	200	226	163	136	1 1/4"	1"	13
X-AMO 120B	477	200	226	163	136	1 1/4"	1"	14



Code **X-AMO B FLO**

Horizontal multistage pump with electronic system and float switch


DESCRIPTION

The pump with float switch allows having more reliability against the dry running. This system enables the pump to restart automatically without disconnecting the electrical connections. This is possible because the float switch does not feed the pump motor when the water level is lower than the set safety one but allows power to be fed to the pump when the level is higher.

This guarantees that the pump does not run dry during aspiration.

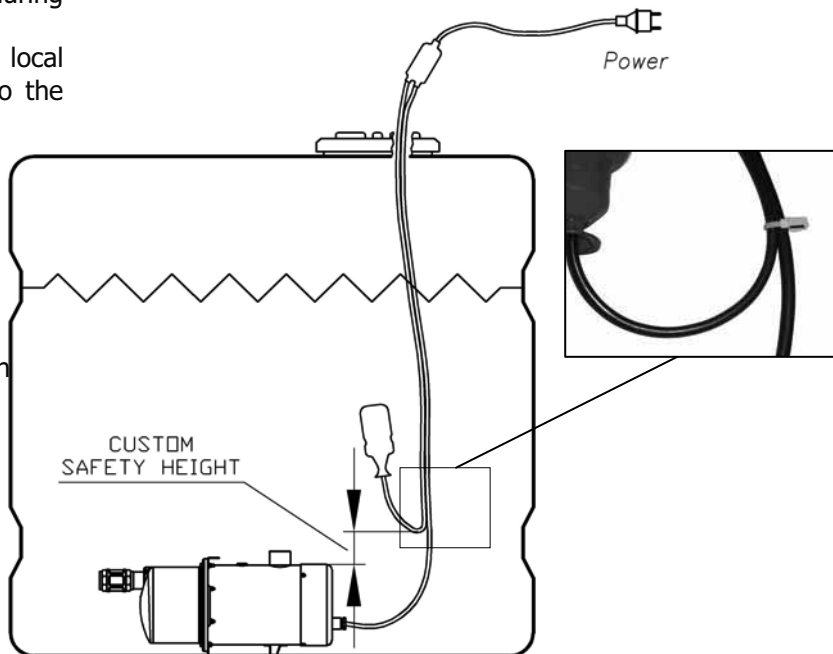
The user will set the safety level based on the local installation simply by connecting the electrical cable to the tank and setting the last tie of the floating cable.

PLUS

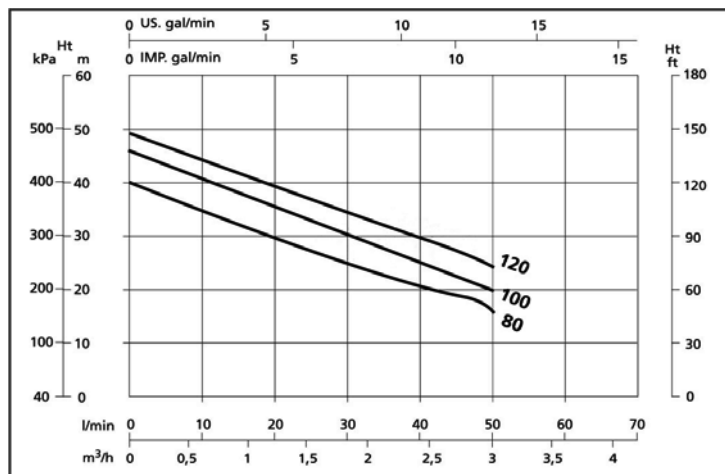
Up/Down technology for submersed, surface or underground installation
 Automatic system of water supply; dry-running protection
 Antiblocking system every 72 hours of pump inactivity
 Protection rating IP 68

MATERIALS

Pump and motor body: Aisi 304
 Technopolymer flange
 Shaft: Aisi 420
 Diffuser, Impeller and Venturi Jet: Noryl
 Rear cap: Polypropilene
 Basis: Aisi 304
 Mechanical seal: Graphite ceramics
 Mechanical seal lubricated by a special oil chamber
 A2 Stainless steel bolts
 NBR70 O-ring
 H07RN-F Electric cable 10m length with Schuko plug
 Tropicalized circuit board in compliance with the RoHS directive



Tank installation



ELECTRICAL FEATURES

	P2		3~ 50Hz		1~ 50Hz	
Code	Nom.		Amp.		Amp.	Cap.
	kW	HP	230V	400 V	230 V	μF
X-AMO 80B	0.60	0.8	2.4	1.6	5.15	16
X-AMO 100B	0.75	1	3	2	6.0	18
X-AMO 120B	0.90	1.2	3.3	2.5	7.2	20
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

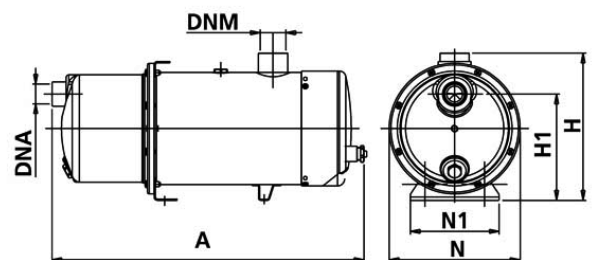
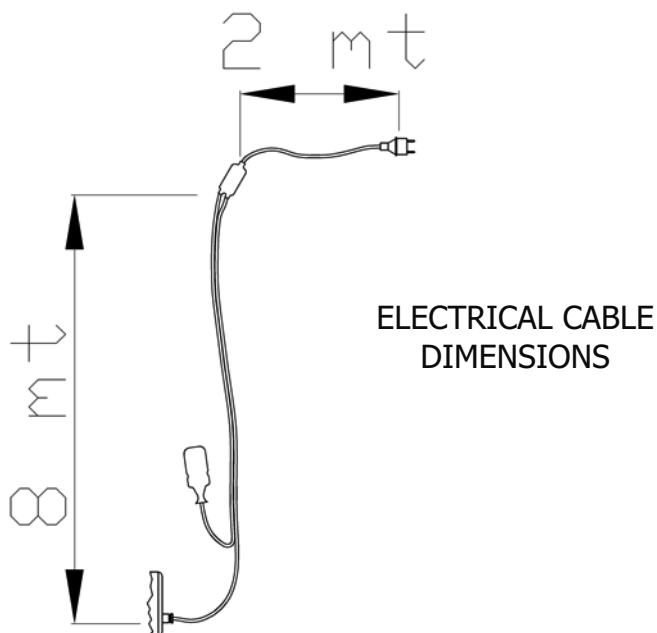
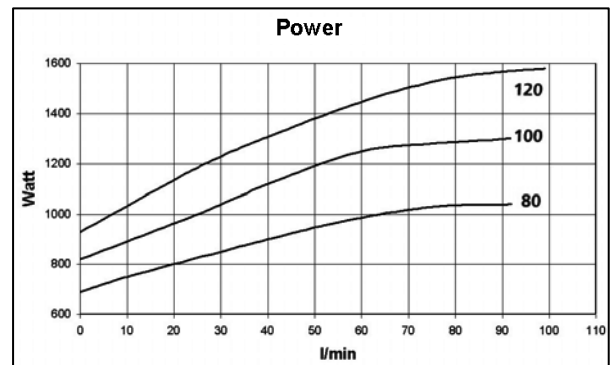
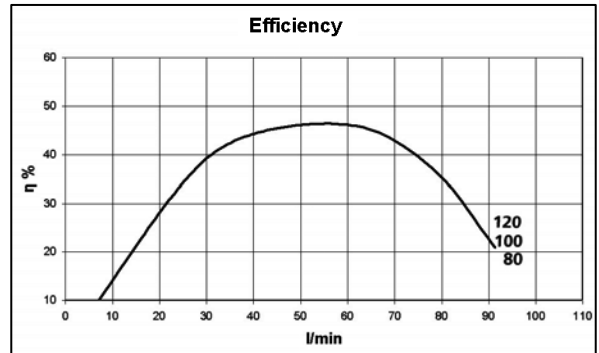
Code	Q (l/min) FLOW								
		0	30	40	50	60	70	80	90
	Stages	H HYDRAULIC HEAD							
X-AMO 80B	3	33	28	23	20	18	13	10	7
X-AMO 100B	4	42	35	30	28	24	18	15	10
X-AMO 120B	5	52	43	40	35	30	25	20	15

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight
	A	N	H	H1	N1	DNM	DNA	kg
X-AMO 80B	477	200	226	163	136	1 1/4"	1"	12.5
X-AMO 100B	477	200	226	163	136	1 1/4"	1"	13
X-AMO 120B	477	200	226	163	136	1 1/4"	1"	14



Code **X-AMO B CE**

Horizontal multistage pump with electronic system and external capacitor

DESCRIPTION

The version of the pump with external capacitor allows easy maintenance of the starting capacitor.

PLUS

Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

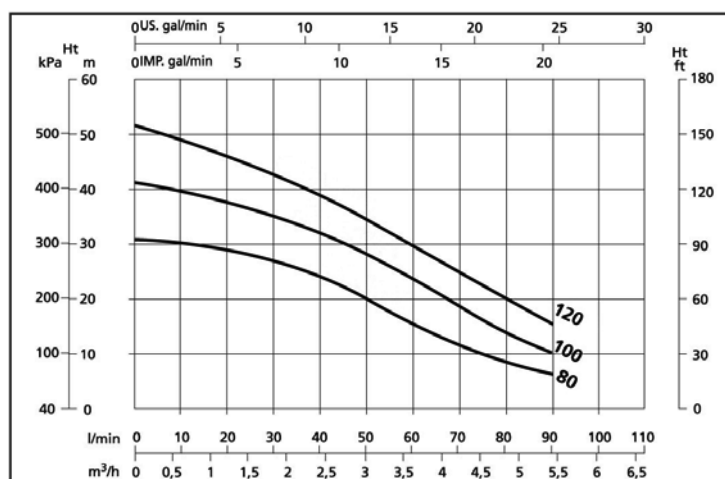
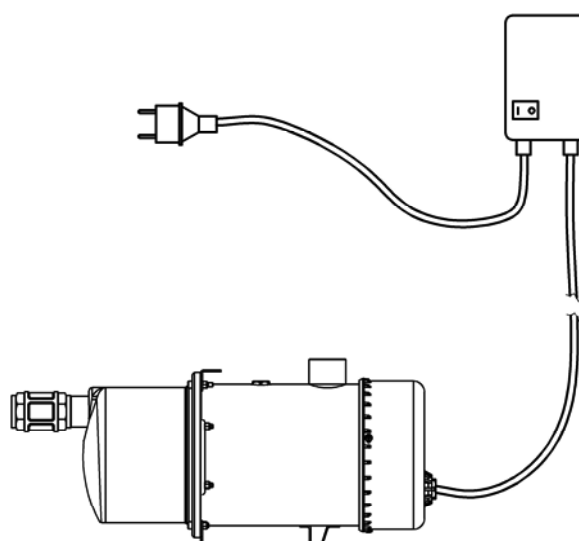
Pump, impellers and motor body: Aisi 304
Motor flange : Brass
Shaft: Aisi 420
Diffuser : Noryl
Rear cap : Aisi 304
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive
Capacitor case: Protection rating IP55



CE



CHECK VALVE INCLUDED



ELECTRICAL FEATURES

	P2		3~ 50Hz		1~ 50Hz	
Code	Nom.		Amp.		Amp.	Cap.
	kW	HP	230V	400V	230 V	μF
X-AMO 80B CE	0.60	0.8	2.4	1.6	5.15	16
X-AMO 100B CE	0.75	1	3	2	6.0	18
X-AMO 120B CE	0.90	1.2	3.3	2.5	7.2	20
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

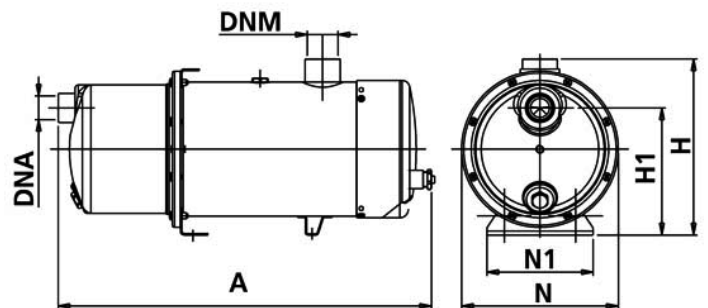
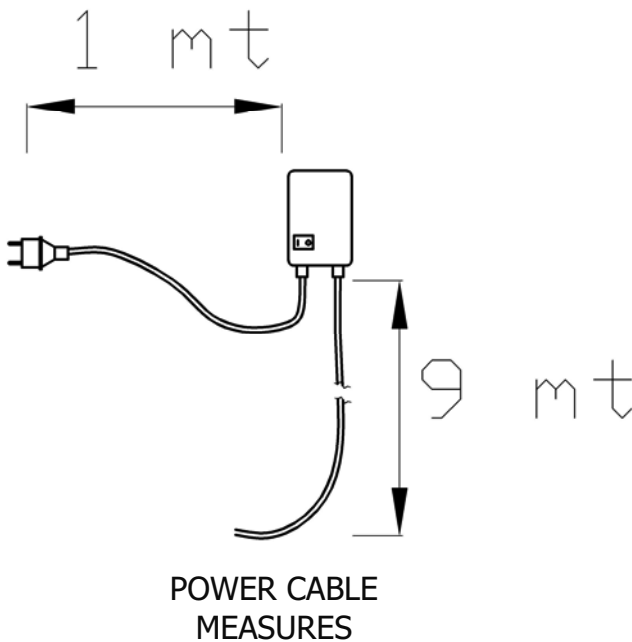
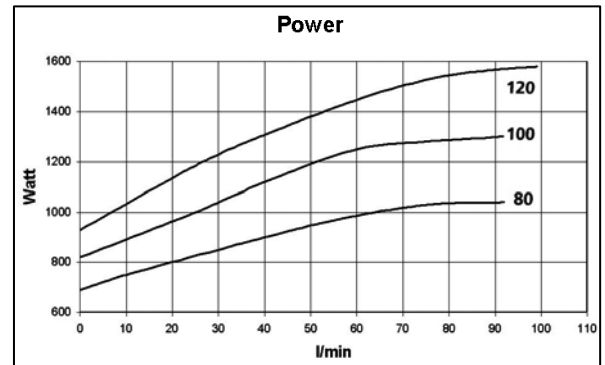
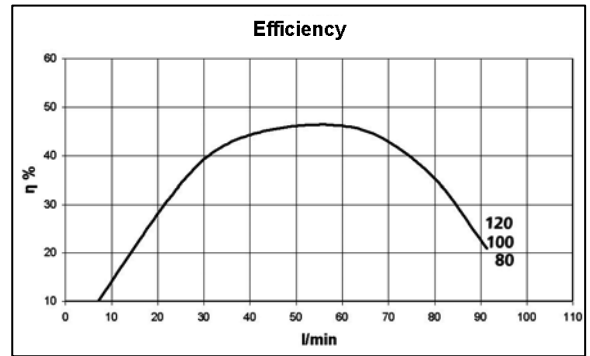
Mod.	Q (l/min) FLOW								
		0	30	40	50	60	70	80	90
	Stadi	H (m) HYDRAULIC HEAD							
X-AMO 80B CE	3	33	28	23	20	18	13	10	7
X-AMO 100B CE	4	42	35	30	28	24	18	15	10
X-AMO 120B CE	5	52	43	40	35	30	25	20	15

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight
	A	N	H	H1	N1	DNM	DNA	kg
X-AMO 80B CE	477	200	226	163	136	1"¼	1"	12.5
X-AMO 100B CE	477	200	226	163	136	1"¼	1"	13
X-AMO 120B CE	477	200	226	163	136	1"¼	1"	14



Code **X-MF B**

 Multistage pump
for fountains

PLUS

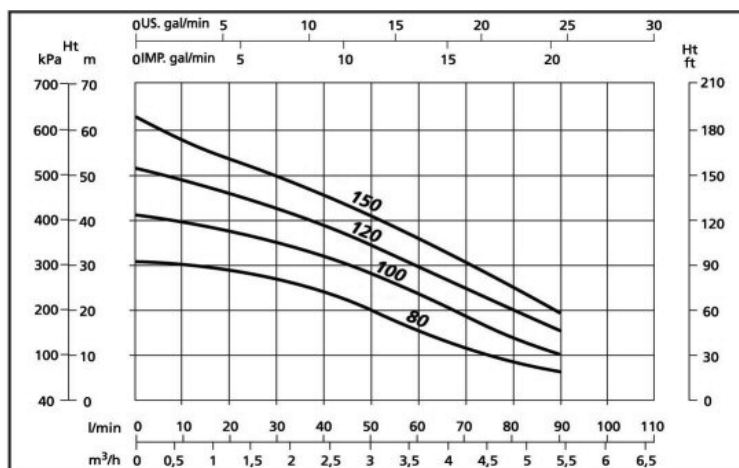
Fountains and water plays
 Cascades for gardens
 Oxygation of water for fishing breeding
 Protection rating IP 68

MATERIALS

Pump impellers and motor body: Aisi 304
 Technopolymerflange
 Shaft: Aisi 420
 Diffuser: Noryl
 Rear cap: Polypropilene
 Basis: Aisi 304
 Mechanical seal: Graphite ceramics
 Mechanical seal lubricated by a special oil chamber
 A2 Stainless steel bolts
 NBR70 O-ring
 H07RN-F Electric cable 10m length with Schuko plug



CHECK VALVE INCLUDED


ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. μ F
	kW	HP	230V	400V	230 V	
X-MF 80B	0.60	0.8	2.4	1.6	4.8	16
X-MF 100B	0.75	1	3	2	6.0	18
X-MF 120B	0.90	1.2	3.3	2.5	7.2	20
X-MF 150B	1.1	1.5	3.6	2.7	7.6	20
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

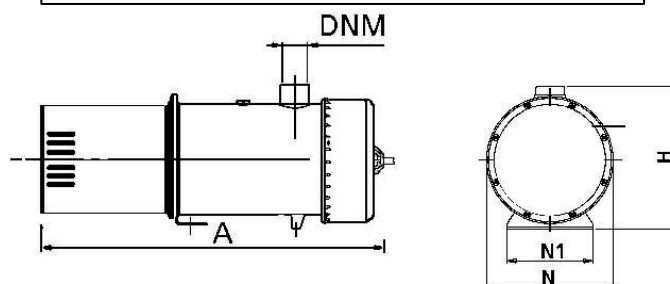
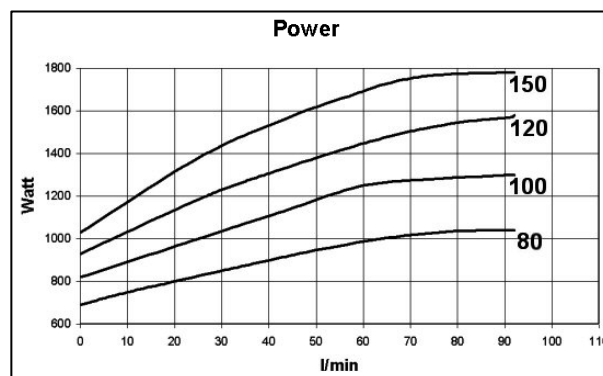
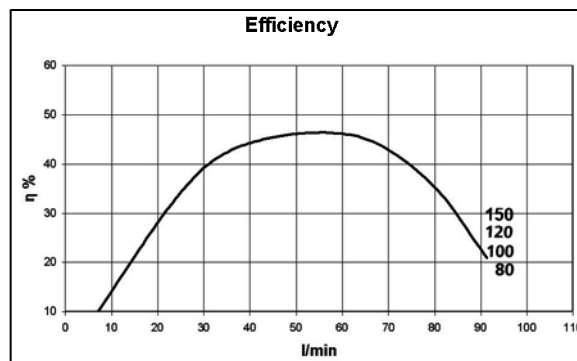
Code	Q (l/min) FLOW								
		0	30	40	50	60	70	80	90
	Stadi	H (m) HYDRAULIC HEAD							
X-MF 80B	3	33	28	23	20	18	13	10	7
X-MF 100B	4	42	35	30	28	24	18	15	10
X-MF 120B	5	52	43	40	35	30	25	20	15
X-MF 150B	6	63	47	45	43	36	30	25	17

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m

MEASUREMENTS

Code	Measures					Weight kg
	A	N	H	N1	DNM	
X-MF 80B	557	210	394	136	1"1/4	14.5
X-MF 100B	557	210	394	136	1"1/4	15
X-MF 120B	557	210	394	136	1"1/4	16
X-MF 150B	557	210	394	136	1"1/4	17



Code **X-AJE**

Self-priming Jet centrifugal pump with electronic system

PLUS

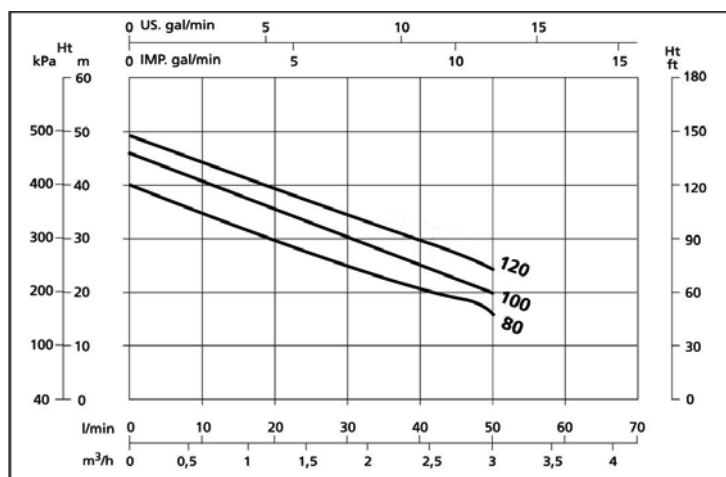
Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Pump and motor body: Aisi 304
Brass flange
Shaft: Aisi 420
Diffuser, Impeller and Venturi Jet: Noryl
Rear cap: Polypropilene
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive

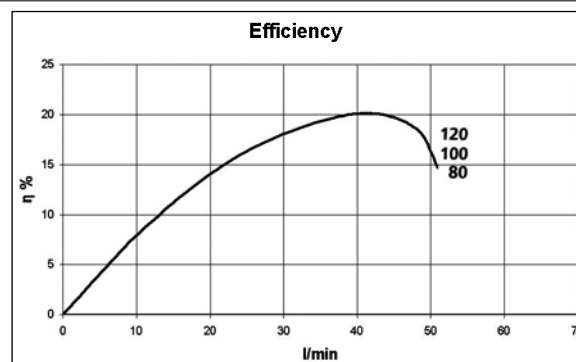


CHECK VALVE INCLUDED



ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. μ F
	kW	HP	230V	400V	230 V	
X-AJE 80	0.60	0.8	2.2	1.5	4.5	16
X-AJE 100	0.75	1	3	1.9	5.3	16
X-AJE 120	0.90	1.2	3.6	2.3	6.3	18
Class F insulated motor			S1 Motor Service Factor			



HYDRAULIC FEATURES

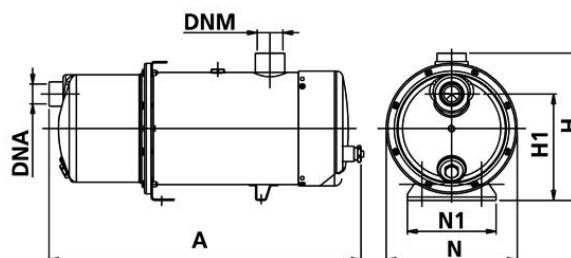
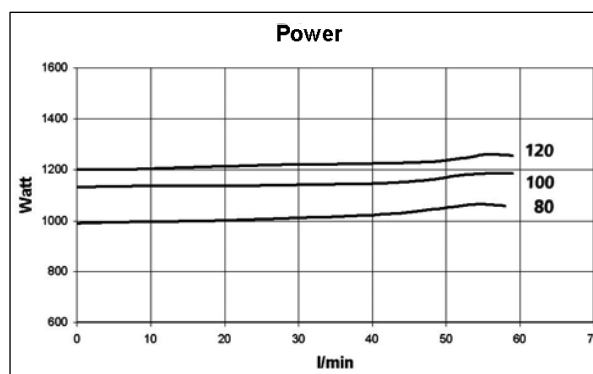
Code	Q (l/min) FLOW							
	0	10	20	30	40	50	60	
	H HYDRAULIC HEAD							
X-AJE 80	m	40	33	30	24	20	15	
X-AJE 100		47	40	35	30	25	20	5
X-AJE 120		49	43	38	32	30	24	8

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight kg
	A	N	H	H1	N1	DNM	DNA	
X-AJE 80	447	200	226	163	136	1 1/4"	1"	14,5
X-AJE 100	477	200	226	163	136	1 1/4"	1"	15
X-AJE 120	477	200	226	163	136	1 1/4"	1"	16



Code **X-AJE FLO**

Self-priming Jet centrifugal pump with electronic system and float switch


DESCRIPTION

The pump with float switch allows having more reliability against the dry running. This system enables the pump to restart automatically without disconnecting the electrical connections. This is possible because the float switch does not feed the pump motor when the water level is lower than the set safety one but allows power to be fed to the pump when the level is higher.

This guarantees that the pump does not run dry during aspiration.

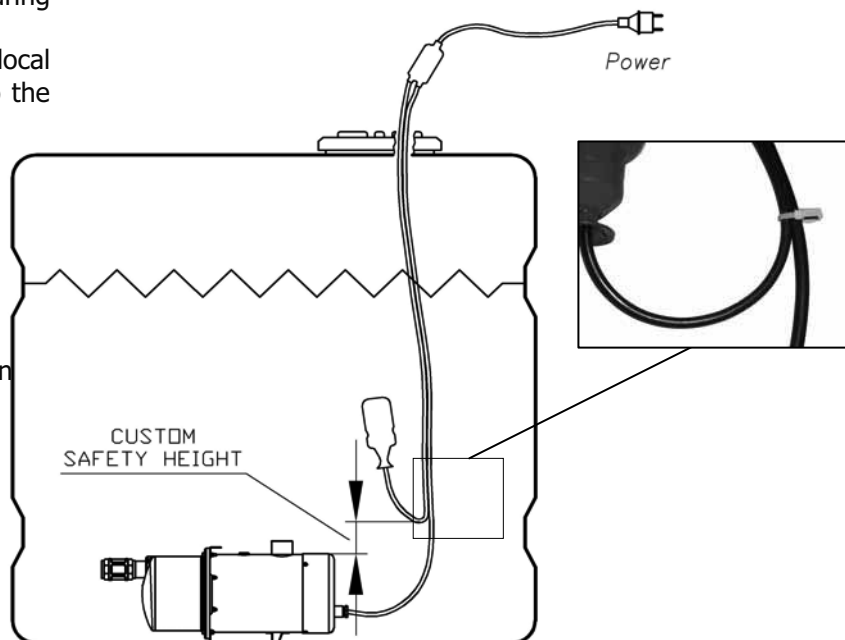
The user will set the safety level based on the local installation simply by connecting the electrical cable to the tank and setting the last tie of the floating cable.

PLUS

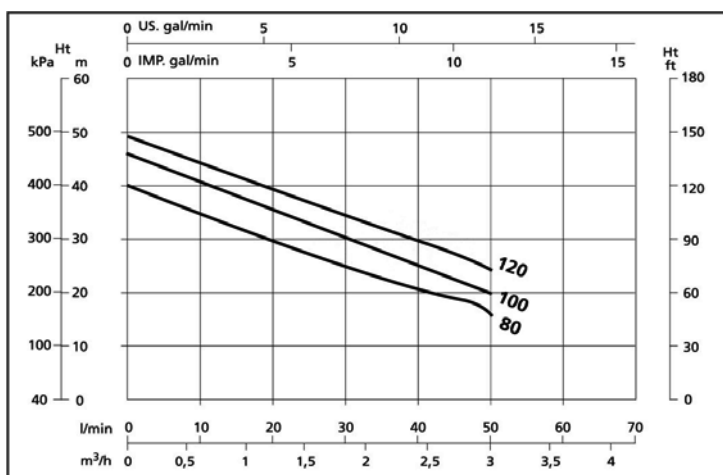
Up/Down technology for submersed, surface or underground installation
 Automatic system of water supply; dry-running protection
 Antiblocking system every 72 hours of pump inactivity
 Protection rating IP 68

MATERIALS

Pump and motor body: Aisi 304
 Brass flange
 Shaft: Aisi 420
 Diffuser, Impeller and Venturi Jet: Noryl
 Rear cap: Polypropilene
 Basis: Aisi 304
 Mechanical seal: Graphite ceramics
 Mechanical seal lubricated by a special oil chamber
 A2 Stainless steel bolts
 NBR70 O-ring
 H07RN-F Electric cable 10m length with Schuko plug
 Tropicalized circuit board in compliance with the RoHS directive



Tank installation



ELECTRICAL FEATURES

	P2		3~ 50Hz		1~ 50Hz	
Code	Nom.		Amp.		Amp.	Cap.
	kW	HP	230V	400V	230 V	μF
X-AJE 80	0.60	0.8	2.2	1.5	4.5	16
X-AJE 100	0.75	1	3	1.9	5.3	16
X-AJE 120	0.90	1.2	3.6	2.3	6.3	18
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

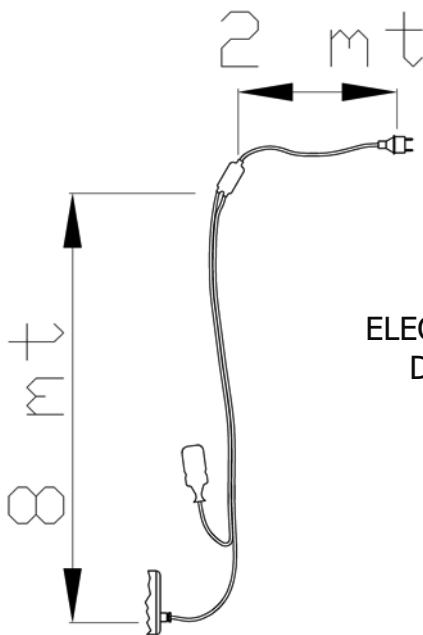
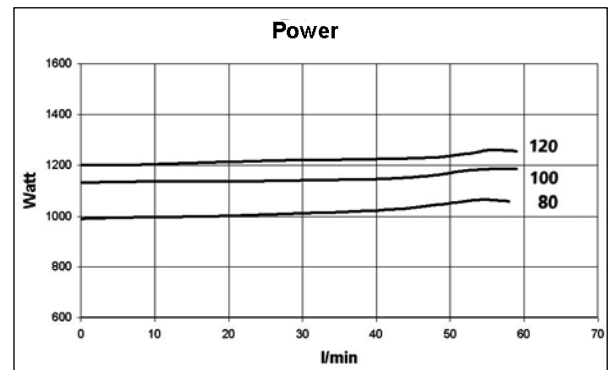
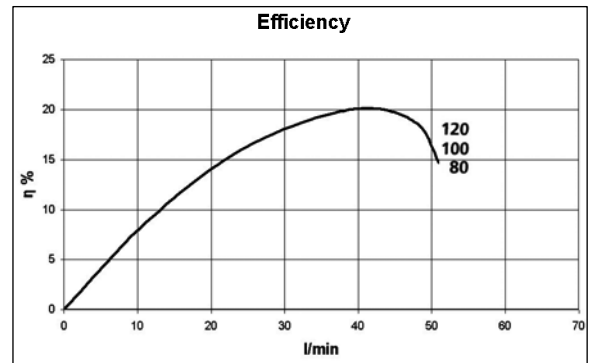
Code		Q (l/min) FLOW					
		0	10	20	30	40	50
	m	H HYDRAULIC HEAD					
		40	33	30	24	20	15
		47	40	35	30	25	20
		49	43	38	32	30	24

CHARACTERISTICS AND INSTALLATION

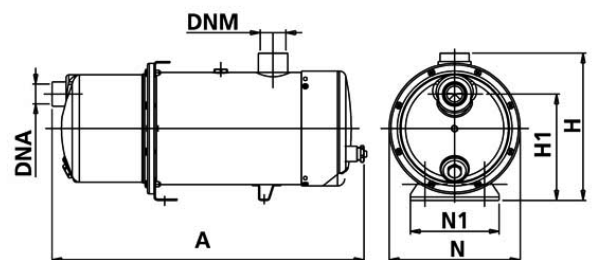
Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight
	A	N	H	H1	N1	DNM	DNA	kg
X-AJE 80	447	200	226	163	136	1"¼	1"	14,5
X-AJE 100	477	200	226	163	136	1"¼	1"	15
X-AJE 120	477	200	226	163	136	1"¼	1"	16



ELECTRICAL CABLE
DIMENSIONS



Code **X-AJE CE**

Self-priming Jet centrifugal pump with electronic system and external capacitor

DESCRIPTION

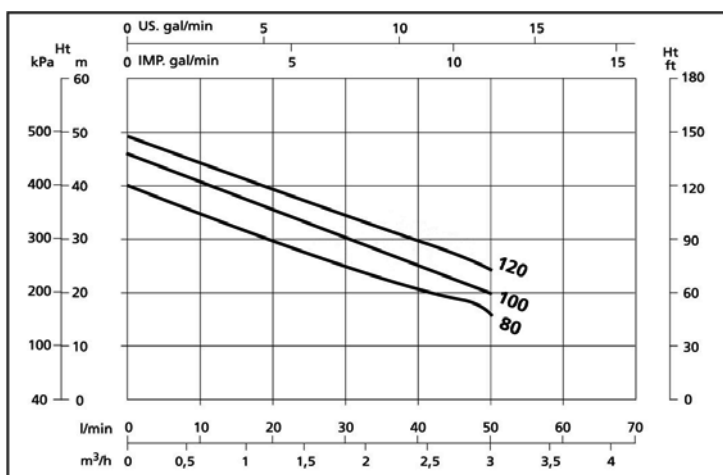
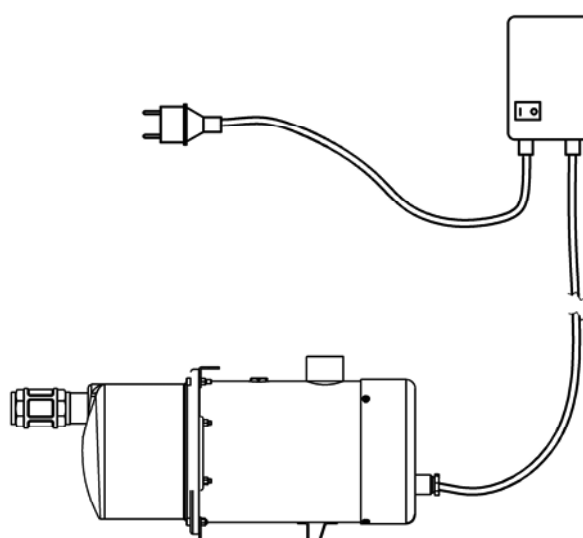
The version of the pump with external capacitor allows easy maintenance of the starting capacitor.

PLUS

Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Pump and motor body: Aisi 304
Brass flange
Shaft: Aisi 420
Diffuser, Impeller and Venturi Jet: Noryl
Rear cap: Aisi 304
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive
Capacitor case: Protection class IP55



ELECTRICAL FEATURES

	P2		3~ 50Hz		1~ 50Hz	
Code	Nom.		Amp.		Amp.	Cap.
	kW	HP	230V	400V	230 V	μF
X-AJE 80 CE	0.60	0.8	2.2	1.5	4.5	16
X-AJE 100 CE	0.75	1	3	1.9	5.3	16
X-AJE 120 CE	0.90	1.2	3.6	2.3	6.3	18
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

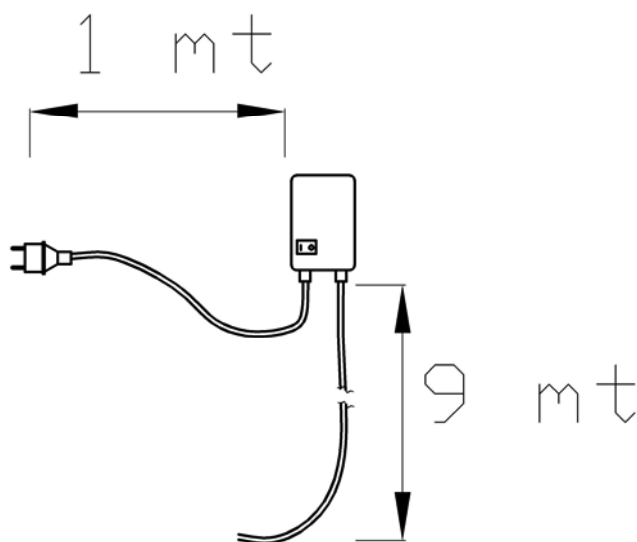
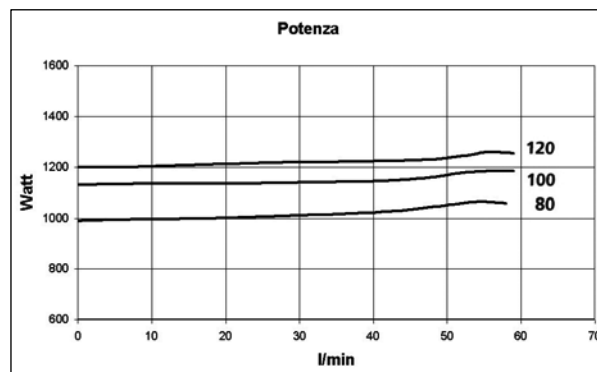
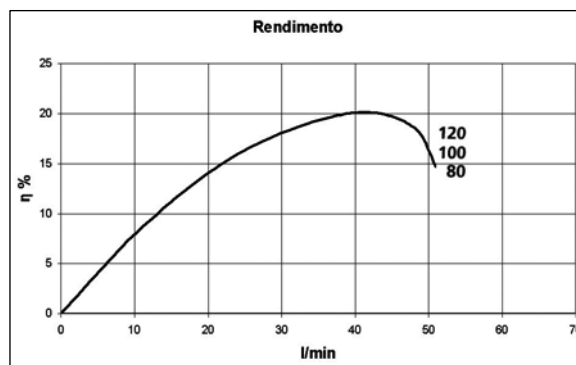
Code		Q (l/min) FLOW					
		0	10	20	30	40	50
	m	H HYDRAULIC HEAD					
		40	33	30	24	20	15
		47	40	35	30	25	20
		49	43	38	32	30	24

CHARACTERISTICS AND INSTALLATION

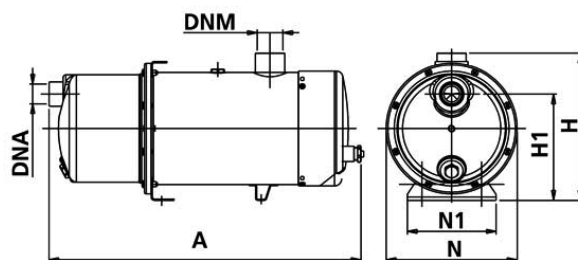
Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight
	A	N	H	H1	N1	DNM	DNA	kg
X-AJE 80 CE	447	200	226	163	136	1"¼	1"	14,5
X-AJE 100 CE	477	200	226	163	136	1"¼	1"	15
X-AJE 120 CE	477	200	226	163	136	1"¼	1"	16



ELECTRICAL CABLE
DIMENSIONS



Code **X-AJE 100 24** 24 Volt

Self-priming Jet centrifugal pump with electronic system

PLUS

Installation without electrical network

Water boosting

Transfers/Depletion of tanks - Hulls and camper van washing

Pump protection against dry-running and Antiblocking system after each 72 hours of inactivity

Protection rating IP68 for submersed or surface installation (excluded switchboard of group)

Water supply of isolated livestock settings

Temporary and emergency water supply

MATERIALS

Pump body, motor body, rear cap and support: Aisi 304

Motor fralges: Brass

Shaft: Aisi 420

Diffuser, venturi and Impeller: Noryl

Mechanical seal: Graphite ceramics - Oil seal reservoir

A2 Stainless steel bolts

NBR70 O-ring

H07RN-F Electric cable 10m length with Schuko plug

Tropicalized circuit board in compliance with the RoHS directive

ELECTRICAL FEATURES

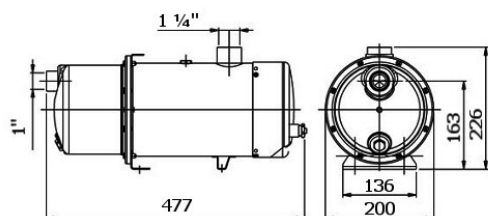
Code	Volt	Service Activity for max.15 min.: Ampere	Nonstop service To limit to : Ampere
X - AJE 100 24	24	29	20
X1-AJE 100 24	24	29	20
X2-AJE 100 24	24	29 + 29	20 + 20
Class F insulated motor			

HYDRAULIC FEATURES

Code	Q (l/min) FLOW								
	0	10	20	30	40	60	80	100	
X - AJE 100 24	H HYDRAULIC HEAD								
	m	35	28	23	17	11			
		35	28	23	17	11			
X1-AJE 100 24		35	28	23	17	11			
X2-AJE 100 24		35	31	28	26	23	17	11	

CHARACTERISTICS AND INSTALLATION

Drained liquid	Acqua pulita
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth (excluded X2 group)	max 5 m
Calibrating pressure rate switch	1.5 bar



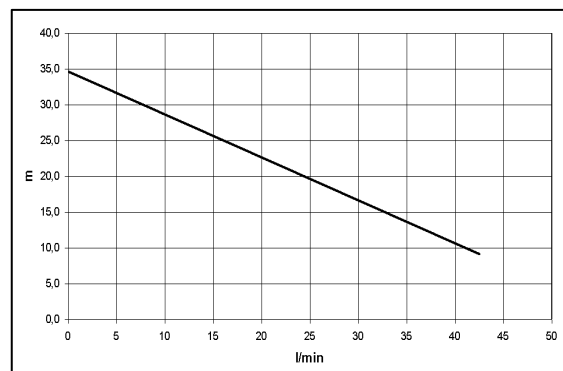
X-AJE 100 24



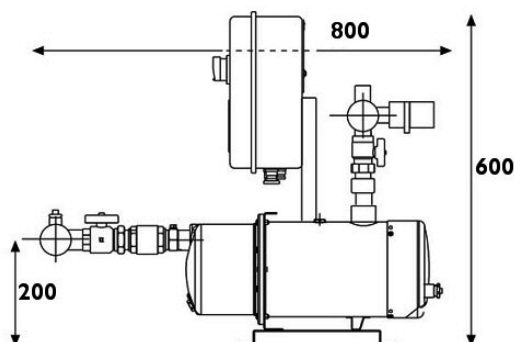
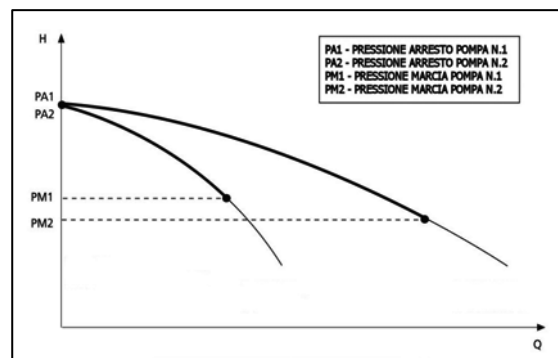
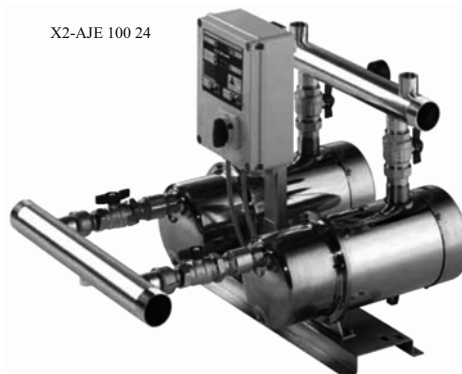
X1-AJE 100 24



CHECK VALVE INCLUDED



X2-AJE 100 24



Code **X-AMO**

Horizontal multistage pump with electronic system

PLUS

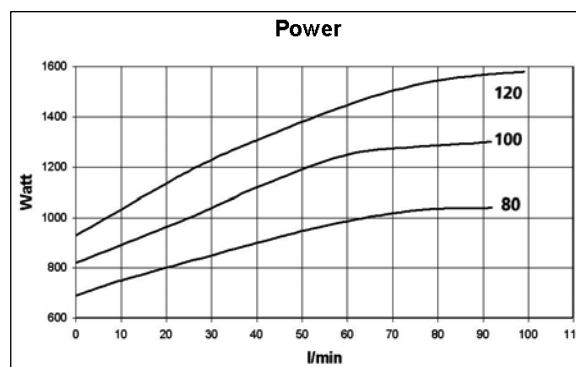
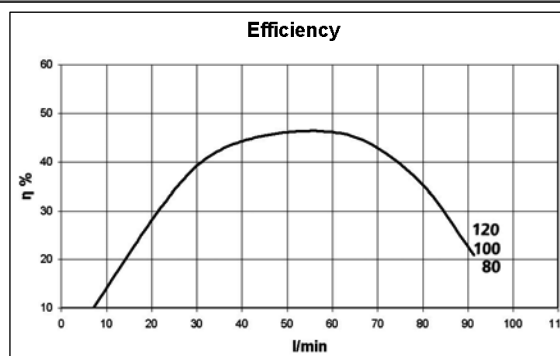
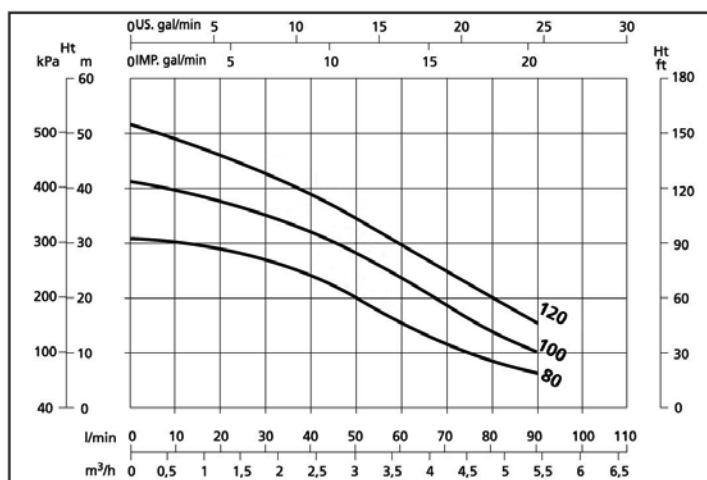
Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Pump, impellers and motor body: Aisi 304
Motor flange: Brass
Shaft: Aisi 420
Diffuser, Impeller and Venturi Jet: Noryl
Rear cap: Polypropilene
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive



CHECK VALVE INCLUDED



ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. µF
	kW	HP	230V	400V	230 V	
X-AMO 80	0.60	0.8	2.4	1.6	5.15	16
X-AMO 100	0.75	1	3	2	6.0	18
X-AMO 120	0.90	1.2	3.3	2.5	7.2	20
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

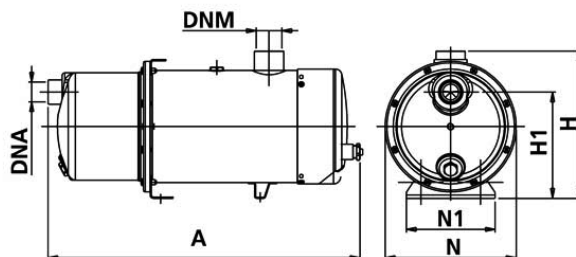
Code	Q (l/min) FLOW								
	Stages	H (m) HYDRAULIC HEAD							
		0	30	40	50	60	70	80	90
X-AMO 80	3	33	28	23	20	18	13	10	7
X-AMO 100	4	42	35	30	28	24	18	15	10
X-AMO 120	5	52	43	40	35	30	25	20	15

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight
	A	N	H	H1	N1	DNM	DNA	kg
X-AMO 80	477	200	226	163	136	1 1/4"	1"	15,5
X-AMO 100	477	200	226	163	136	1 1/4"	1"	16
X-AMO 120	477	200	226	163	136	1 1/4"	1"	17



Code **X-AMO FLO**

Horizontal multistage pump with electronic system and float switch



CHECK VALVE INCLUDED

DESCRIPTION

The pump with float switch allows having more reliability against the dry running. This system enables the pump to restart automatically without disconnecting the electrical connections. This is possible because the float switch does not feed the pump motor when the water level is lower than the set safety one but allows power to be fed to the pump when the level is higher.

This guarantees that the pump does not run dry during aspiration.

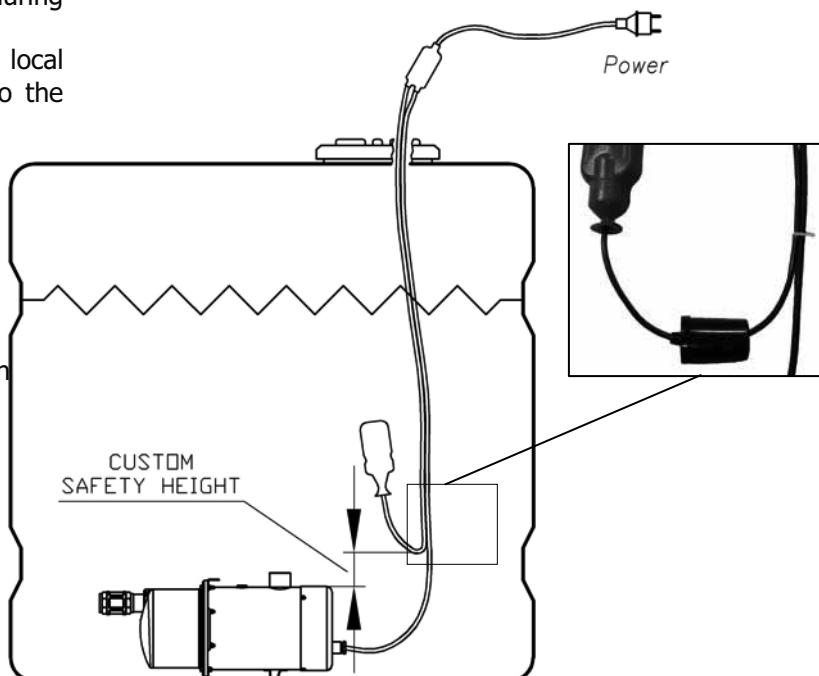
The user will set the safety level based on the local installation simply by connecting the electrical cable to the tank and setting the last tie of the floating cable.

PLUS

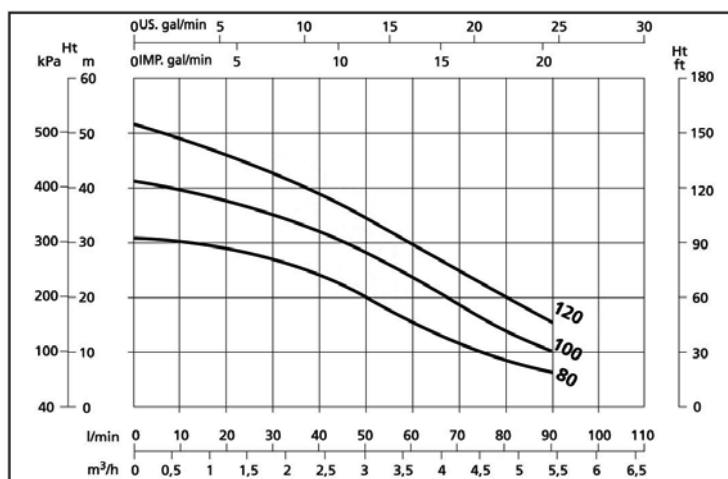
- UP/Down technology for submersed, surface or underground installation
- Automatic system of water supply; dry-running protection
- Antiblocking system every 72 hours of pump inactivity
- Protection rating IP 68

MATERIALS

- Pump, impellers and motor body: Aisi 304
- Motor flange : Brass
- Shaft: Aisi 420
- Diffuser : Noryl
- Rear cap : Aisi 304
- Basis: Aisi 304
- Mechanical seal: Graphite ceramics
- Mechanical seal lubricated by a special oil chamber
- A2 Stainless steel bolts
- NBR70 O-ring
- H07RN-F Electric cable 10m length with Schuko plug
- Tropicalized circuit board in compliance with the RoHS directive



Tank installation



ELECTRICAL FEATURES

	P2		3~ 50Hz		1~ 50Hz	
Code	Nom.		Amp.		Amp.	Cap.
	kW	HP	230V	400V	230 V	μF
X-AMO 80	0.60	0.8	2.4	1.6	5.15	16
X-AMO 100	0.75	1	3	2	6.0	18
X-AMO 120	0.90	1.2	3.3	2.5	7.2	20
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

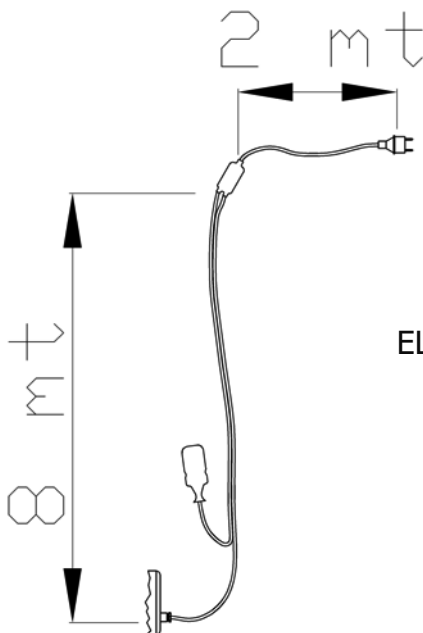
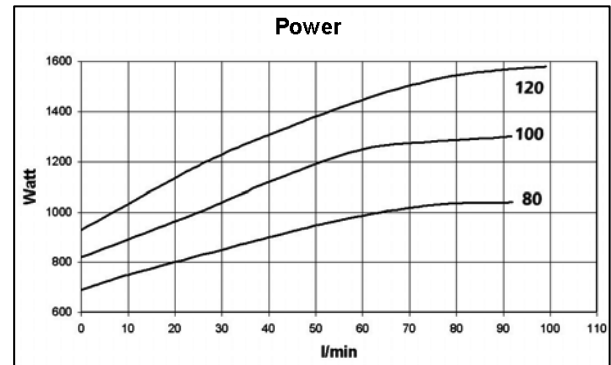
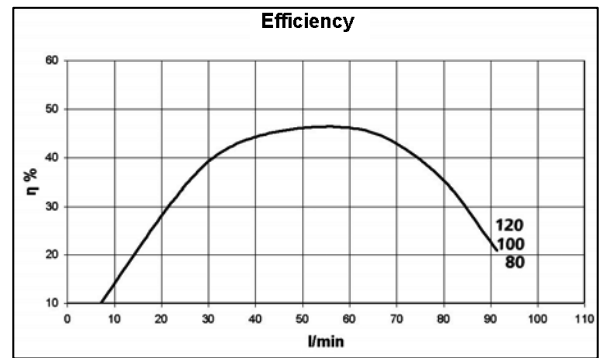
Code	Q (l/min) FLOW								
		0	30	40	50	60	70	80	90
	Stages	H (m) HYDRAULIC HEAD							
X-AMO 80	3	33	28	23	20	18	13	10	7
X-AMO 100	4	42	35	30	28	24	18	15	10
X-AMO 120	5	52	43	40	35	30	25	20	15

CHARACTERISTICS AND INSTALLATION

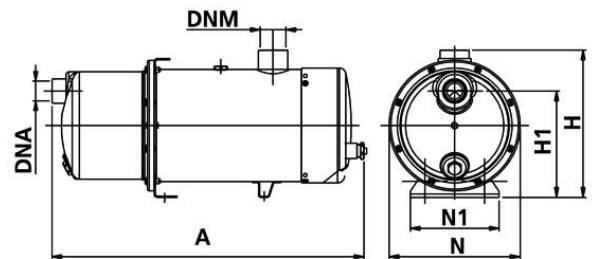
Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight
	A	N	H	H1	N1	DNM	DNA	kg
X-AMO 80	477	200	226	163	136	1 1/4"	1"	15.5
X-AMO 100	477	200	226	163	136	1 1/4"	1"	16
X-AMO 120	477	200	226	163	136	1 1/4"	1"	17



ELECTRICAL CABLE
DIMENSIONS



Code. **X-AMO CE**

Horizontal multistage pump with electronic system and external capacitor

DESCRIPTION

The version of the pump with external capacitor allows easy maintenance of the starting capacitor.

PLUS

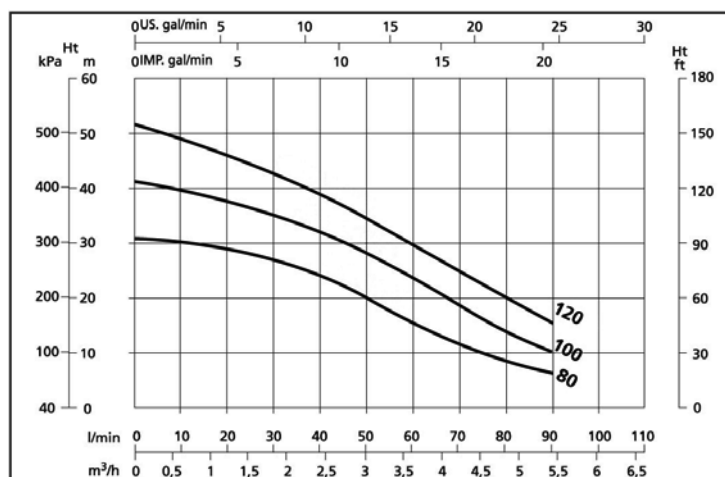
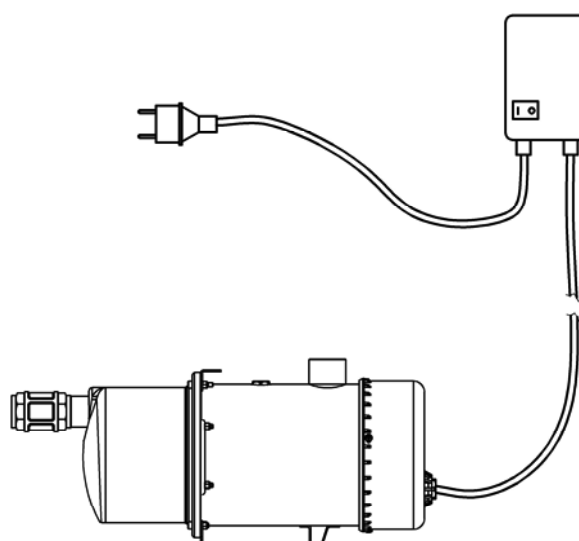
Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Corpo pompa, giranti e corpo motore in Aisi 304
Flange motore in ottone
Albero in acciaio Aisi 420
Diffusore in noryl
Calotta posteriore in Aisi 304
Piede d'appoggio in acciaio Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive
Capacitor case: Protection rating IP55



VALVOLA RITEGNO INCLUSA



ELECTRICAL FEATURES

	P2		3~ 50Hz		1~ 50Hz	
Code	Nom.		Amp.		Amp.	Cap.
	kW	HP	230V	400V	230 V	μF
X-AMO 80 CE	0.60	0.8	2.4	1.6	5.15	16
X-AMO 100 CE	0.75	1	3	2	6.0	18
X-AMO 120 CE	0.90	1.2	3.3	2.5	7.2	20
Classe isolamento motore F			Servizio motore S1			

HYDRAULIC FEATURES

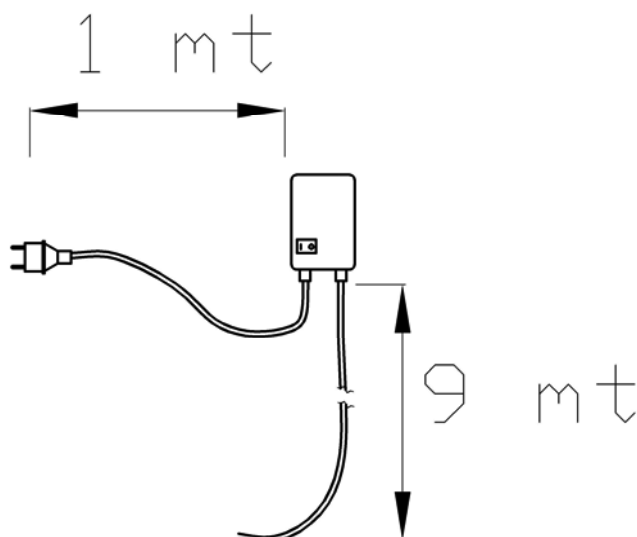
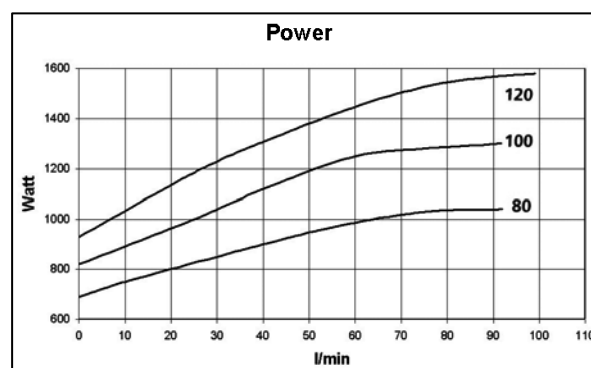
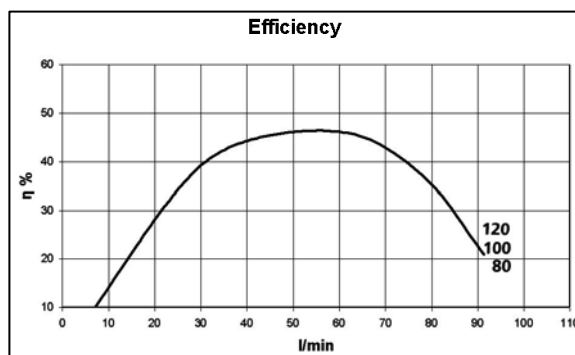
Code	Q (l/min) FLOW								
	Stages	H (m) HYDRAULIC HEAD							
X-AMO 80 CE	3	33	28	23	20	18	13	10	7
X-AMO 100 CE	4	42	35	30	28	24	18	15	10
X-AMO 120 CE	5	52	43	40	35	30	25	20	15

CHARACTERISTICS AND INSTALLATION

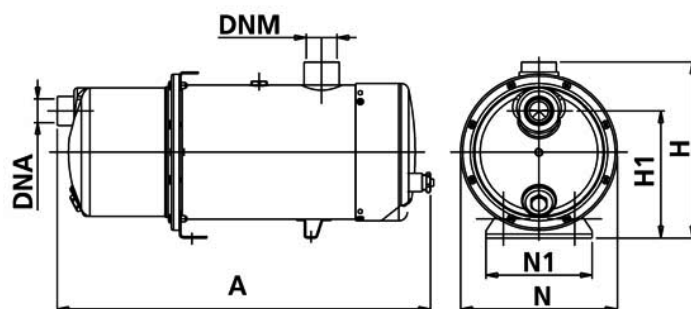
Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures								Weight
	A	N	H	H1	N1	DNM	DNA	kg	
X-AMO 80 CE	477	200	226	163	136	1"¼	1"	12.5	
X-AMO 100 CE	477	200	226	163	136	1"¼	1"	13	
X-AMO 120 CE	477	200	226	163	136	1"¼	1"	14	



USO DIMENSIONE
CAVO ELETTRICO



Code **X-MN**

Centrifugal single stage pumps



PLUS

Up/Down technology for submersed, surface or underground installation

Medium sprinkling and sliding irrigations

Depletion and pouring off of tanks

Protection rating IP 68

MATERIALS

Pump and motor body: Aisi 304

Technopolymer flange

Shaft: Aisi 420

Diffuser, Impeller and Venturi Jet: Noryl

Rear cap: Polypropilene

Basis: Aisi 304

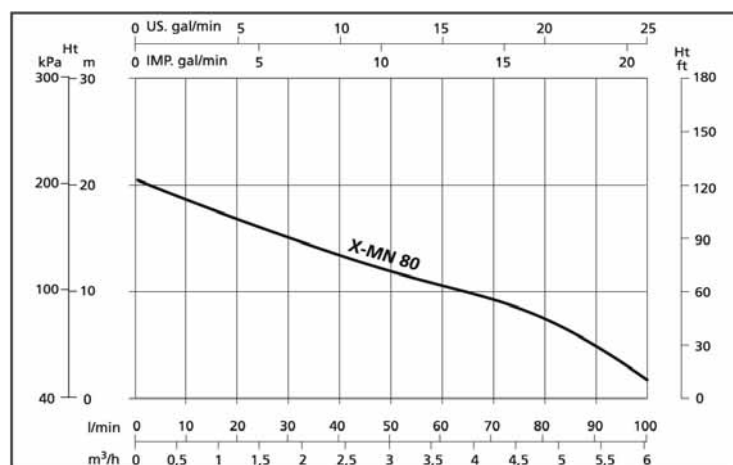
Mechanical seal: Graphite ceramics

Mechanical seal lubricated by a special oil chamber

A2 Stainless steel bolts

NBR70 O-ring

H07RN-F Electric cable 10m length with Schuko plug



ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. μ F
	kW	HP	230V	400V	230 V	
X-MN 80	0.60	0.8	2.2	1.5	4.8	16
Class F insulated motor			S1 Motor Service Factor			



HYDRAULIC FEATURES

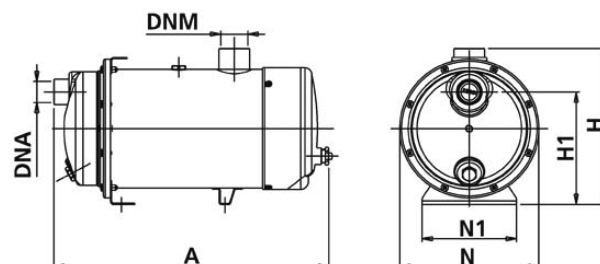
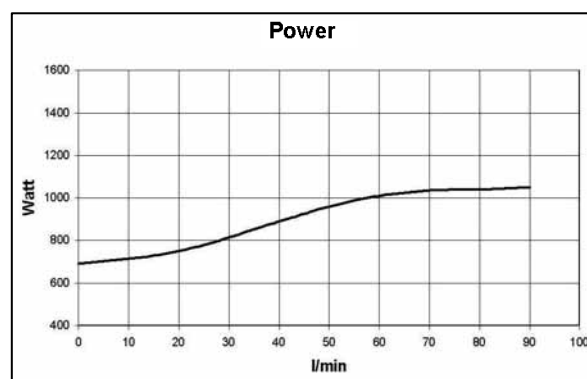
Code	Q (l/min) FLOW						
		0	20	40	60	80	100
	H HYDRAULIC HEAD						
X-MN 80	m	21	16	14	15	8	3

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m

MEASUREMENTS

Code	Measures							Weight kg
	A	N	H	H1	N1	DNM	DNA	
X-MN 80	396	200	226	163	136	1 1/4"	1"	15



Code **X-AMV B**

Vertical multistage pump with electronic system

PLUS

Up/Down technology for submersed, surface or underground installation
 Automatic system of water supply; dry-running protection
 Antiblocking system every 72 hours of pump inactivity
 Protection rating IP 68

MATERIALS

Pump, impellers and motor body: Aisi 304
 Motor flange: Technopolymer
 Shaft: Aisi 420
 Diffusert: Noryl
 Rear cap: Polypropylene technical
 Basis: Aisi 304
 Mechanical seal: Graphite ceramics
 Mechanical seal lubricated by a special oil chamber
 A2 Stainless steel bolts
 NBR70 O-ring
 H07RN-F Electric cable 10m length with Schuko plug
 Tropicalized circuit board in compliance with the RoHS directive

ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. μF
	kW	HP	230V	400V	230 V	
X-AMV 80B	0.60	0.8	2.4	1.6	5.15	16
X-AMV 100B	0.75	1	3	2	6.0	18
X-AMV 120B	0.90	1.2	3.3	2.5	7.2	20
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

Code	Q (l/min) FLOW								
		0	30	40	50	60	70	80	90
	Stages	H (m) HYDRAULIC HEAD							
X-AMV 80B	3	33	28	23	20	18	13	10	7
X-AMV 100B	4	42	35	30	28	24	18	15	10
X-AMV 120B	5	52	43	40	35	30	25	20	15

CHARACTERISTICS AND INSTALLATION

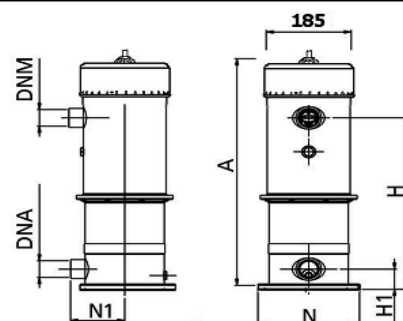
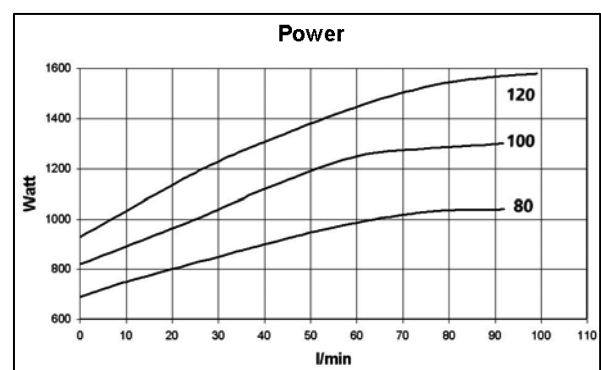
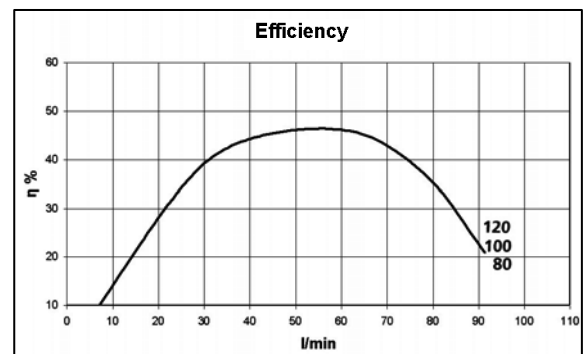
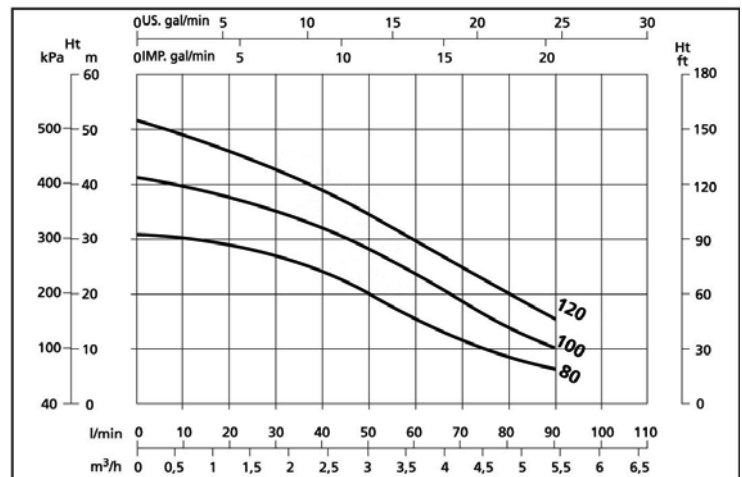
Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight kg
	A	N	H	H1	N1	DNM	DNA	
X-AMV 80B	570	210	394	38	112	1" 1/4	1" 1/4	13.5
X-AMV 100B	570	210	394	38	112	1" 1/4	1" 1/4	14
X-AMV 120B	570	210	394	38	112	1" 1/4	1" 1/4	15



CHECK VALVE INCLUDED



Code **X-AMV B FLO**

Vertical Multistage Pump
with electronic system
and float switch



DESCRIPTION

The pump with float switch allows having more reliability against the dry running. This system enables the pump to restart automatically without disconnecting the electrical connections. This is possible because the float switch does not feed the pump motor when the water level is lower than the set safety one but allows power to be fed to the pump when the level is higher.

This guarantees that the pump does not run dry during aspiration.

The user will set the safety level based on the local installation simply by connecting the electrical cable to the tank and setting the last tie of the floating cable.



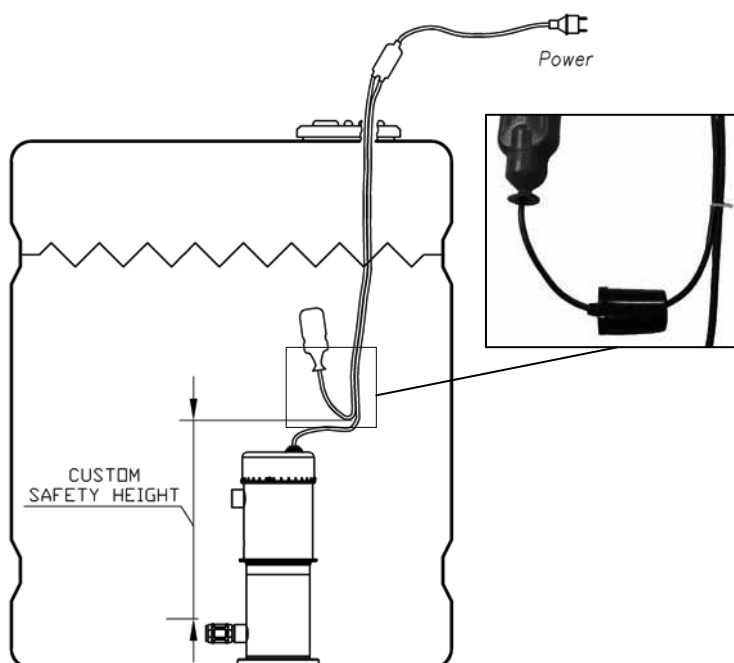
CHECK VALVE INCLUDED

PLUS

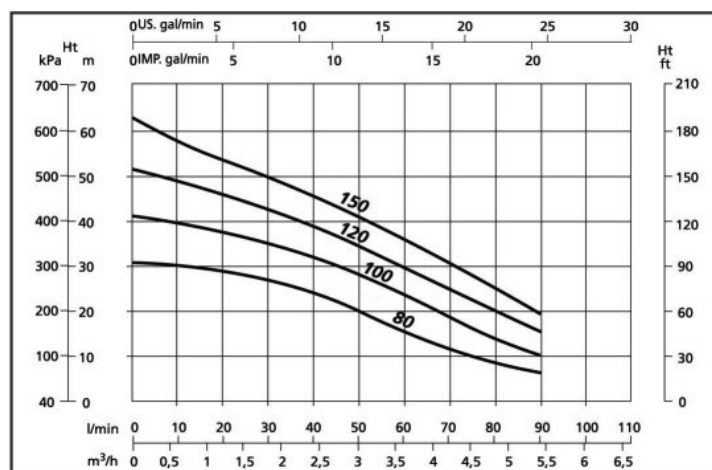
- Up/Down technology for submersed, surface or underground installation
- Automatic system of water supply; dry-running protection
- Antiblocking system every 72 hours of pump inactivity
- Protection rating IP 68

MATERIALS

- Pump and motor body: Aisi 304
- Technopolymer flange
- Shaft: Aisi 420
- Diffuser, Impeller and Venturi Jet: Noryl
- Rear cap: Polypropilene
- Basis: Aisi 304
- Mechanical seal: Graphite ceramics
- Mechanical seal lubricated by a special oil chamber
- A2 Stainless steel bolts
- NBR70 O-ring
- H07RN-F Electric cable 10m length with Schuko plug
- Tropicalized circuit board in compliance with the RoHS directive



Tank installation



ELECTRICAL FEATURES

	P2		3~ 50Hz		1~ 50Hz	
Code	Nom.		Amp.		Amp.	Cap.
	kW	HP	230V	400V	230 V	μF
X-AMV 80B	0.60	0.8	2.4	1.6	5.15	16
X-AMV 100B	0.75	1	3	2	6.0	18
X-AMV 120B	0.90	1.2	3.3	2.5	7.2	20
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

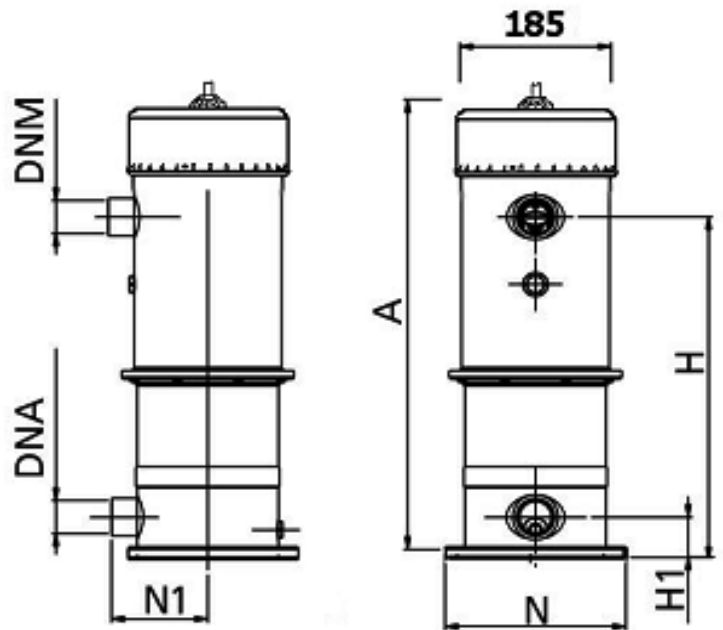
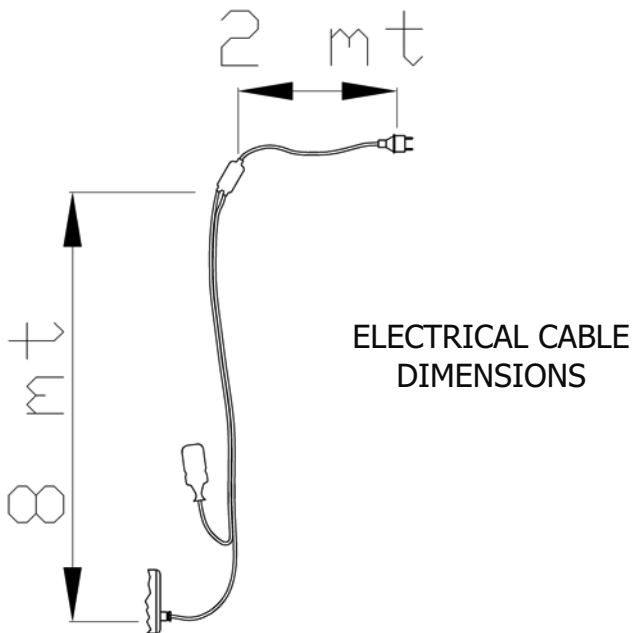
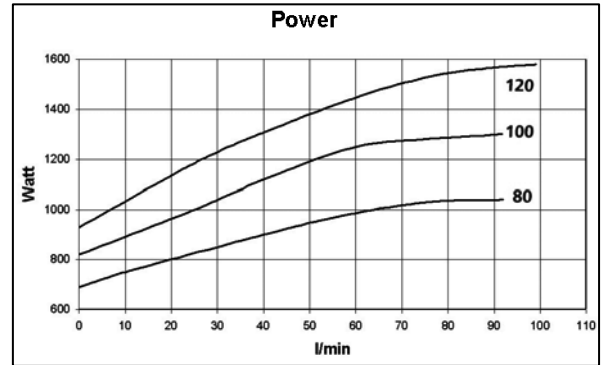
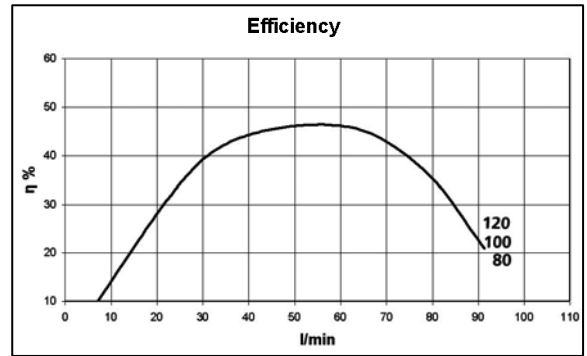
Code	Q (l/min) FLOW								
		0	30	40	50	60	70	80	90
	Stages	H HYDRAULIC HEAD							
X-AMV 80B	3	33	28	23	20	18	13	10	7
X-AMV 100B	4	42	35	30	28	24	18	15	10
X-AMV 120B	5	52	43	40	35	30	25	20	15

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight
	A	N	H	H1	N1	DNM	DNA	kg
X-AMV 80B	570	210	394	38	112	1 1/4"	1 1/4"	13.5
X-AMV 100B	570	210	394	38	112	1 1/4"	1 1/4"	14
X-AMV 120B	570	210	394	38	112	1 1/4"	1 1/4"	15



Code **X-AMV B CE**

Vertical multistage pump
with electronic system
and external capacitor



DESCRIPTION

The version of the pump with external capacitor allows easy maintenance of the starting capacitor.



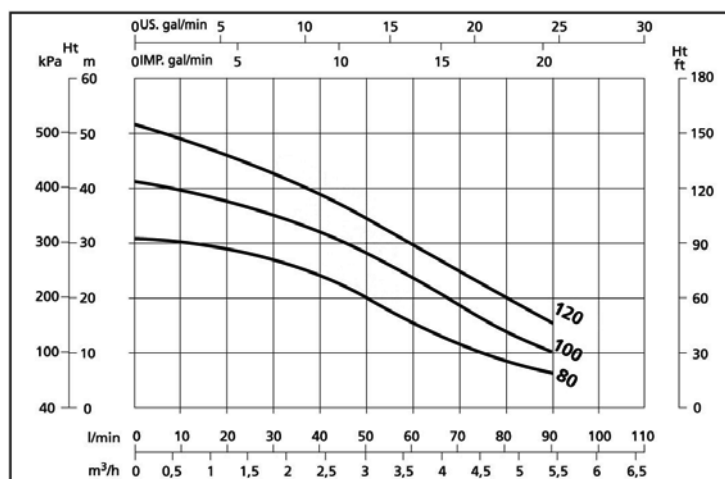
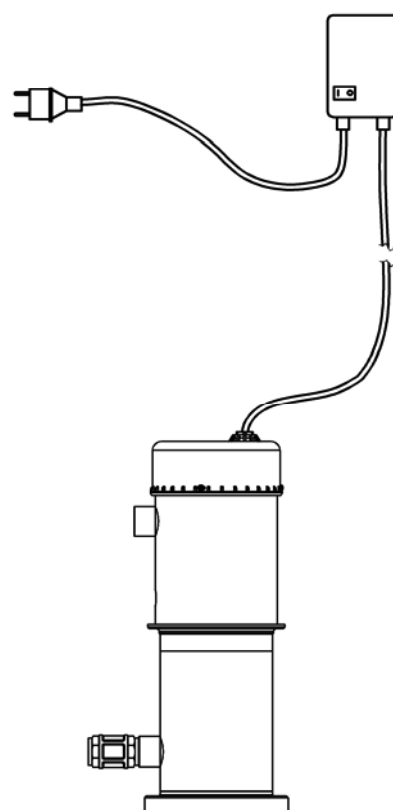
CHECK VALVE INCLUDED

PLUS

Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Pump, impellers and motor body: Aisi 304
Motor flange: Technopolymer
Shaft: Aisi 420
Diffusert: Noryl
Rear cap: Polypropilene technical
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive
Capacitor case: Protection rating IP55



ELECTRICAL FEATURES

	P2		3~ 50Hz		1~ 50Hz	
Code	Nom.		Amp.		Amp.	Cap.
	kW	HP	230V	400V	230 V	μF
X-AMV 80B CE	0.60	0.8	2.4	1.6	5.15	16
X-AMV 100B CE	0.75	1	3	2	6.0	18
X-AMV 120B CE	0.90	1.2	3.3	2.5	7.2	20
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

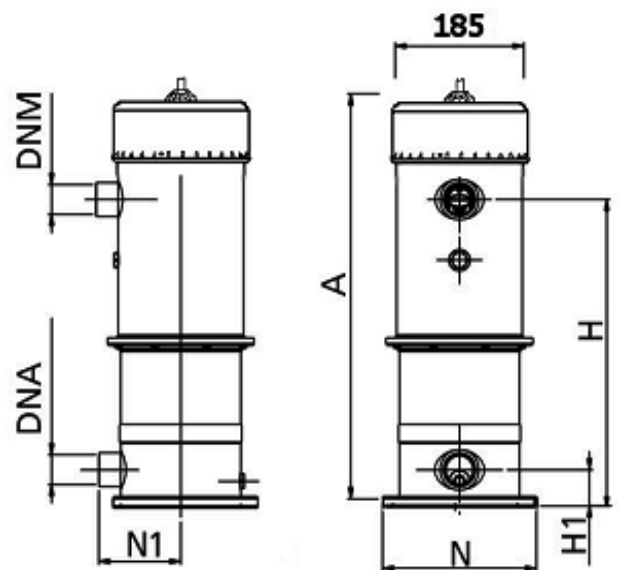
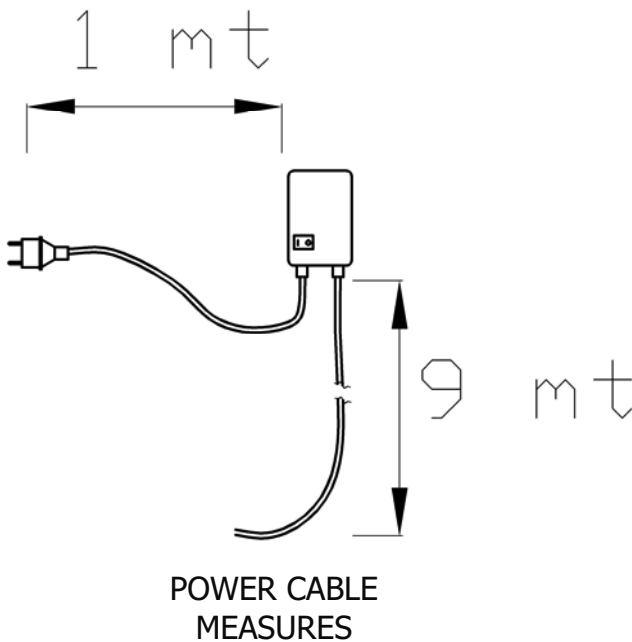
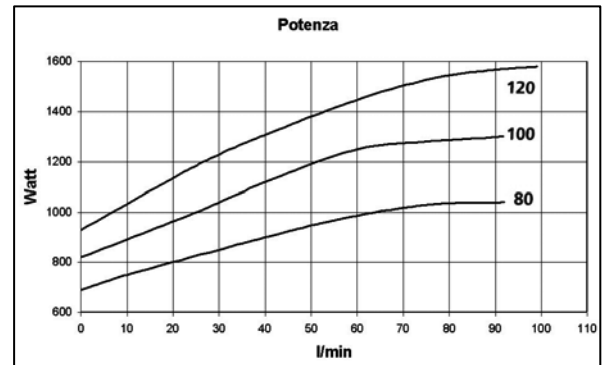
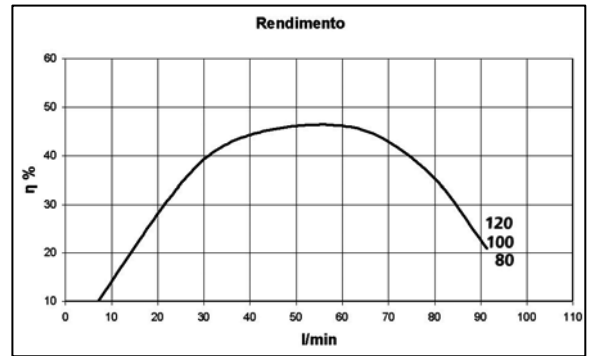
Code	Q (l/min) FLOW								
	Stages	H (m) HYDRAULIC HEAD							
X-AMV 80B CE	3	33	28	23	20	18	13	10	7
X-AMV 100B CE	4	42	35	30	28	24	18	15	10
X-AMV 120B CE	5	52	43	40	35	30	25	20	15

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight
	A	N	H	H1	N1	DNM	DNA	kg
X-AMV 80B CE	570	210	394	38	112	1"¼	1"¼	13.5
X-AMV 100B CE	570	210	394	38	112	1"¼	1"¼	14
X-AMV 120B CE	570	210	394	38	112	1"¼	1"¼	15



Code **X-MD B**

Vertical multistage pump

PLUS

Domestic boosting
 Sprinkling and sliding domestic irrigations
 Depletion and pouring off of tanks
 Industrial washings and cooling systems
 Treatment of drinkable water
 Protection rating IP 68

MATERIALS

Pump, impellers and motor body: Aisi 304
 Technopolymer flange
 Shaft: Aisi 420
 Diffuser: Noryl
 Rear cap: Aisi 304
 Basis: Aisi 304
 Mechanical seal: Graphite ceramics
 Mechanical seal lubricated by a special oil chamber
 A2 Stainless steel bolts
 NBR70 O-ring
 H07RN-F Electric cable 10m length with Schuko plug

ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. μF
	kW	HP	230V	400V	230 V	
X-MD 80B	0.60	0.8	2.4	1.6	4.8	16
X-MD 100B	0.75	1	3	2	6.0	18
X-MD 120B	0.90	1.2	3.3	2.5	7.2	20
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

Code	Q (l/min) FLOW								
	Stadi								
	H (m) HYDRAULIC HEAD								
X-MD 80B	3	33	28	23	20	18	13	10	7
X-MD 100B	4	42	35	30	28	24	18	15	10
X-MD 120B	5	52	43	40	35	30	25	20	15

CHARACTERISTICS AND INSTALLATION

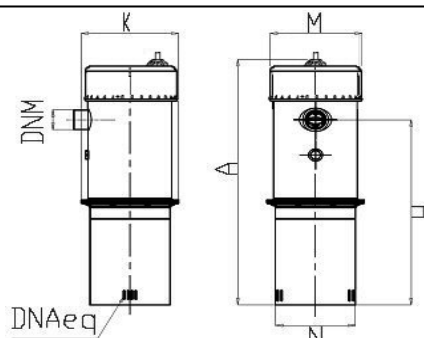
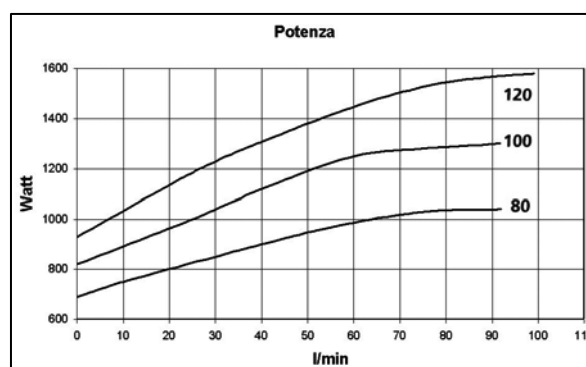
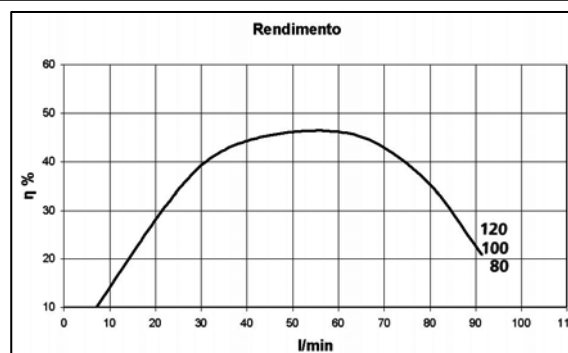
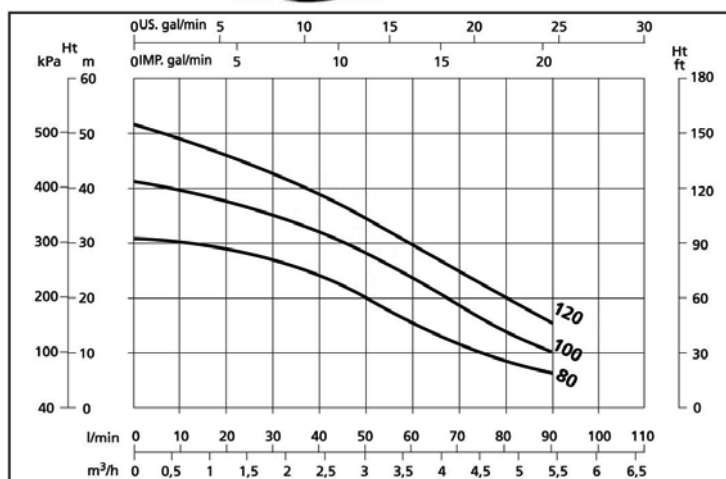
Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m

MEASUREMENTS

Code	Measures							Weight
	A	N	H	K	M	DNM	DNAeq	kg
X-MD 80B	557	164	394	202	176	1"¼	1" ¼	16.5
X-MD 100B	557	164	394	202	176	1"¼	1" ¼	17
X-MD 120B	557	164	394	202	176	1"¼	1" ¼	18



CHECK VALVE INCLUDED



Code **X-AMV**

Vertical multistage pump with electronic system

PLUS

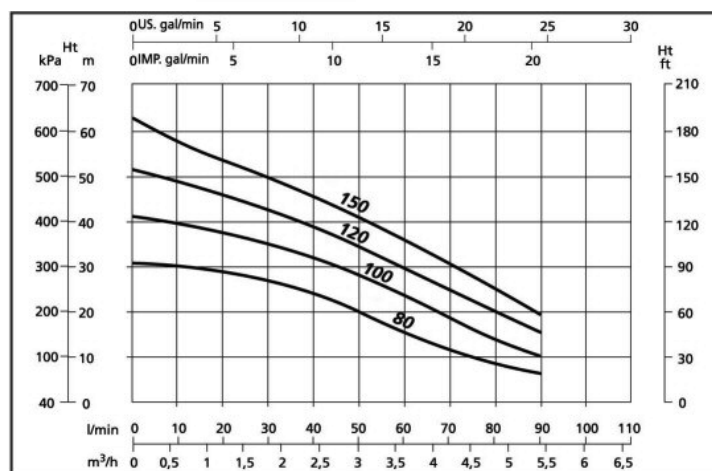
Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Pump, impellers and motor body: Aisi 304
Brass flange
Shaft: Aisi 420
Diffuser: Noryl
Rear cap: Aisi 304
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive



CHECK VALVE INCLUDED



ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. µF
	kW	HP	230V	400V	230 V	
X-AMV 80	0.60	0.8	2.4	1.6	5.15	16
X-AMV 100	0.75	1	3	2	6.0	18
X-AMV 120	0.90	1.2	3.3	2.5	7.2	20
X-AMV 150	1.10	1.5	3.6	2.7	8.4	20
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

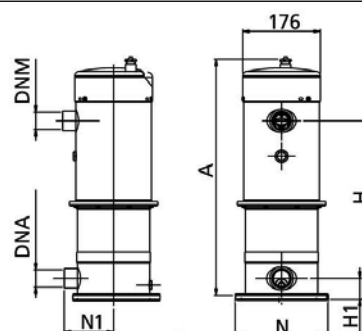
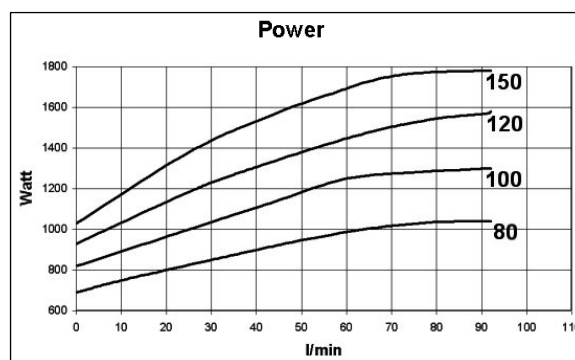
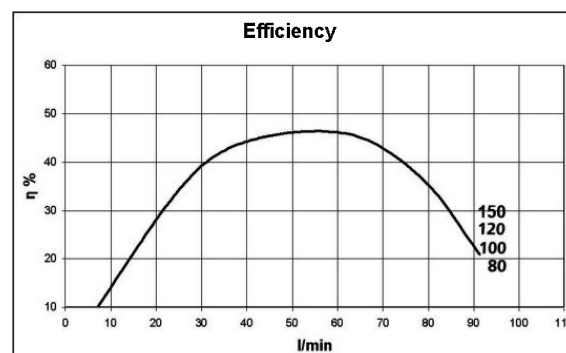
Code	Q (l/min) FLOW								
	Stages	H (m) HYDRAULIC HEAD							
		0	30	40	50	60	70	80	90
X-AMV 80	3	33	28	23	20	18	13	10	7
X-AMV 100	4	42	35	30	28	24	18	15	10
X-AMV 120	5	52	43	40	35	30	25	20	11
X-AMV 150	6	63	48	45	41	36	31	25	12

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures								Weight kg
	A	N	H	H1	N1	DNM	DNA		
X-AMV 80	570	210	394	38	112	1" 1/4	1" 1/4		16,5
X-AMV 100	570	210	394	38	112	1" 1/4	1" 1/4		17
X-AMV 120	570	210	394	38	112	1" 1/4	1" 1/4		18
X-AMV 150	570	210	394	38	112	1" 1/4	1" 1/4		19



Code **X-AMV FLO**

Vertical multistage pump with electronic system and float switch

DESCRIPTION

The pump with float switch allows having more reliability against the dry running. This system enables the pump to restart automatically without disconnecting the electrical connections. This is possible because the float switch does not feed the pump motor when the water level is lower than the set safety one but allows power to be fed to the pump when the level is higher.

This guarantees that the pump does not run dry during aspiration.

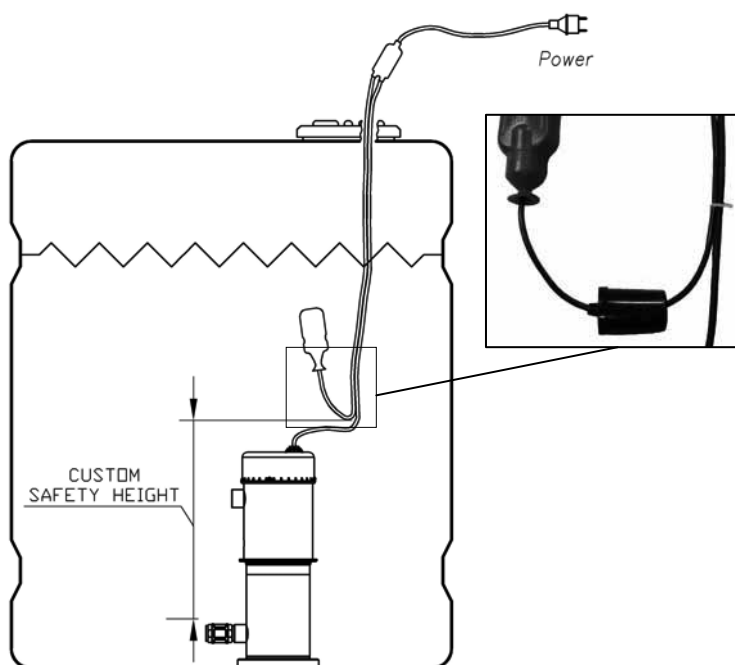
The user will set the safety level based on the local installation simply by connecting the electrical cable to the tank and setting the last tie of the floating cable.

PLUS

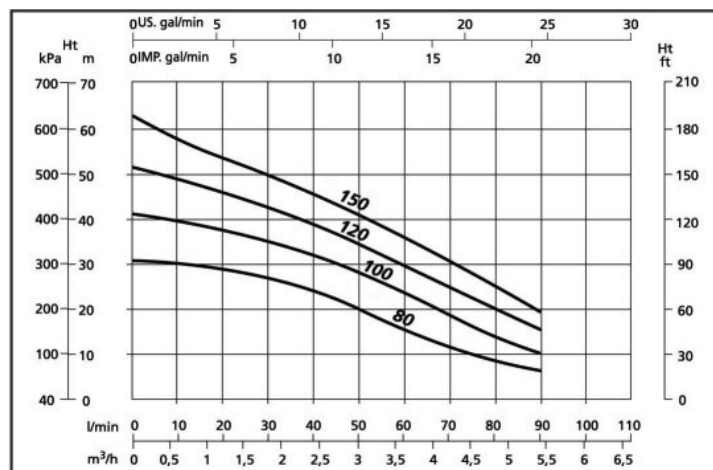
Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Pump and motor body: Aisi 304
Flange: Brass
Shaft: Aisi 420
Diffuser, Impeller and Venturi Jet: Noryl
Rear cap: Polypropilene
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive



Tank installation



ELECTRICAL FEATURES

Code	P2		3~ 50Hz		1~ 50Hz	Cap. μF
	Nom.		Amp.		Amp.	
	kW	HP	230V	400V	230 V	
X-AMV 80	0.60	0.8	2.4	1.6	5.15	16
X-AMV 100	0.75	1	3	2	6.0	18
X-AMV 120	0.90	1.2	3.3	2.5	7.2	20
X-AMV 150	1.10	1.5	3.6	2.7	8.4	20
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

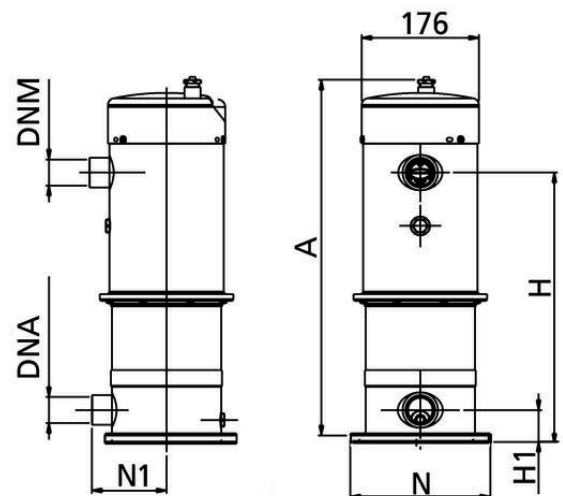
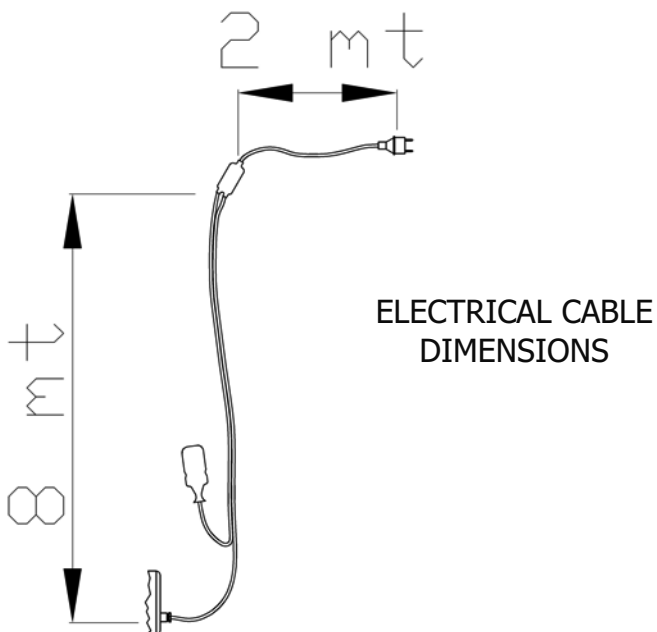
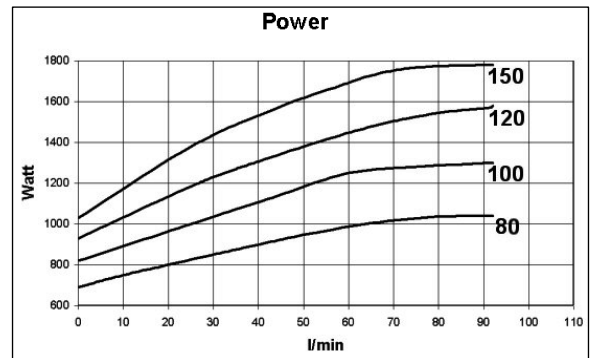
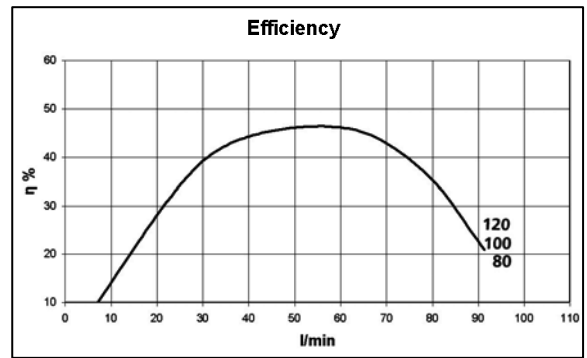
Code	Q (l/min)) FLOW								
	0 30 40 50 60 70 80 90								
	Stages	H (m) HYDRAULIC HEAD							
X-AMV 80	3	33	28	23	20	18	13	10	7
X-AMV 100	4	42	35	30	28	24	18	15	10
X-AMV 120	5	52	43	40	35	30	25	20	15
X-AMV 150	6	63	48	45	41	36	31	25	12

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight kg
	A	N	H	H1	N1	DNM	DNA	
X-AMV 80	570	210	394	38	112	1 1/4	1 1/4	16.5
X-AMV 100	570	210	394	38	112	1 1/4	1 1/4	17
X-AMV 120	570	210	394	38	112	1 1/4	1 1/4	18
X-AMV 150	570	210	394	38	112	1 1/4	1 1/4	19



Code **X-AMV CE**

Vertical multistage pump
with electronic system
and external capacitor

CE



DESCRIPTION

The version of the pump with external capacitor allows easy maintenance of the starting capacitor.



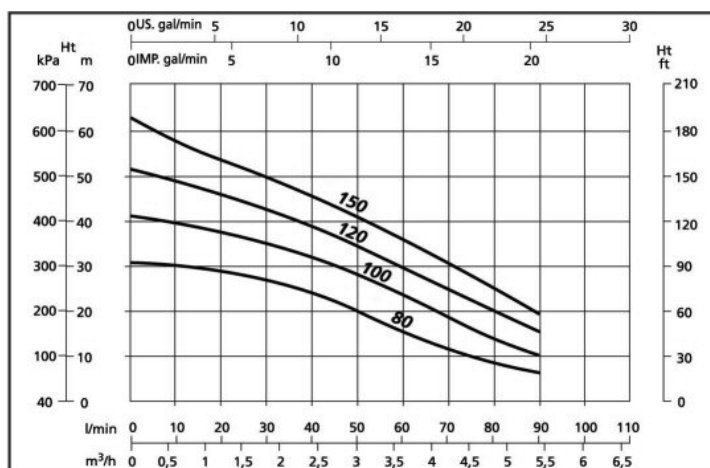
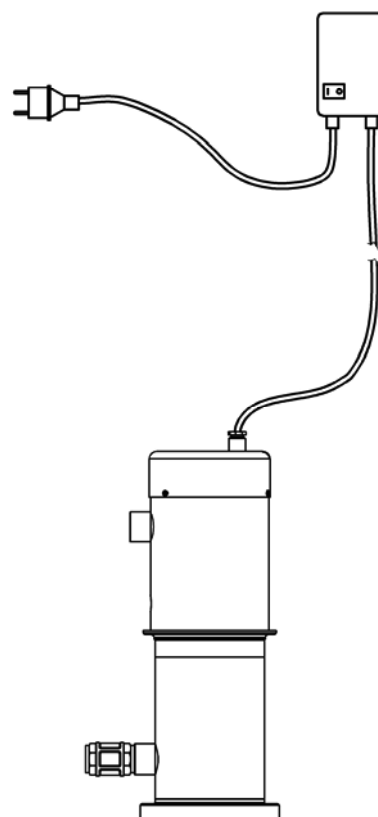
CHECK VALVE INCLUDED

PLUS

Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Pump, impellers and motor body: Aisi 304
Brass flange
Shaft: Aisi 420
Diffuser: Noryl
Rear cap: Aisi 304
Basis: Aisi 304
Tenuta meccanica in ceramica / grafite
Camera d'olio sulla tenuta
Bulloneria acciaio inox A2
O-ring in NBR 70
Cavo elettrico H07RN-F lunghezza 9mt. Pompa/box
Cavo elettrico H07RN-F lunghezza 1mt. con spina Schuko
Scheda elettronica tropicalizzata a norme Rohs
Box portacondensatore classe di protezione IP55



ELECTRICAL FEATURES

Code	P2		3~ 50Hz		1~ 50Hz	Cap.
	Nom.		Amp.		Amp.	
	kW	HP	230V	400V	230 V	μF
X-AMV 80 CE	0.60	0.8	2.4	1.6	5.15	16
X-AMV 100 CE	0.75	1	3	2	6.0	18
X-AMV 120 CE	0.90	1.2	3.3	2.5	7.2	20
X-AMV 150 CE	1.10	1.5	3.6	2.7	8.4	20
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

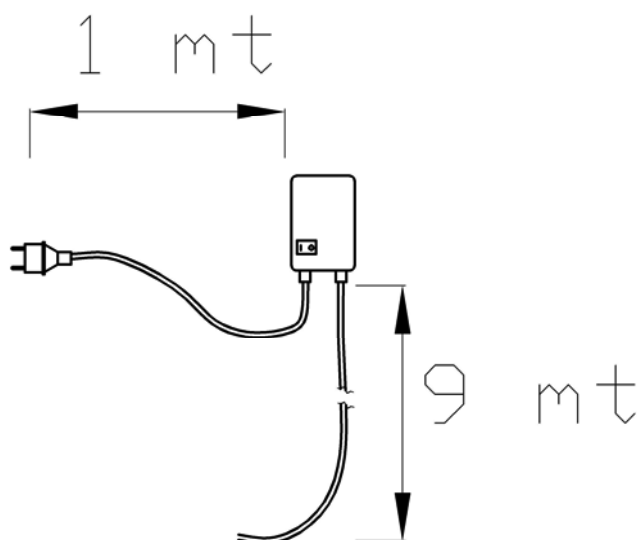
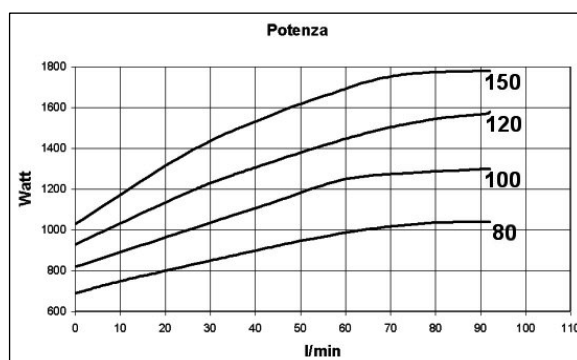
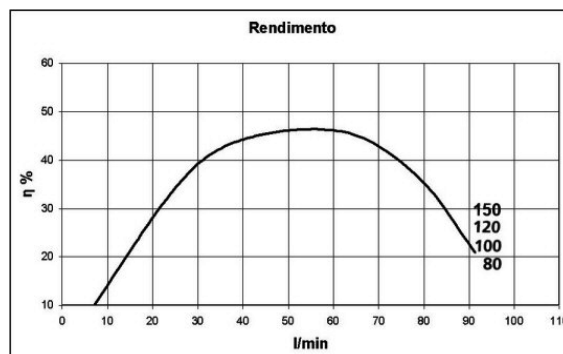
Code		Q (l/min) FLOW								
		0	30	40	50	60	70	80	90	
		H (m) HYDRAULIC HEAD								
X-AMV 80 CE	3	33	28	23	20	18	13	10	7	
X-AMV 100 CE	4	42	35	30	28	24	18	15	10	
X-AMV 120 CE	5	52	43	40	35	30	25	20	15	
X-AMV 150 CE	6	63	48	45	41	36	31	25	12	

CHARACTERISTICS AND INSTALLATION

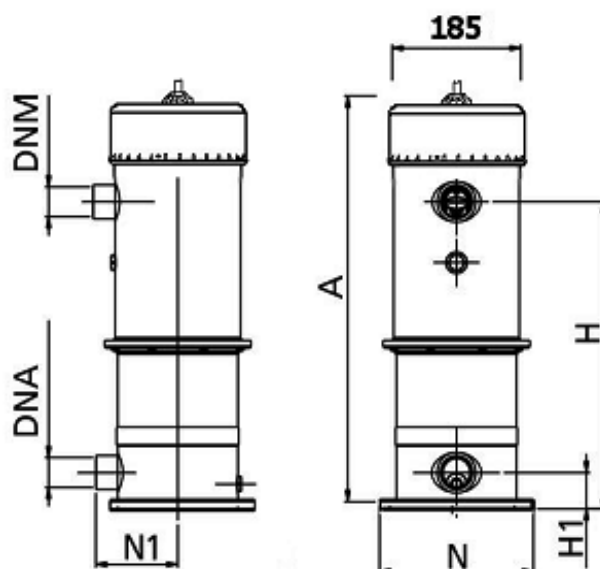
Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures								Weight kg
	A	N	H	H1	N1	DNM	DNA		
X-AMV 80 CE	570	210	394	38	112	1"1/4	1"1/4		16.5
X-AMV 100 CE	570	210	394	38	112	1"1/4	1"1/4		17
X-AMV 120 CE	570	210	394	38	112	1"1/4	1"1/4		15
X-AMV 150 CE	570	210	394	38	112	1"1/4	1"1/4		19



POWER CABLE
MEASURES



Code **X-MV HF**

High flow vertical multistage pump

PLUS

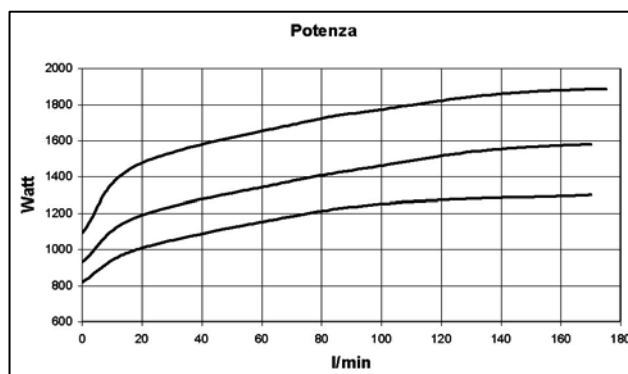
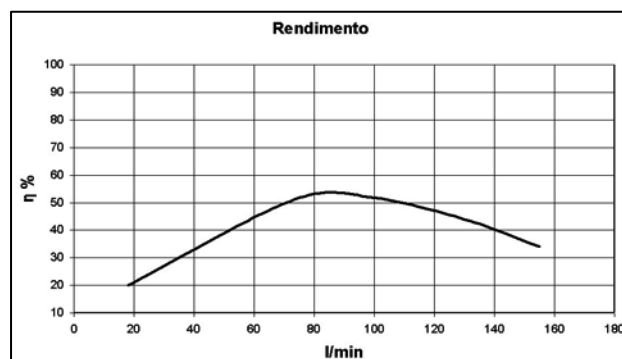
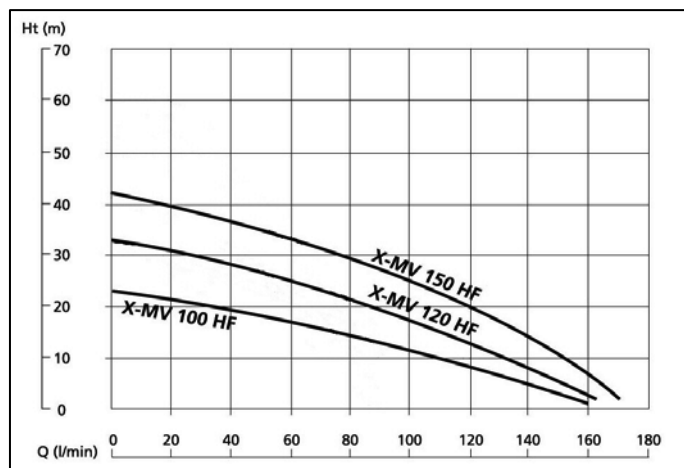
Up/Down technology for submersed, surface or underground installation
Domestic boosting
Medium sprinkling and surface irrigations
Industrial washing and cooling
Systems for potable water treatment
Protection rating IP 68

MATERIALS

Pump and motor body: Aisi 304
Flange: Brass
Shaft: Aisi 420
Diffuser, Impeller and Venturi Jet: Noryl
Rear cap: Polypropilene
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with schuko plug



CHECK VALVE INCLUDED



ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. µF
	kW	HP	230V	400V	230 V	
X-MV 100 HF	0.75	1	3	2	7.2	18
X-MV 120 HF	0.90	1.2	3.3	2.5	7.6	20
X-MV 150 HF	1.10	1.5	3.9	3.0	8.9	20
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

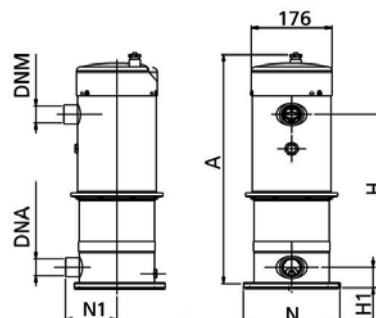
Code	Q (l/min) FLOW								
	Stages								
	H (m) HYDRAULIC HEAD								
X-MV 100 HF	2	23	22	19	17	14	11	8	4
X-MV 120 HF	3	33	31	28	25	21	17	13	6
X-MV 150 HF	4	42	39	36	33	30	26	21	11

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m

MEASUREMENTS

Code	Measures							Weight kg
	A	N	H	H1	N1	DNM	DNA	
X-MV 100 HF	570	210	394	38	112	1" 1/4	1" 1/4	17
X-MV 120 HF	570	210	394	38	112	1" 1/4	1" 1/4	18
X-MV 150 HF	570	210	394	38	112	1" 1/4	1" 1/4	19



Code **X-AJV P**

Self priming jet pump with electronic system

PLUS

Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Motor body: Aisi 304
Technopolymer flange and pump body
Shaft: Aisi 420
Diffuser, Impeller and Venturi Jet: Noryl
Rear cap: Polypropilene
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive

ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap μ F
	kW	HP	230V	400V	230 V	
X-AJE 80P	0.60	0.8	2.2	1.5	4.5	16
X-AJE 100P	0.75	1	3	1.9	5.3	16
X-AJE 120P	0.90	1.2	3.6	2.3	6.3	18
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

Code	Q (l/min) FLOW							
	0	10	20	30	40	50	60	
X-AJE 80P	H HYDRAULIC HEAD							
	m	40	33	30	24	20	15	
		47	40	35	30	25	20	5
		49	43	38	32	30	24	8

CHARACTERISTICS AND INSTALLATION

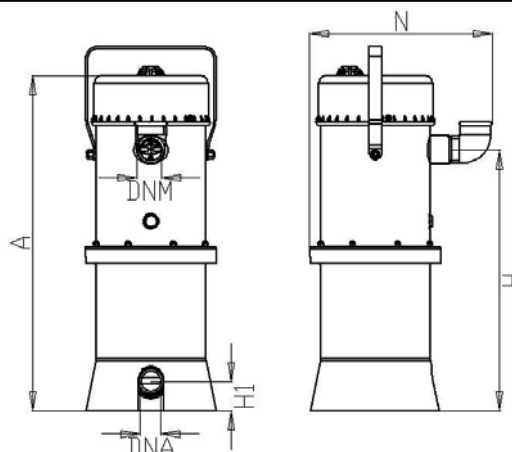
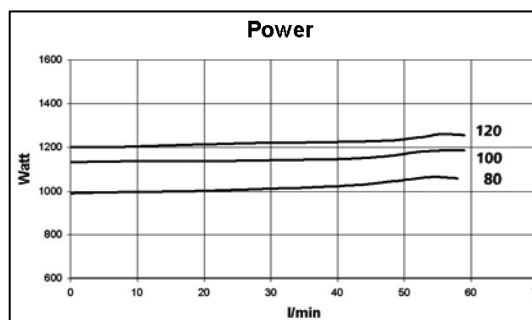
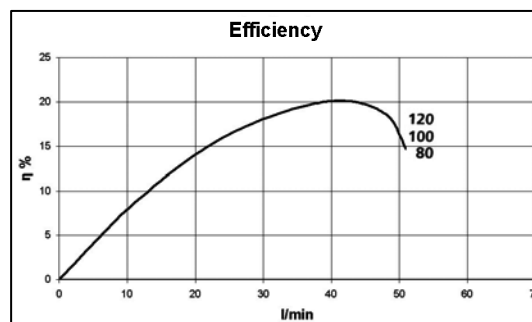
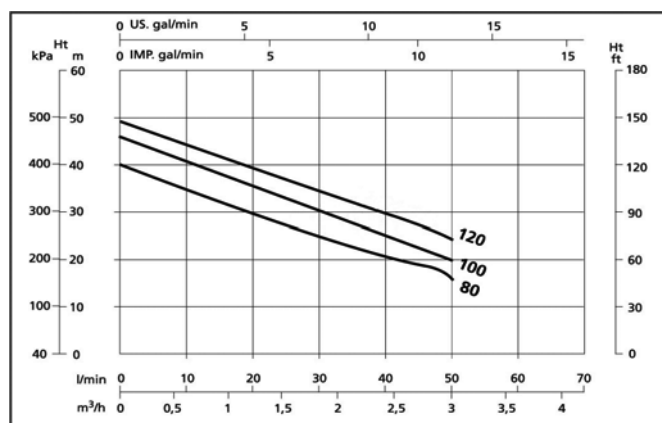
Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures						Weight kg
	A	H	H1	N	DNM	DNA	
X-AJE 80P	525	409	46	287	1"1/4	1"	12
X-AJE 100P	555	439	46	287	1"1/4	1"	12.5
X-AJE 120P	555	439	46	287	1"1/4	1"	13.5



CHECK VALVE INCLUDED



Code **X-AJV P FLO**

Self-priming Jet pump
with electronic system
and float switch



DESCRIPTION

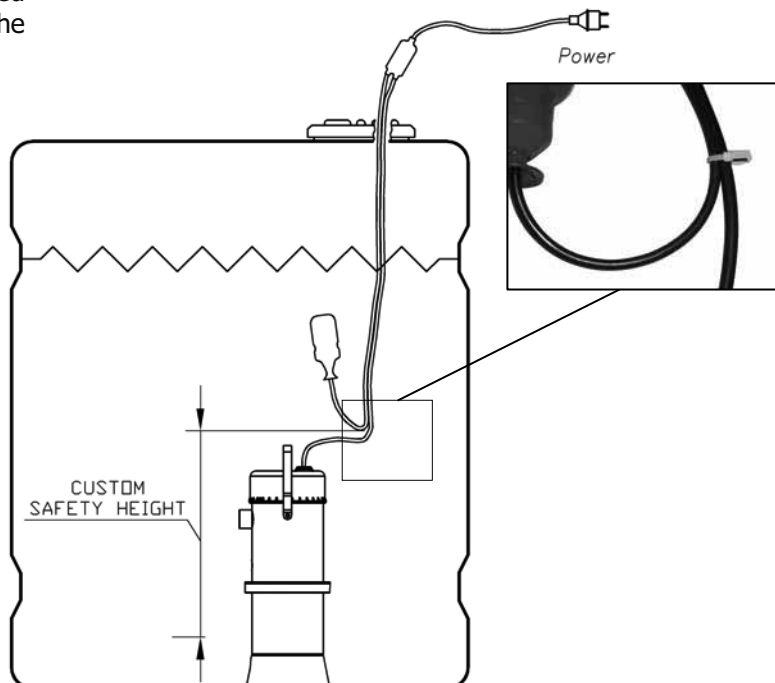
The version of the pump with float switch provides additional security against running dry and allows the recovery of functionality without having to disconnect the power supply. This operation is possible as the float doesn't supply the motor when the water level is less than the height of security setting when the level is higher it starts, ensuring the impossibility of working in the absence of water to the pump suction. The customer will adjust the height of security setting based upon its installation attaching simply the power cable to the tank and adjusting the last collar of the floating cable.

PLUS

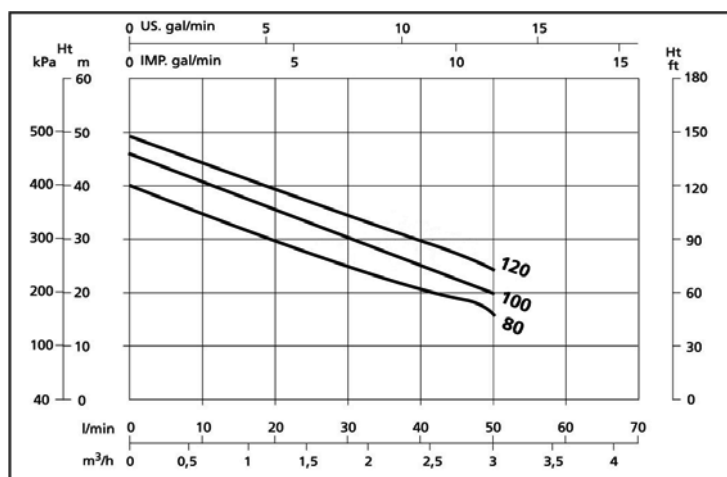
Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Motor body: Aisi 304
Technopolymer flange and pump body
Shaft: Aisi 420
Diffuser, Impeller and Venturi Jet: Noryl
Rear cap: Polypropilene
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive



Tank installation



ELECTRICAL FEATURES

	P2		3~ 50Hz		1~ 50Hz	
Code	Nom.		Amp.		Amp.	Cap.
	kW	HP	230V	400V	230 V	μF
X-AJV 80P	0.60	0.8	2.2	1.5	4.5	16
X-AJV 100P	0.75	1	3	1.9	5.3	16
X-AJV 120P	0.90	1.2	3.6	2.3	6.3	18
Classe isolamento motore F			Servizio motore S1			

HYDRAULIC FEATURES

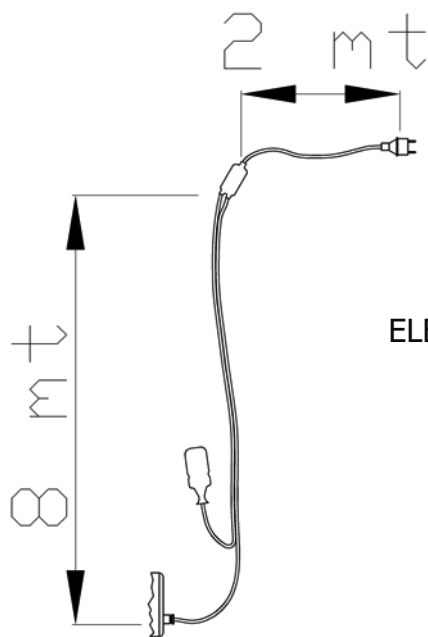
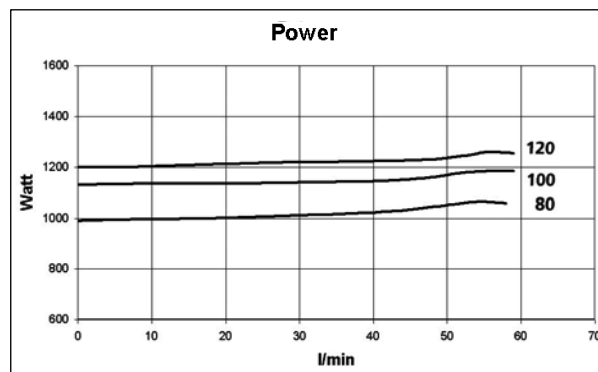
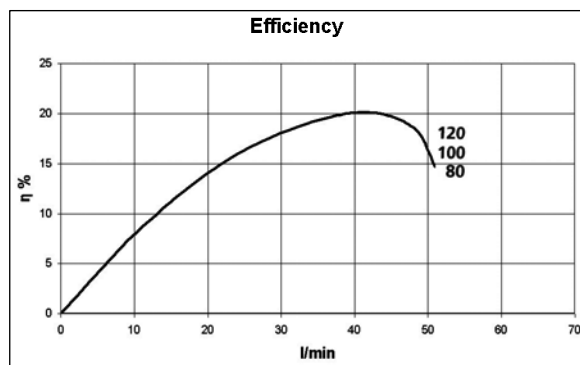
		Q (l/min) FLOW						
Code		0	10	20	30	40	50	60
		H HYDRAULIC HEAD						
		40	33	30	24	20	15	
X-AJV 80P	m	47	40	35	30	25	20	5
X-AJV 100P		49	43	38	32	30	24	8
X-AJV 120P								

CHARACTERISTICS AND INSTALLATION

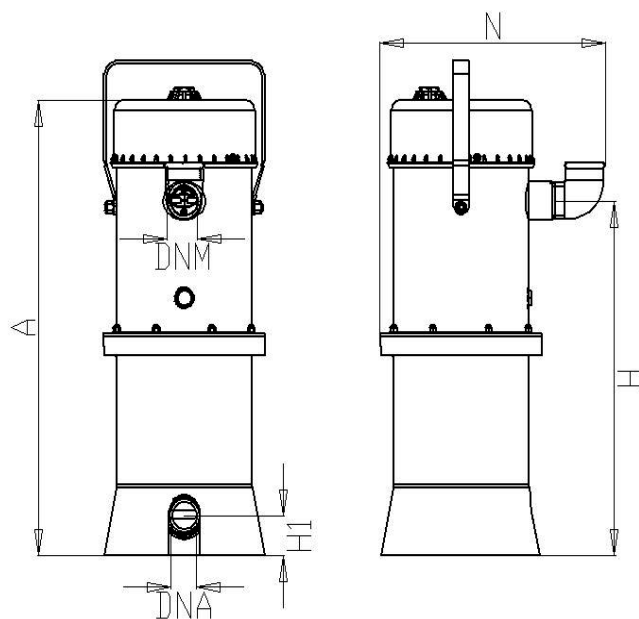
Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight
	A	N	H	H1	N1	DNM	DNA	kg
X-AJV 80P	447	200	226	163	136	1"¼	1"	12
X-AJV 100P	477	200	226	163	136	1"¼	1"	12.5
X-AJV 120P	477	200	226	163	136	1"¼	1"	13.5



ELECTRICAL CABLE DIMENSIONS



Code **X-AJV P CE**

Self-priming Jet centrifugal pump with electronic system and external capacitor



DESCRIPTION

The version of the pump with external capacitor allows easy maintenance of the starting capacitor.



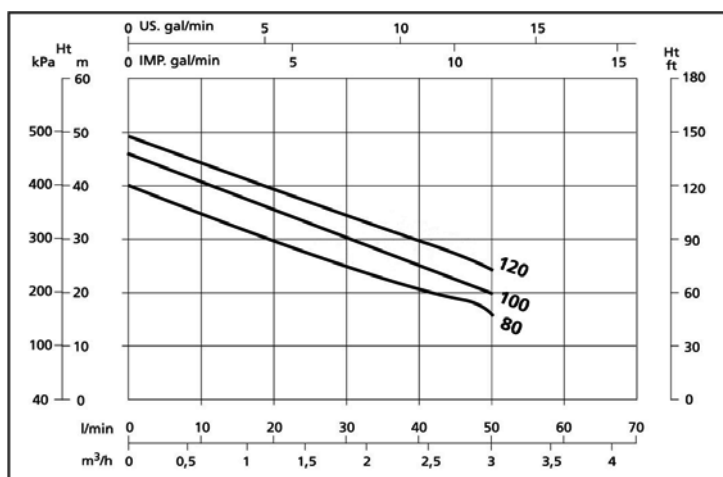
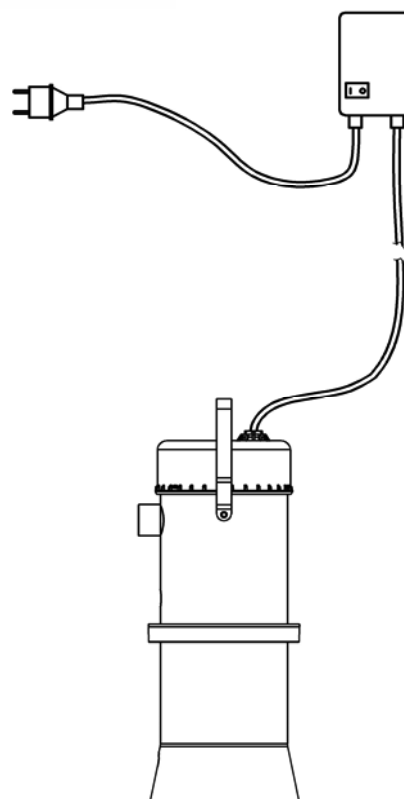
CHECK VALVE INCLUDED

PLUS

Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Pump and motor body: Aisi 304
Technopolymer flange
Shaft: Aisi 420
Diffuser, Impeller and Venturi Jet: Noryl
Rear cap: Polypropilene
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive
Capacitor case: Protection rating IP55



ELECTRICAL FEATURES

Code	P2		3~ 50Hz		1~ 50Hz	Cap.
	Nom.		Amp.		Amp.	
	kW	HP	230V	400V	230 V	
X-AJV 80P CE	0.60	0.8	2.2	1.5	4.5	16
X-AJV 100P CE	0.75	1	3	1.9	5.3	16
X-AJV 120P CE	0.90	1.2	3.6	2.3	6.3	18
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

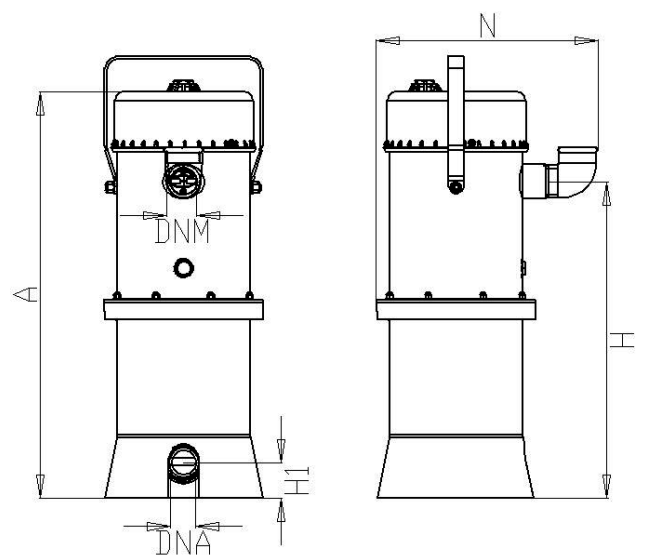
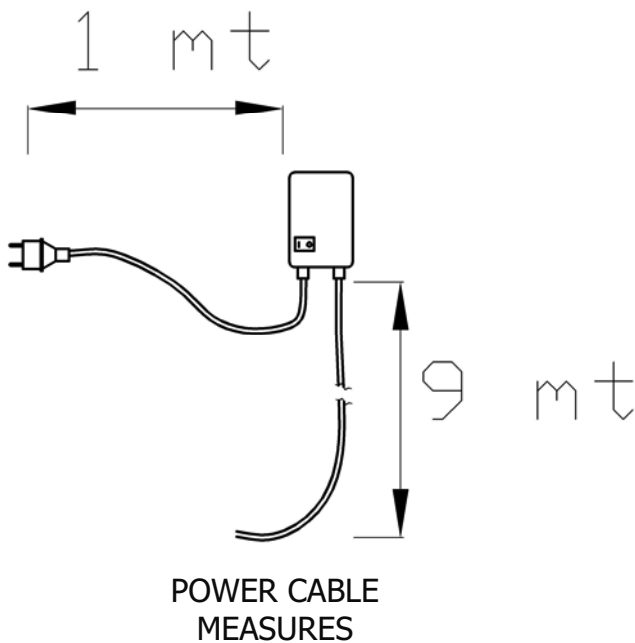
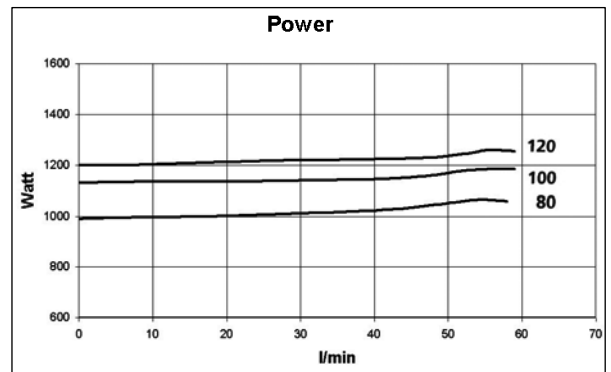
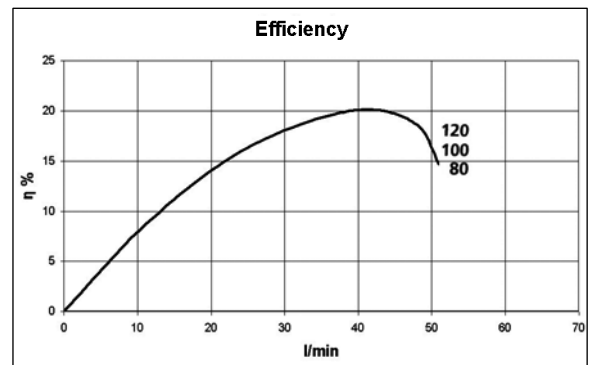
Code		Q (l/min) FLOW					
		0	10	20	30	40	50
	m	H HYDRAULIC HEAD					
		40	33	30	24	20	15
		47	40	35	30	25	20
		49	43	38	32	30	24

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight
	A	N	H	H1	N1	DNM	DNA	kg
X-AJV 80P CE	447	200	226	163	136	1"¼	1"	12
X-AJV 100P CE	477	200	226	163	136	1"¼	1"	12.5
X-AJV 120P CE	477	200	226	163	136	1"¼	1"	13.5



Code **X-1A**

Electronic booster sets with Inox tank

PLUS

Up/Down technology for submersed, surface or underground installation
Automatic system of water supply; dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

MATERIALS

Pump and motor body: Aisi 304
Technopolymer flange
Shaft: Aisi 420
Diffuser, Impeller and Venturi Jet: Noryl
Rear cap: Polypropilene
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive

ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. μF
	kW	HP	230V	400V	230 V	
X-AJE 80	0.60	0.8	2.2	1.5	4.5	16
X-AJE 100	0.75	1	3	1.9	5.3	16
X-AJE 120	0.90	1.2	3.6	2.3	6.3	18
X-AMO 80	0.60	0.8	2.4	1.6	4.8	16
X-AMO 100	0.75	1	3	2	6.0	18
X-AMO 120	0.90	1.2	3.3	2.5	7.2	20
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

Code	Q (l/min) FLOW							
	0	20	40	50	60	80	100	
	H HYDRAULIC HEAD							
	40	30	20	15				
X-AJE 80	47	35	25	20	5			
X-AJE 100	49	40	30	24	8			
X-AMO 80	33	28	23	20	18	10		
X-AMO 100	42	37	30	28	24	15		
X-AMO 120	52	46	40	35	30	20	8	

CHARACTERISTICS AND INSTALLATION

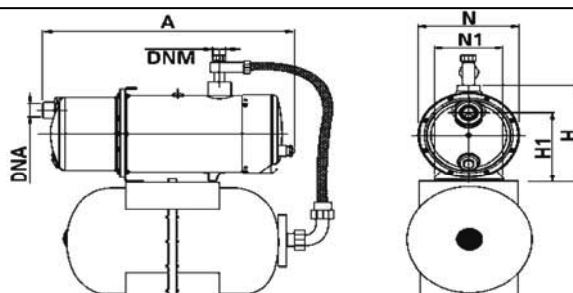
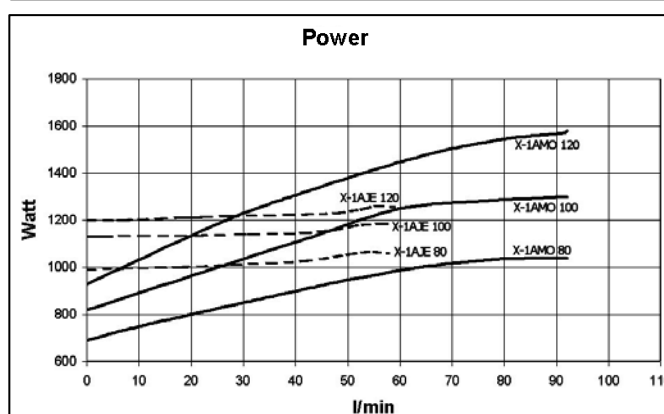
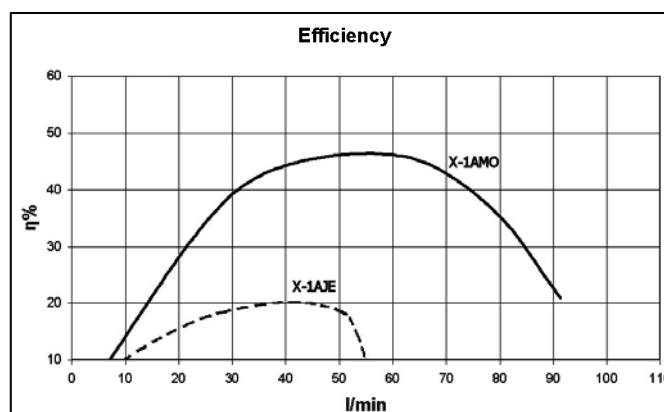
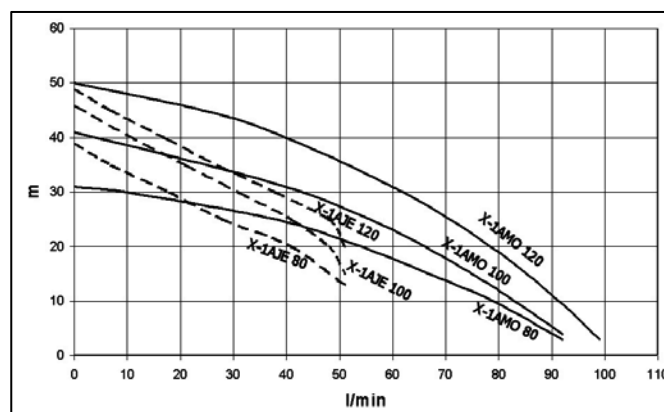
Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m
Calibrating pressure rate switch	1.5 bar

MEASUREMENTS

Code	Measures							Weight kg
	A	N	H	H1	N1	DNM	DNA	
X-AJE 80	447	200	226	163	136	1"¼	1"	22
X-AJE 100	477	200	226	163	136	1"¼	1"	22.5
X-AJE 120	477	200	226	163	136	1"¼	1"	23.5
X-AMO 80	477	200	226	163	136	1"¼	1"	23
X-AMO 100	477	200	226	163	136	1"¼	1"	23.5
X-AMO 120	477	200	226	163	136	1"¼	1"	24.5



CHECK VALVE INCLUDED



Code **X-2**

Electronic booster sets



PLUS

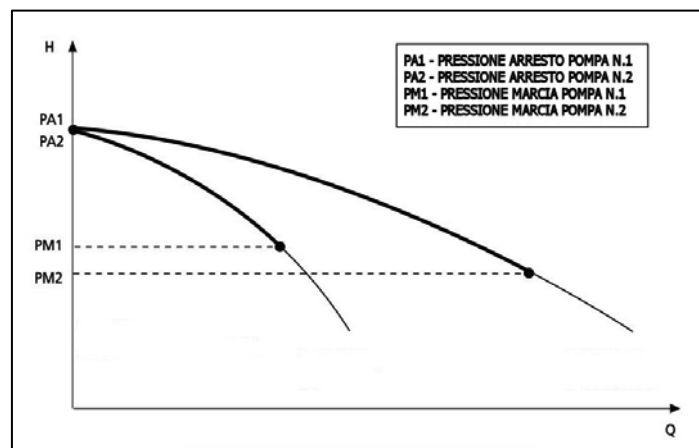
Domestic boosting
Industrial boosting
Fountains and water plays
Dry-running protection

MATERIALS

Pump, impellers and motor body: Aisi 304
Motor flange: Brass
Shaft: Aisi 420
Diffuser: Noryl
Rear cap: Aisi 304
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive



CHECK VALVE INCLUDED



ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. μ F
	kW	HP	230V	400V	230 V	
X2 MO 100	0.75+0.75	1+1	-	-	6+6	18/450V
X2 MO 120	0.9+0.9	1.2+1.2	-	-	7.2+7.2	20/450V
X2 MO 100T	0.75+0.75	1+1	3+3	2+2	-	-
X2 MO 120T	0.9+0.9	1.2+1.2	3.3	2.5+2.5	-	-

Class F insulated motor S1 Motor Service Factor

HYDRAULIC FEATURES

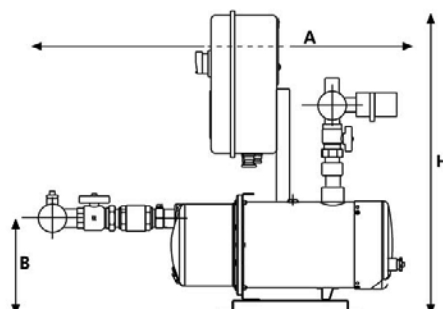
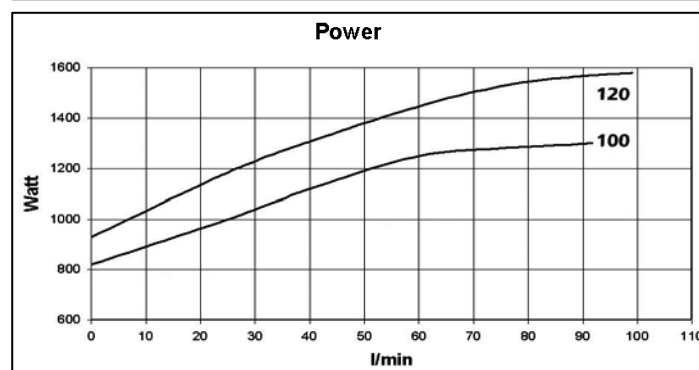
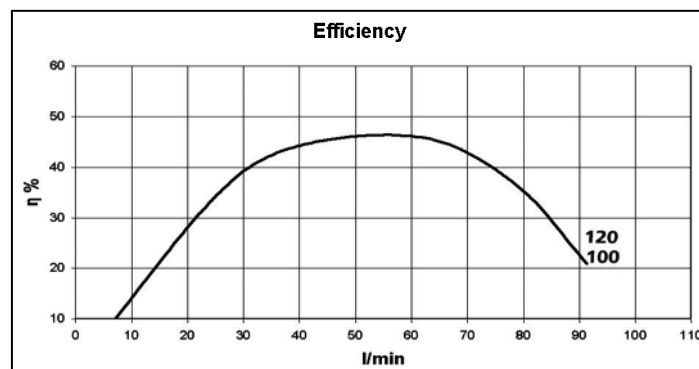
Code	Q (l/min) FLOW								
	Stadi	H (m) HYDRAULIC HEAD							
		0	60	80	100	120	140	160	180
X2 MO 100	4	42	35	30	28	24	18	15	10
X2 MO 120	5	52	43	40	35	30	25	20	15
X2 MO 100T	4	42	35	30	28	24	18	15	10
X2 MO 120T	5	52	43	40	35	30	25	20	15

CHARACTERISTICS AND INSTALLATION

Drained liquid		Clean water
Liquid temperature range		+2°C ÷ +37°C
Air temperature		max +45°C
X2 MO 100	Apartments supplied: 2-3	Performance max. 180 l/min
X2 MO 120	Apartments supplied: 2-4	Performance max. 200 l/min
X2 MO 100T	Apartments supplied: 2-4	Performance max. 180 l/min
X2 MO 120T	Apartments supplied: 2-5	Performance max. 200 l/min

MEASUREMENTS

Code	Measures				
	A	B	H	DNM	DNA
X2 MO 100	800	200	600	2"	2"
X2 MO 120	800	200	600	2"	2"
X2 MO 100T	800	200	600	2"	2"
X2 MO 120T	800	200	600	2"	2"



Code **X-2V**

Electronic booster sets

PLUS

Domestic boosting
Industrial boosting
Fountains and water plays
Dry-running protection

MATERIALS

Pump, impellers and motor body: Aisi 304
Motor flange: Brass
Shaft: Aisi 420
Diffuser: Noryl
Rear cap: Aisi 304
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive

ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.		Cap. μF
	kW	HP	230V	400V	230 V		
X2 MV 100	0.75+0.75	1+1	-	-	6+6	18/450V	
X2 MV 120	0.9+0.9	1.2+1.2	-	-	7.2+7.2	20/450V	
X2 MV 150	1.1+1.1	1.5+1.5	-	-	8.8+8.8	20/450V	
X2 MV 100T	0.75+0.75	1+1	3+3	2+2	-	-	
X2 MV 120T	0.9+0.9	1.2+1.2	3.3+3.3	2.5+2.5	-	-	
X2 MV 150T	1.1+1.1	1.5+1.5	3.6+3.6	2.7+2.7	-	-	
Class F insulated motor			S1 Motor Service Factor				

HYDRAULIC FEATURES

Code	Q (l/min) FLOW								
	Stages	0	60	80	100	120	140	160	180
		H (m) HYDRAULIC HEAD							
X2 MV 100	4	42	35	30	28	24	18	15	10
X2 MV 120	5	52	43	40	35	30	25	20	15
X2 MV 150	6	63	51	45	42	36	25	25	18
X2 MV 100T	4	42	35	30	28	24	18	15	10
X2 MV 120T	5	52	43	40	35	30	25	20	15
X2 MV 150T	6	63	51	45	42	36	25	25	18

CHARACTERISTICS AND INSTALLATION

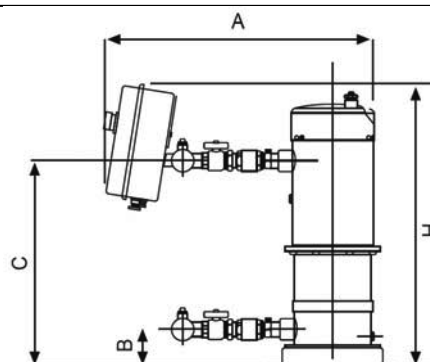
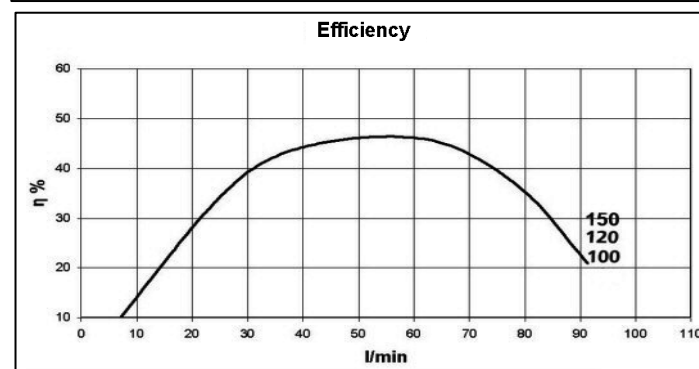
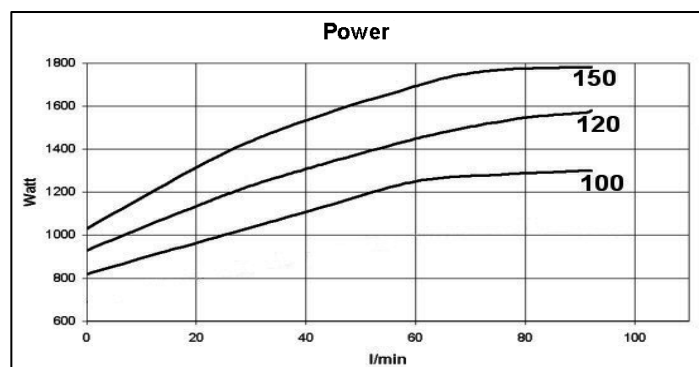
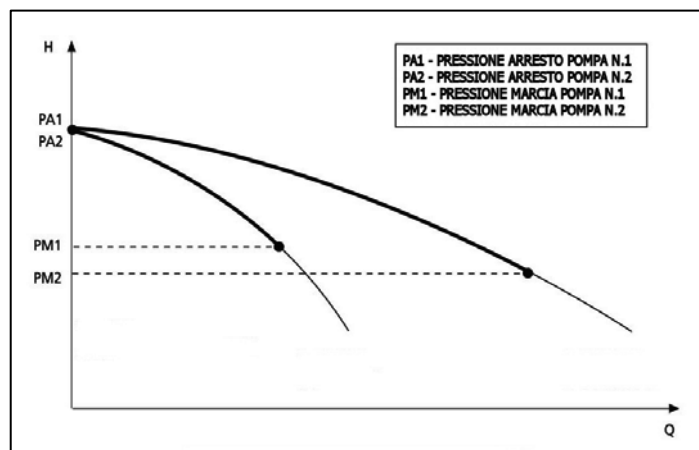
Drained liquid		Clean water
Liquid temperature range		+2°C ÷ +37°C
Air temperature		max +45°C
X2 MV 100	Apartments supplied: 2-3	Performance max. 180 l/min
X2 MV 120	Apartments supplied: 2-4	Performance max. 200 l/min
X2 MV 150	Apartments supplied: 3-6	Performance max. 210 l/min
X2 MV 100T	Apartments supplied: 2-5	Performance max. 180 l/min
X2 MV 120T	Apartments supplied: 2-5	Performance max. 200 l/min
X2 MV 150T	Apartments supplied: 3-6	Performance max. 210 l/min

MEASUREMENTS

Code	Measures					
	A	B	C	H	DNM	DNA
X2 MV 100	560	130	470	650	2"	2"
X2 MV 120	560	130	470	650	2"	2"
X2 MV 150	560	130	470	650	2"	2"
X2 MV 100T	560	130	470	650	2"	2"
X2 MV 120T	560	130	470	650	2"	2"
X2 MV 150T	560	130	470	650	2"	2"



CHECK VALVE INCLUDED



Code **X-3V**

Electronic booster sets

PLUS

Domestic boosting
Industrial boosting
Fountains and water plays
Dry-running protection

MATERIALS

Pump, impellers and motor body: Aisi 304
Motor flange: Brass
Shaft: Aisi 420
Diffuser: Noryl
Rear cap: Aisi 304
Basis: Aisi 304
Mechanical seal: Graphite ceramics
Mechanical seal lubricated by a special oil chamber
A2 Stainless steel bolts
NBR70 O-ring
H07RN-F Electric cable 10m length with Schuko plug
Tropicalized circuit board in compliance with the RoHS directive

ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz		1~ 50Hz	
	kW	HP	230V	400V	Amp. 230 V	Cap. μ F
X3 MV 100	3 X 0.75	3 X 1	-	-	3 X 6	18/450V
X3 MV 120	3 X 0.9	3 X 1.2	-	-	3 X 7.2	20/450V
X3 MV 150	3 X 1.1	3 X 1.5	-	-	3 X 8.8	20/450V
X3 MV 100T	3 X 0.75	3 X 1	3 X 3	3 X 2	-	-
X3 MV 120T	3 X 0.9	3 X 1.2	3 X 3.3	3 X 2.5	-	-
X3 MV 150T	3 X 1.1	3 X 1.5	3 X 3.6	3 X 2.7	-	-
Class F insulated motor			S1 Motor Service Factor			

HYDRAULIC FEATURES

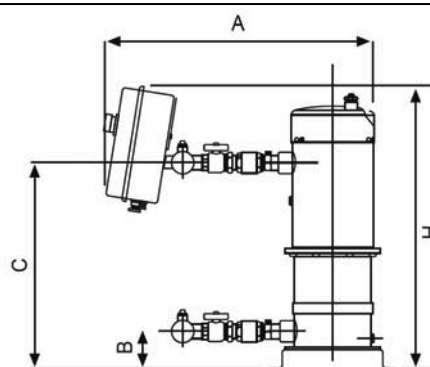
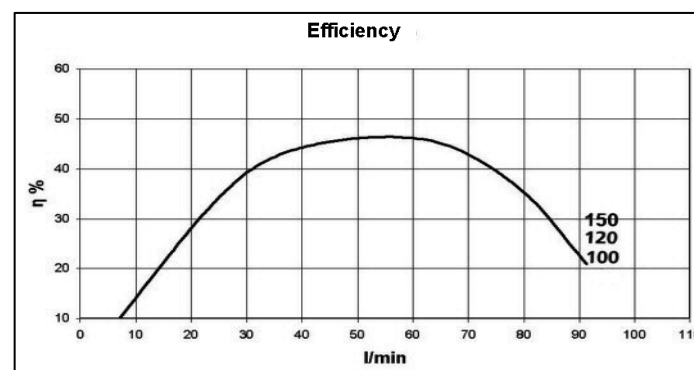
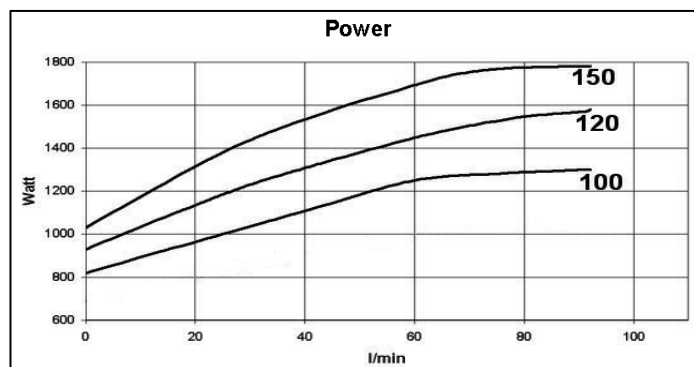
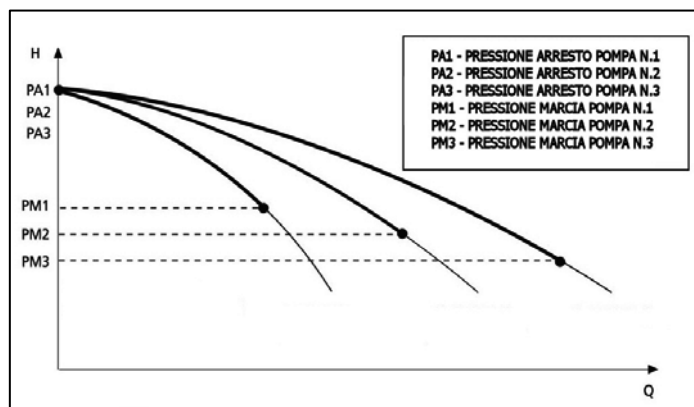
Code	Q (l/min) FLOW									
	Stages	0	90	120	150	180	210	240	270	
		H (m) HYDRAULIC HEAD								
X3 MV 100	4	42	35	30	28	24	18	15	10	
X3 MV 120	5	52	43	40	35	30	25	20	15	
X3 MV 150	6	63	51	45	42	36	25	25	18	
X3 MV 100T	4	42	35	30	28	24	18	15	10	
X3 MV 120T	5	52	43	40	35	30	25	20	15	
X3 MV 150T	6	63	51	45	42	36	25	25	18	

CHARACTERISTICS AND INSTALLATION

Drained liquid		Clean water
Liquid temperature range		+2°C ÷ +37°C
Air temperature		max +45°C
X3 MV 100	Apartments supplied: 2-6	Performance max. 270 l/min
X3 MV 120	Apartments supplied: 2-8	Performance max. 300 l/min
X3 MV 150	Apartments supplied: 3-10	Performance max. 315 l/min
X3 MV 100T	Apartments supplied: 2-7	Performance max. 270 l/min
X3 MV 120T	Apartments supplied: 2-9	Performance max. 300 l/min
X3 MV 150T	Apartments supplied: 3-11	Performance max. 315 l/min

MEASUREMENTS

Code	Measures					
	A	B	C	H	DNM	DNA
X3 MV 100	760	130	470	550	2"	2"
X3 MV 120	760	130	470	550	2"	2"
X3 MV 150	760	130	470	550	2"	2"
X3 MV 100T	760	130	470	550	2"	2"
X3 MV 120T	760	130	470	550	2"	2"
X3 MV 150T	760	130	470	550	2"	2"



Code **X-MO B** **INVERTER**

Electronic booster sets with
Inverter

PLUS

Up/Down technology for submersed, surface or underground installation

Automatic system of water supply; dry-running protection

Protection rating IP68

The inverter installed on the pipe regulates constantly the pump activity; this unit utilizes only the necessary power supply in order to satisfy required performances

The electronic star doesn't cause hammering both switching on and stopping the pump

Easy regulation

Alarm signal display with problem description

Over current protection

MATERIALI

Pump, impellers and motor body: Aisi 304

Motor flange: Technopolymer

Basis: Aisi 420

Mechanical seal: Graphite ceramics/ Lubricated by a special oil chamber

H07RN-F Electric cable 10m length

Manifold : Stainless steel

ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cap. monophase μF
	kW	HP	230V	400V	230 V	
X-MO 100 B INVERTER	0.75+0.75	1+1	3+3	2+2	6.0+6.0	20
X-MO 120 B INVERTER	0.9+ 0.9	1.2+1.2	3.3	2.5+2.5	7.5+7.5	20

ELECTRICAL FEATURES

Code	Q (l/min) FLOW								
	Stages	0	60	80	100	120	140	160	180
		H (m) HYDRAULIC HEAD							
X-MO 100 B INVERTER	4	42	35	30	28	24	18	15	10
X-MO 120 B INVERTER	5	52	43	40	35	30	25	20	11

CHARACTERISTICS AND INSTALLATION

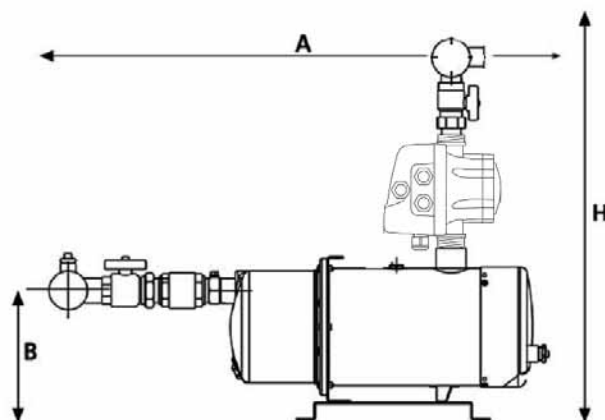
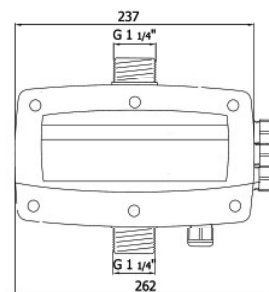
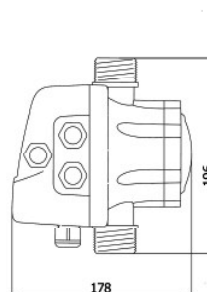
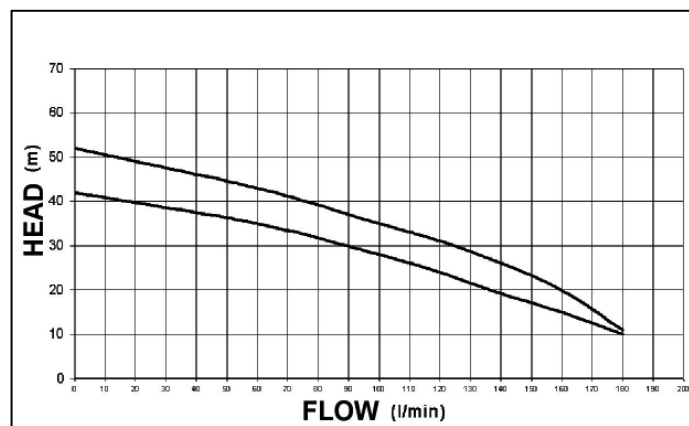
Drained liquid	Clean water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m

MEASUREMENTS

Code	Measures					Weight kg
	A	B	H	DNM	DNA	
X-MO 100 B INVERTER	800	200	700	2"	2"	35
X-MO 120 B INVERTER	800	200	700	2"	2"	37



CHECK VALVE INCLUDED



Mod. **X-MV B** **X-MO B** **INVERTER**

Electronic multistage pump with
Inverter

PLUS

Up/Down technology for submersed, surface or underground installation

Automatic system of water supply; dry-running protection

Protection rating IP68

The inverter installed on the pipe regulates constantly the pump activity; this unit utilizes only the necessary power supply in order to satisfy required performances

The electronic star doesn't cause hammering both switching on and stopping the pump

Easy regulation

Alarm signal display with problem description

Over current protection

The inverter installed on the pipe regulates constantly the pump activity; this unit utilizes only the necessary power supply in order to satisfy required performances

MATERIALS

Pump, impellers and motor body: Aisi 304

Motor flange: Technopolymer

Basis: Aisi 420

Mechanical seal: Graphite ceramics/ Lubricated by a special oil chamber

H07RN-F Electric cable 10m length

ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp.		1~ 50Hz Amp.	Cond. (monofase) µF
	kW	HP	230V	400V	230 V	
X-MV 120 B INVERTER	0.90	1.2	3.3	2.5	7.5	20
X-MO 120 B INVERTER	0.90	1.2	3.3	2.5	7.5	20
Classe isolamento motore F			Servizio motore S1			

ELECTRICAL FEATURES

Code	Q (l/min) FLOW								
		0	30	40	50	60	70	80	90
	Stadi	H (m) HEAD							
X-MV 120 B INVERTER	5	52	43	40	35	30	25	20	11
X-MO 120 B INVERTER	5	52	43	40	35	30	25	20	11

CHARACTERISTICS AND INSTALLATION

Drained liquid	Acqua pulita
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 5 m

MEASUREMENTS

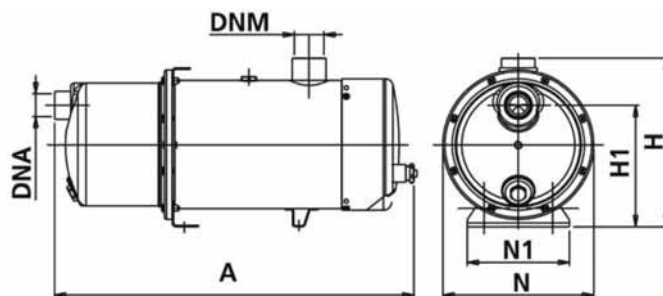
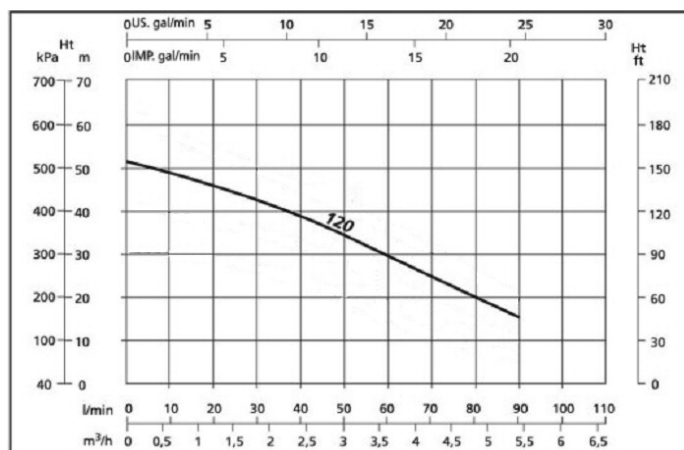
Code	Measures							Weight kg
	A	N	H	H1	N1	DNM	DNA	
X-MV 120 B INVERTER	570	210	394	38	112	1"¼	1" ¼	15
X-MO 120 B INVERTER	477	200	226	163	136	1"¼	1"	14



Mod. MV



Mod. MO



STEELPUMPS

EVOLUTION

RAINHARVESTING SYSTEM

- Mod. **KR JV** Self-priming vertical pump system
- Mod. **KR JE** Self-priming pump system
- Mod. **KR MO** Multistage pump system
- Mod. **KR MO V** Multistage pump vertical system

When a rain water storage tank is installed, it is wise to have a submersible pump installed to pressurize reclaimed water, and feed all home appliances... (toilets, washing machine, water taps outside the home, domestic garden irrigation ..)
If there is prolonged absence of rain, reclaimed water will run out so it is necessary to install a rain water harvesting system directly from the aqueduct to feed the domestic appliances. (Fig. A)

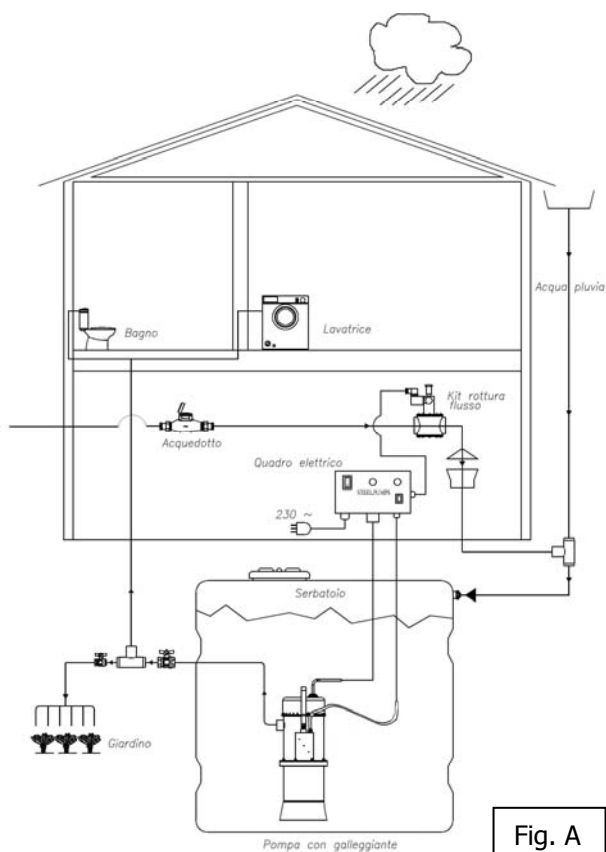


Fig. A



In accordance to the European law it is prohibited to allow reclaimed rainwater to come into contact with the mains water system in order to exclude any possibility of contamination or infection to the public network.

It is therefore necessary to install a special kit to avoid any contamination and it must be clearly visible for any examination by authorities.(Fig. C)

This special system, called 'refeeding Kit', does not allow in any circumstances the possibility of contact between mains pipes and reclaimed rainwater.

This kit there includes an electric valve to control the water flow coming from the mains.

This controlled flow avoids turbulences from the water within the 'refeeding kit' preventing harmful leakages of water as these leakages may cause damages to the surrounding structures in the long run. In addition, this regular flow control helps prevent harmful "hammerings" to the mains system avoid noise and damages to the water system, specifically to the household appliances. The presence of a probe system ensures a fine and continuous check of the minimum rainwater level to prevent the pump going into alarm function due to lack of water. In the case of lack of water a signal will be given to the control panel to open the electric valve of the 'refeeding kit'.

This type of probe system is integrated to the pump by a stainless steel support (Fig.B), granting always a minimum water level into the tank (4 / 6 cm).

The pump turns on automatically in the case of water demand. It includes an anti-blocking system which checks the pump status every 72 hours and turns the pump on for 1 sec. in order to keep the rotor from the diffuser unlocked and to lubricate the two seals protecting the oil chamber.

The technical condition of system can be seen by the customer on the control panel (Fig. C), where there pump activity is shown.

The customer will never have problems due to lack of rainwater when using this high-technical solution.

Having the pump installed inside the tank avoids any annoying noises, obstructions due to other smaller tanks, ugly rubbish bins to be installed close to the drip tray etc..

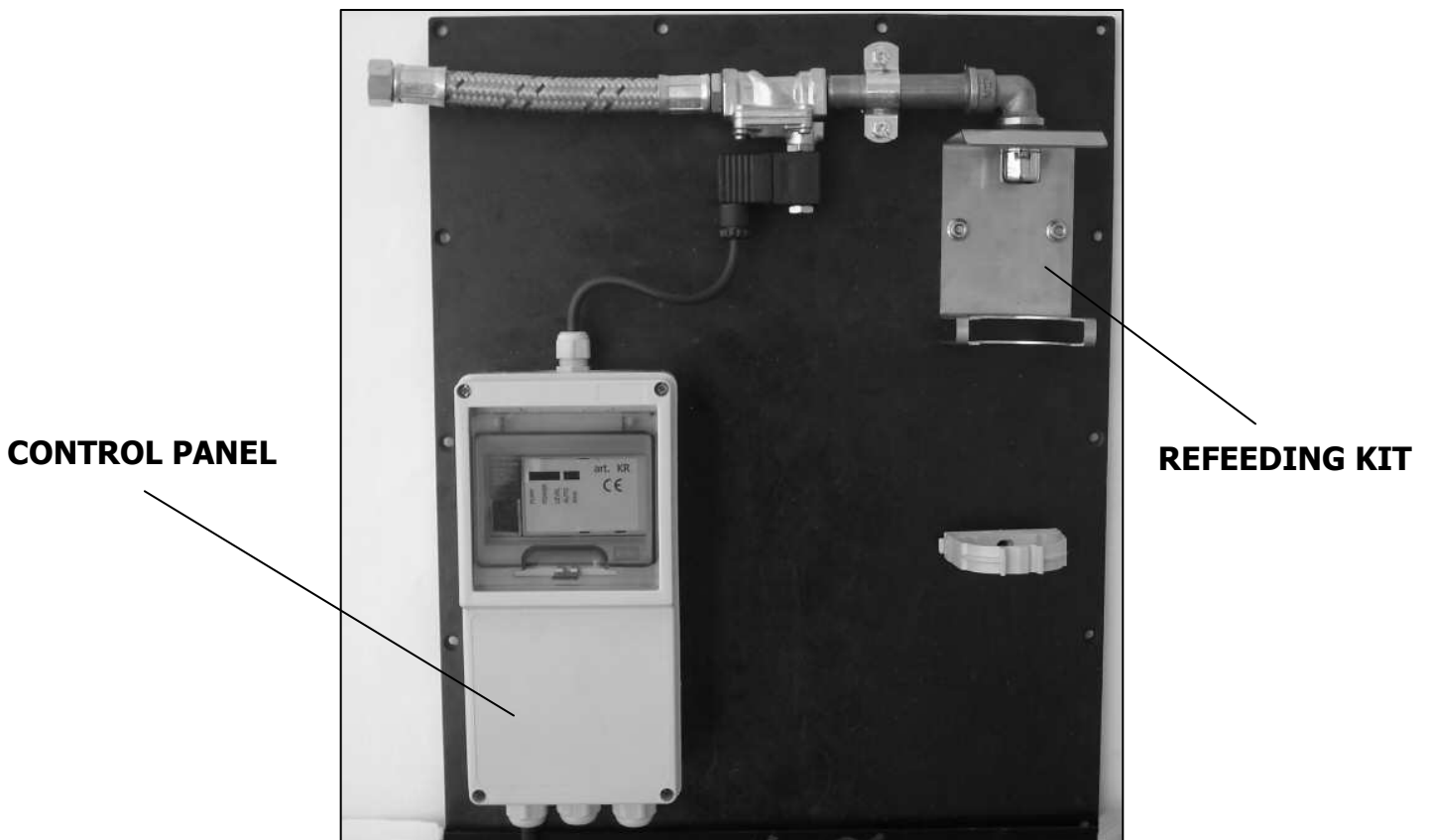
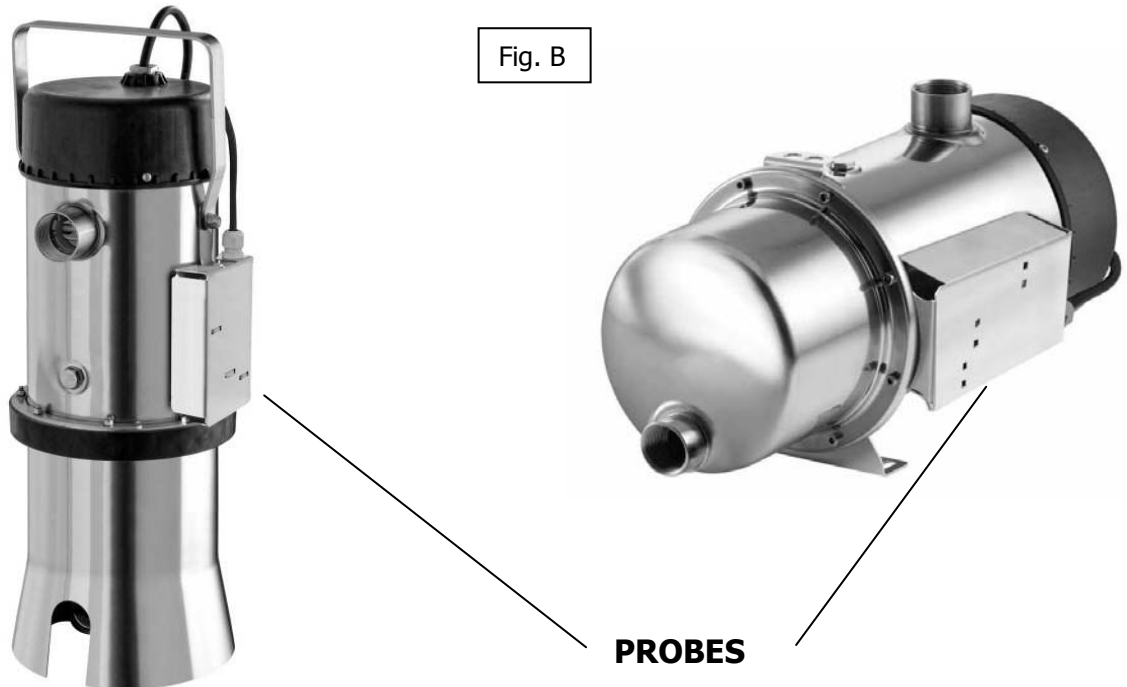
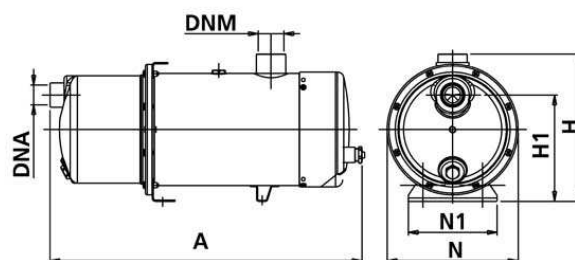
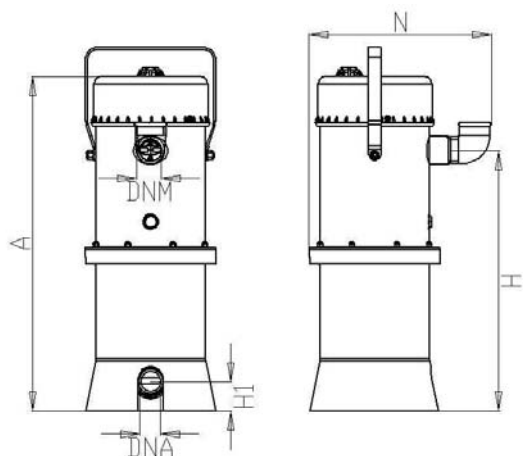


Fig. C



Mod.	Dimension						Weight
	A	H	H1	N	DNM	DNA	kg
X-AJV 80P	525	409	46	287	1"¼	1"	12
X-AJV 100P	555	439	46	287	1"¼	1"	12.5
X-AJV 120P	555	439	46	287	1"¼	1"	13.5
X-AMOV 100B	555	439	46	287	1"¼	1"	13
X-AMOV 120B	555	439	46	287	1"¼	1"	14

Mod.	Dimension							Weight
	A	N	H	H1	N1	DNM	DNA	kg
X-AJE 80B	477	200	226	163	136	1"¼	1"	11.5
X-AJE 100B	477	200	226	163	136	1"¼	1"	12
X-AJE 120B	477	200	226	163	136	1"¼	1"	13
X-AMO 100B	477	200	226	163	136	1"¼	1"	13
X-AMO 120B	477	200	226	163	136	1"¼	1"	14

CODE	MODEL	P2 (HP)	Amp. 230V	Capacitor µF
KRJV80 P	VERTICAL	0,8	4.5	16
KRJV100 P	VERTICAL	1,0	5.3	16
KRJV120 P	VERTICAL	1,2	6.3	18
KRMOV100B	VERTICAL	1,0	6.0	18
KRMOV120B	VERTICAL	1,2	7.5	20

KRJE80B	HORIZONTAL	0,8	4.5	16
KRJE100B	HORIZONTAL	1,0	5.3	16
KRJE120B	HORIZONTAL	1,2	6.3	18
KRMO100B	HORIZONTAL	1,0	6.0	18
KRMO120B	HORIZONTAL	1,2	7.5	20

Mod.	Q (l/min) FLOW									
	0	10	20	30	40	50	60	70	80	90
	H HEAD									
X-AJV 80P	40	33	30	24	20	15				
X-AJV 100P	47	40	35	30	25	20	5			
X-AJV 120P	49	43	38	32	30	24	8			
X-AJE 80B	40	33	30	24	20	15				
X-AJE 100B	47	40	35	30	25	20	5			
X-AJE 120B	49	43	38	32	30	24	8			
X-AMO 100B	42	40	37	35	30	28	24	18	15	10
X-AMO 120B	52	48	46	43	40	35	30	25	20	15
X-AMOV 100B	42	40	37	35	30	28	24	18	15	10
X-AMOV 120B	52	48	46	43	40	35	30	25	20	15

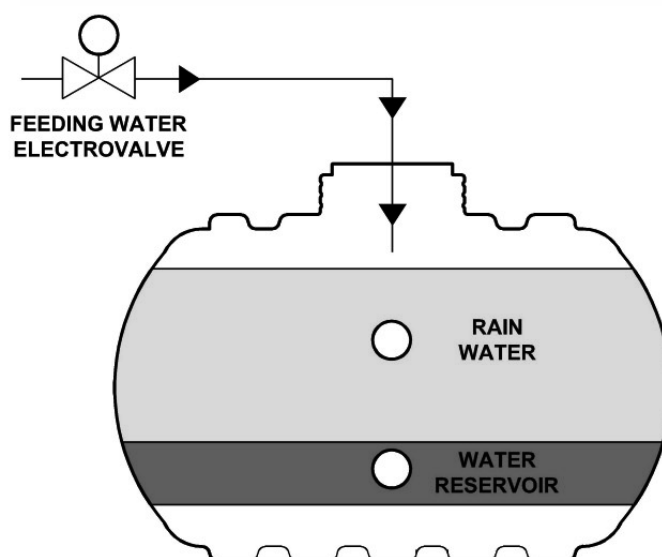
Code **KRQE**

Rain-water level control system

The rain-water level control system is necessary whenever the user utilizes an automatic rain-harvesting system. In the case that, in absence of rainfall, the recovery tank is empty, it is necessary to recover the water in order to use all home appliances getting from this rain-harvesting system. The KRQE unit automates this operation simply connecting the solenoid valve to the external water supply and installing the 4 probes group inside the recovery tank.

The system automatically informs about the tank level by means of a signal led. This gives information whether the level is sufficient or if it is almost necessary to recover, or if the solenoid valve controls the filling.

In case of absence of power supply the solenoid valve Normally Closed prevents that the external water supply is wasted for the refeeding.



PLUS

Automatic recovery in case of absence of rain-water

Signalling of attention water

Signalling of rain-water level

Signalling of recovery in operation

Control panel protection IP 56

Signalling of feeding system

COMPONENTS

Solenoid Valve Normally Closed

Solenoid valve 1/2" F-F

Solenoid valve body in Brass

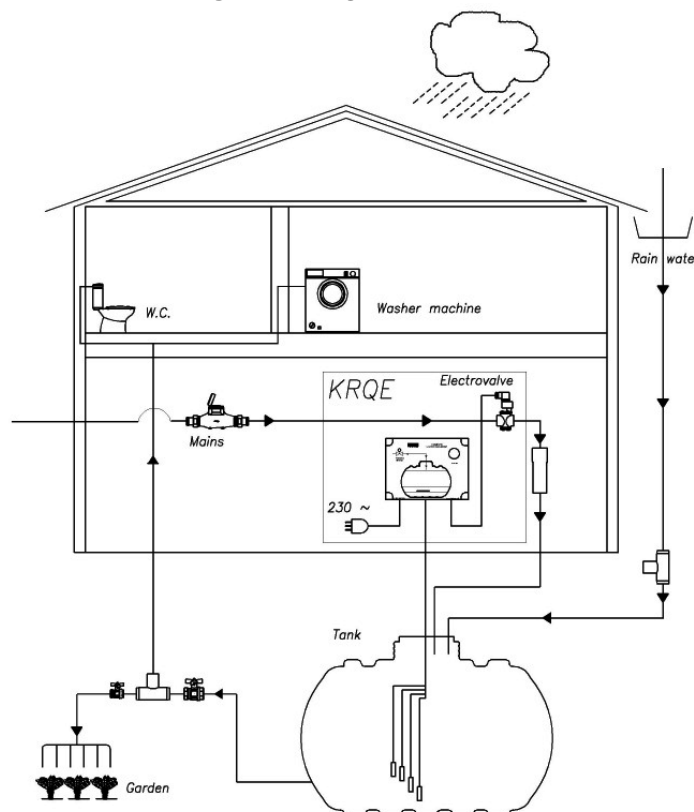
Level Probes in Stainless Steel

Power cable 2mt with shuko plug

Solenoid valve cable 2mt

Probes unit cable 20mt

INSTALLATION EXAMPLE



ELECTRICAL FEATURES

Code	TOTALLY ABSORBED POWER	POWER SUPPLY	PROBES
KRQE 00401	13 W	230V~ 50Hz	4

ELECTRIC BOARD MEASUREMENTS

Code	Measures (mm)
KRQE 00401	154 x 200 X h 79

Code **X-AL**

Centrifugal for food use



PLUS

Pumping of beer
 Pumping of all types of juice
 Pumping of milk
 Pumping of olive oil and wine
 Pumping of all liquids for food use

MATERIALS

Body pump: AISI 304 (optional AISI 316)
 Impeller: AISI 304 (optional AISI 316)
 Shaft: AISI 304 (optional AISI 316)
 Stainless steel bolts
 Nitrile rubber O-ring
 Mechanical seal: Graphite ceramics

ELECTRICAL FEATURES

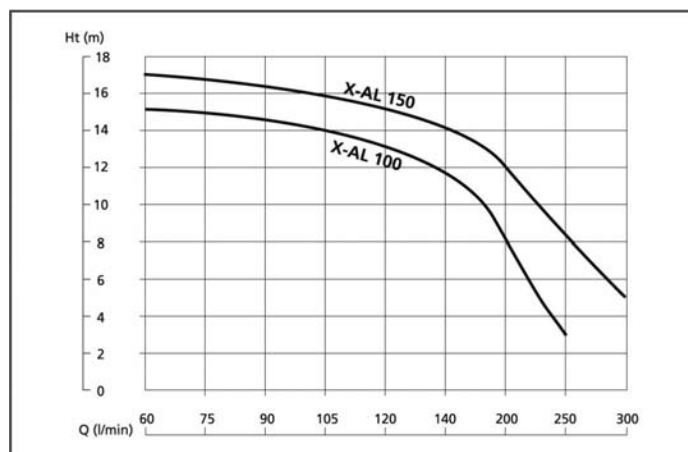
Code	P2 Nom.		P1 (kW) max.		1~ 50Hz Amp.	
	kW	HP	1~	3~	230 V	380 V
X-AL 100	0.75	1	1.02	1.05	5.5	2.2
X-AL 100 T	0.75	1	1.02	1.05	5.5	2.2
X-AL 150	1.1	1.5	1.65	1.65	8.5	3.2
X-AL 150 T	1.1	1.5	1.65	1.65	8.5	3.2
IP55 Protection motor						

HYDRAULIC FEATURES

Code	Q (l/min) FLOW						
	m	60	140	175	200	250	300
		H HYDRAULIC HEAD					
X-AL 100	m	15	12	10	8	3	
X-AL 100 T		15	12	10	8	3	
X-AL 150		17	15	13	12	8	5
X-AL 150 T		17	15	13	12	8	5

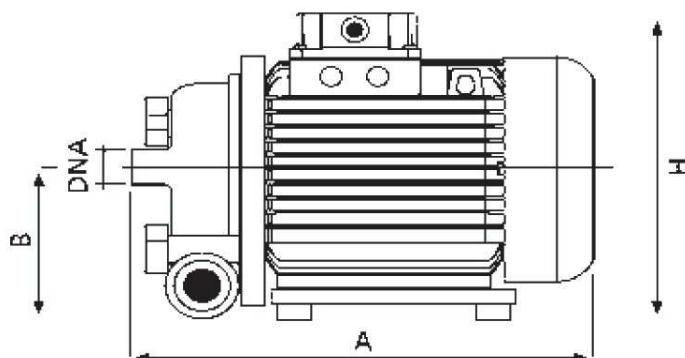
MEASUREMENTS

Code	Measures				Weight kg
	A	B	H	DNA	
X-AL 100	340	90	193	31	7.8
X-AL 100 T	340	90	193	31	7.8
X-AL 150	340	90	193	31	9
X-AL 150 T	340	90	193	31	9



CHARACTERISTICS AND INSTALLATION

Drained liquid	Food use
Temperature	Max. 90°C
Viscosity max.	75/80 mPa s
Max Suspended solids	2/3mm



Code **WP15**

Centrifugal for warm oil/water

PLUS

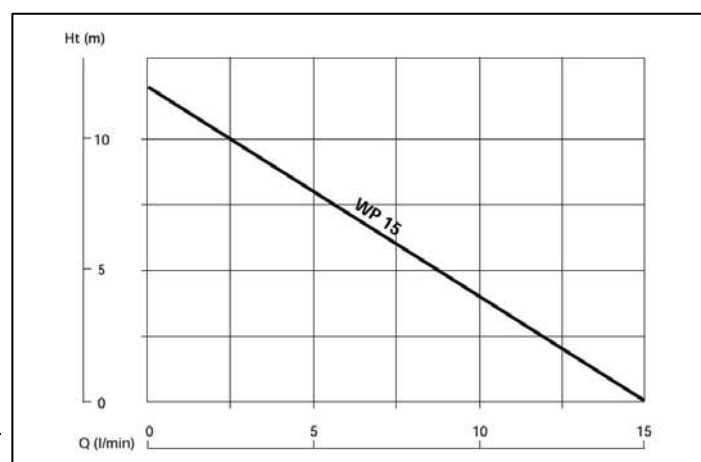
Pumping of warm clean water and olive oil
 Pumping liquids from boilers and aquariums
 Emptying of oil tank
 Bilge pump on boats
 Easily transportable

MATERIALS

Body pump: Brass
 Shaft: Aisi 304
 Bolts: Aisi 304
 Gaskets: NBR rubber
 Impeller: NBR nitrile rubber
 Cables: 1.5mm²

ELECTRICAL FEATURES

Code	Absorbed power Nom.		1~ 50Hz Amp. 230 V
	W	HP	
WP15	120	0.16	1.6
Class F insulated motor			


HYDRAULIC FEATURES

Code	Q (l/min) FLOW						
	0	2.5	5	7.5	10	12.5	15
	H (m) HYDRAULIC HEAD						
WP15	12	10	8	6	4	2	0

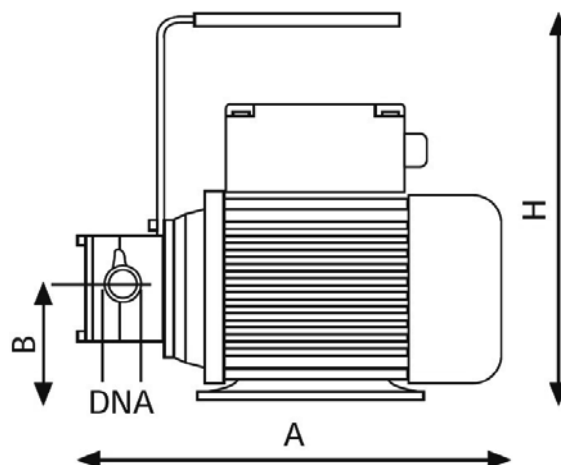
PLEASE NOTE: the performances may be subject to alteration depending on the drained liquid

CHARACTERISTICS AND INSTALLATION

Drained liquid	Clean and sea water
Max. temperature	65 °C

MEASUREMENTS

Code	Measures					Weight kg
	A	B	H	DNM	DNA	
X-VISCO	230	170	150	3/4 "	3/4 "	5



Code **X-MARE**

Flexible impeller pump



PLUS

Used on boat for pouring water, either sea water

Pumps liquid with impurities

Electric motor termically protected

Bilge pumps

Deck washing

MATERIALS

Techno-polymer body pump totally Aisi 303-coated

Shaft: Aisi 303

Gaskets: NBR rubber

Impeller: NBR nitrile rubber

 Cables: 1.5mm²

ELECTRICAL FEATURES

Code	Absorbed power Nom.		1~ 50Hz Amp. 230 V
	kW	HP	
X-MARE	0.290	0.40	1.5
Class F insulated motor		60min On – 30min Off	

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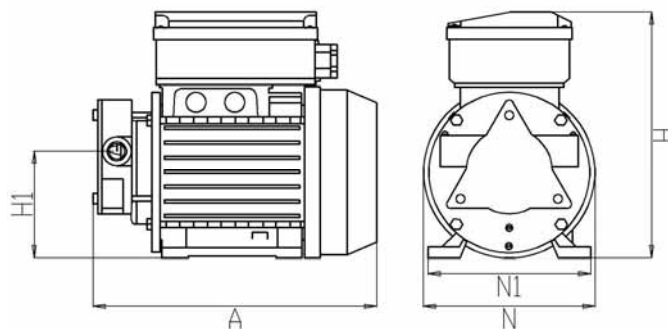
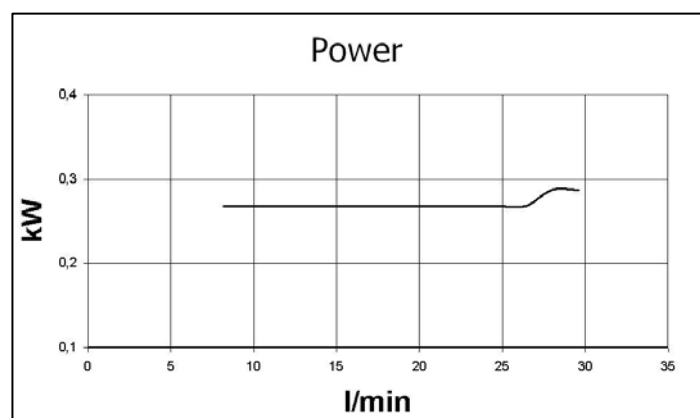
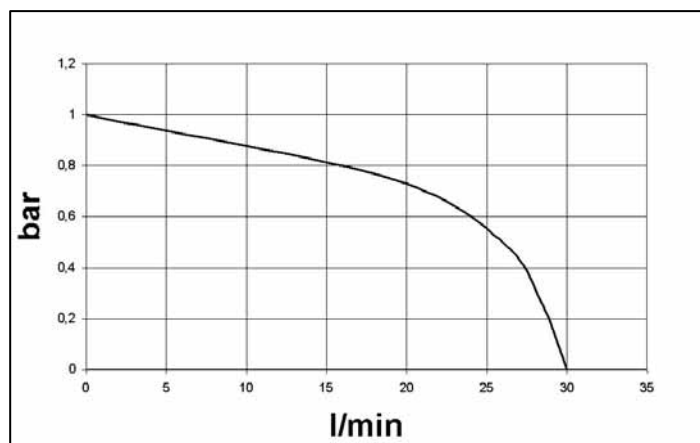
Mod.	Q (l/min) PORTATA						
	0	5	10	15	20	25	30
X-MARE	H (m) PREVALENZA						
	10	9.2	8.6	8.1	7.1	5.5	1

HYDRAULIC FEATURES

Drained liquid	Sea and clean water
Max. Kinematic viscosity	5.5 cSt

MEASUREMENTS

Code	Measures							Weight kg
	A	N	N1	H	H1	DNM	DNA	
X-MARE	214	127	120	182	79	½ "	½ "	5.5



Code **X-VISCO**

Gear's pump

PLUS

Pumping of lube oils and not corrosive viscous liquids
 Pumping of little impurities liquids
 Thermal- protection motor
 Bilge pumps
 Deck washing

MATERIALS

Brass body pump
 Shaft: C43 steel
 Mechanical seal: NBR rubber
 Gears: bronze
 Cables: 1.5mm²
 Installation: All positions

ELECTRICAL FEATURES

Code	Absorbed power Nom.		1~ 50Hz Amp. 230 V
	kW	HP	
X-VISCO	0.345	0.46	1.5
Class F insulated motor		Gas oil: 60 On – 30 Off (min)	
		Oil 10W40: 30 On – 30 Off (min)	

HYDRAULIC FEATURES

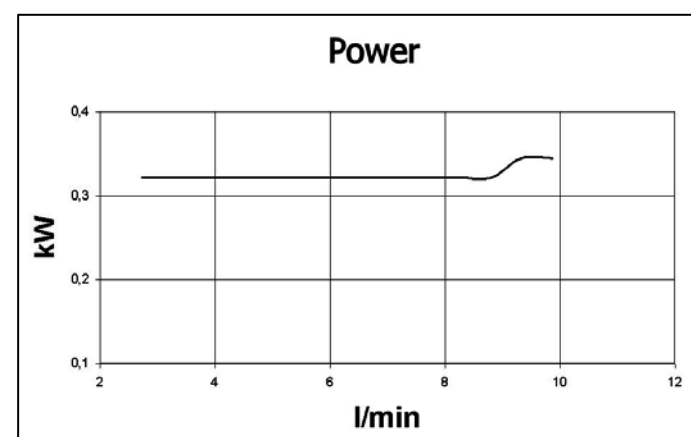
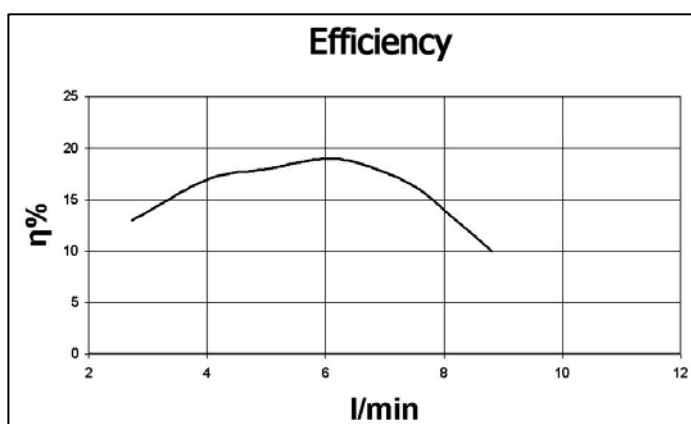
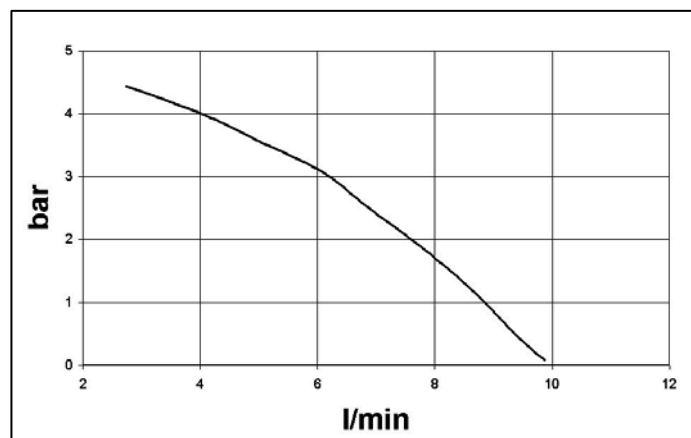
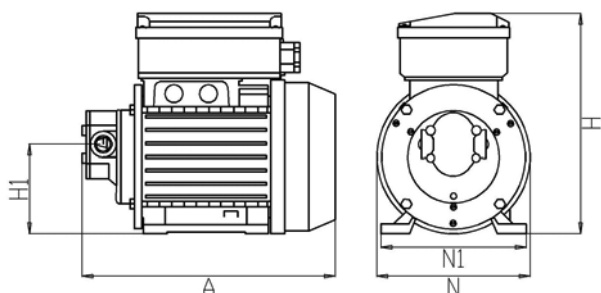
Code	Q (l/min) FLOW								
	0	3	4	5	6	7	8	9	
	H (m) HYDRAULIC HEAD								
X-VISCO	46	43	40	35	31	22	17	2	

CHARACTERISTICS AND INSTALLATION

Drained liquid	Gas oil, olive oil
Max. kinematic viscosity	2000 cSt

MEASUREMENTS

Code	Measures							Weight
	A	N	N1	H	H1	DNM	DNA	kg
X-VISCO	210	127	120	182	74	3/8 "	3/8 "	3.4



Code **VORBOX**

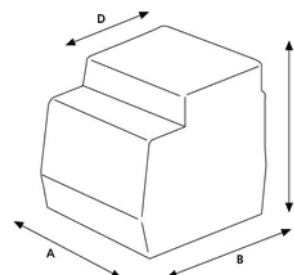
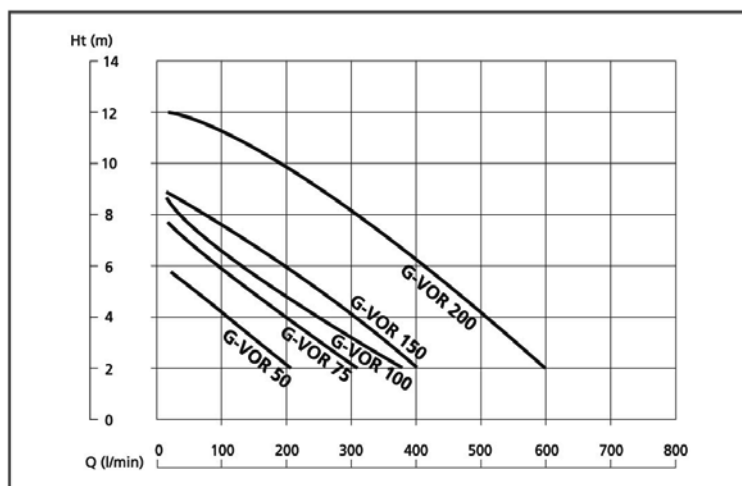


Automatic pumping station with VORTEX pump

PLUS PRODUCT

The VORBOX pumping stations are supplied fully pre-assembled to minimize intervention on the stocks. They are complete with GVOR pump, fittings, quick coupling, check valve, electric panel and polyethylene box.

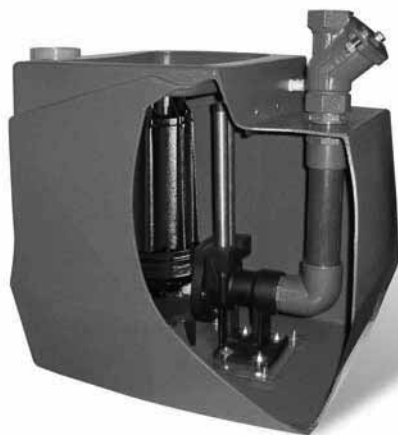
CODICE CODE	P ₂ Nom.		P ₁ (kW) Max		Amp. 1- 3-		Q lt / m	PORTATA / FLOW								
	HP	kW	1-	3-	1x220 V	3x380 V		25	50	100	150	200	300	400	500	600
							Hm total m CE									
VORBOX50	0,5	0,37	0,57	0,66	3,2	1	Hm	6	5,5	4	3	1,5				
VORBOX75	0,75	0,56	0,78	0,73	4,2	1,5		8	7	6	4,5	3,5	1,5			
VORBOX100	1	0,75	0,99	0,93	5,2	2		9	8	6,5	5	4,5	2,5			
VORBOX150	1,5	1,1	1,6	1,4	8,5	2,8		9	8	7,5	7	6	4	2		
VORBOX200	2	1,5	2	1,9	11,5	3,8		12	11,5	11	10,5	10	8	6	4	2



CODE	Dimensioni mm				
	A	B	C	D	DNM
VORBOX	500	626	600	400	2"

- Pumping of sewage waters with solid parts in suspension of max. 50mm
- Drainage of mixed mud waters
- Drainage of dirty water
- Tank in polyethylene of 170 lt
- Installed pump G-VOR 50-200
- Electricity 220 V 50 Hz

Code **BICABOX**

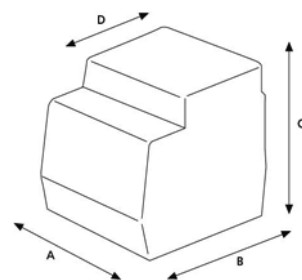
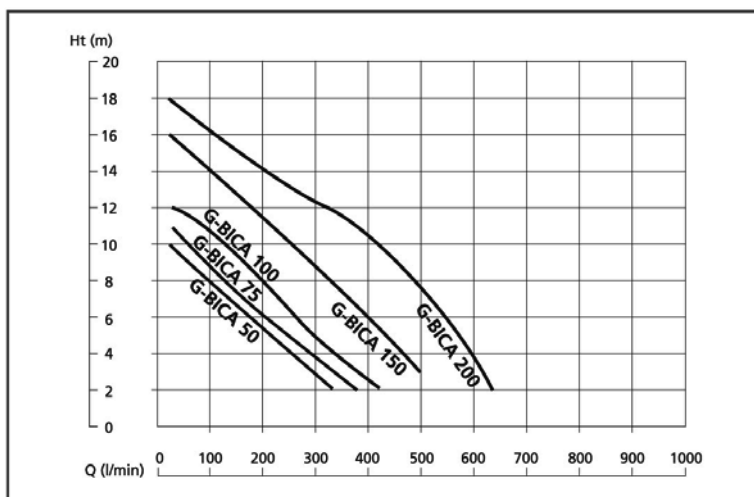


Automatic pumping station with BICA pump

PLUS PRODUCT

The BICABOX pumping stations are supplied fully pre-assembled to minimize intervention on the stocks. They are complete with GBICA pump, fittings, quick coupling, check valve, electric panel and polyethylene box.

CODICE CODE	P ₂ Nom.		P ₁ (kW) Max		Amp. 1- 3-		Q lt / m	PORTATA / FLOW									
	HP	kW	1 -	3 -	1x220 V	3x380 V		25	50	100	150	200	300	400	500	600	
Hm total m CE																	
BICABOX50	0,5	0,37	0,57	0,66	3,2	1	Hm	10	9	8	6,5	5,5	3	1			
BICABOX75	0,75	0,56	0,78	0,73	4,2	1,5		11	10	8,5	7,5	6	4	1,5			
BICABOX100	1	0,75	0,99	0,93	5,2	2		12	12	11	9	8	5	2,5	1		
BICABOX150	1,5	1,1	1,6	1,4	8,5	2,8		16	15	14	12	11	9	6	3		
BICABOX200	2	1,5	2	1,9	11,5	3,8		18	17	16	15	14	12	9	7	4	



CODE	Measures mm				
	A	B	C	D	DNM
BICABOX	500	626	600	400	2"

- Pumping of clean water with solid parts in suspension of max. 19-24mm
- Drainage of water table and surface water into domestic buildings and industries
- Drainage of washing water
- Tank in polyethylene of 170 lt
- Installed pump G-BICA 50-200
- Electricity 220 V 50 Hz

Code **G-VOR**

VORTEX submersible pumps

PLUS

Pumping of sewage water - Suspended solids max. 50mm

Drainage of waste water and water mixed to mud

Installation inside sewers, tunnels and holes

Drainage of active and putrid mud

MATERIALS

Pump and motor body: Cast iron

Impeller: Cast iron

Shaft and bolts: Stainless steel

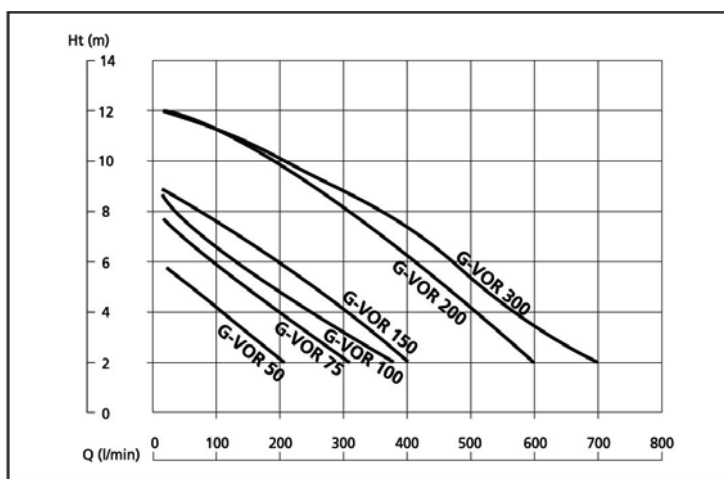
Nitrile rubber O-rings

Mechanical seal: Graphite ceramics

H07RN-F Electric cable 10m length


ELECTRICAL FEATURES

Code	P2		1~ 50Hz	3~ 50Hz	Cap. μF
	Nom. kW	HP	220V Amp.	380 V Amp.	
G-VOR 50	0.37	0.5	3.2	1	14
G-VOR 75	0.56	0.75	4.2	1.5	17
G-VOR 100	0.75	1	5.2	2	20
G-VOR 150	1.1	1.5	8.5	2.8	35
G-VOR 200	1.5	2	11.5	3.8	40
G-VOR 300	2.2	3	-	5.2	-
Class F insulated motor			Nonstop service motor		


HYDRAULIC FEATURES

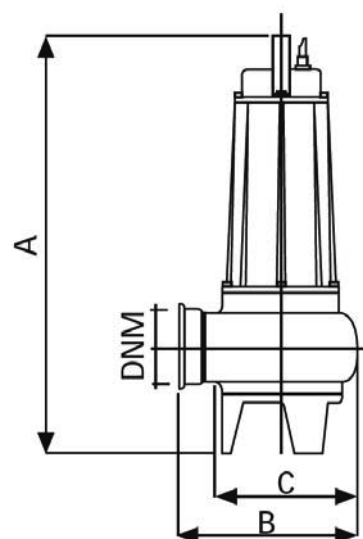
Code	Q (l/min) FLOW							
	25	100	200	300	400	500	600	
	H HYDRAULIC HEAD							
	6	4	1.5					
G-VOR 50	8	6	3.5	1.5				
G-VOR 75	9	6.5	4.5	2.5				
G-VOR 100	9	7.5	6	4	2			
G-VOR 150	12	11	10	8	6	4	2	
G-VOR 200	12	11	10	8	7	5.5	4	
G-VOR 300								

CHARACTERISTICS AND INSTALLATION

Drained liquid	Water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 8 m

MEASUREMENTS

Code	Measures				Weight kg
	A	B	C	DNM	
G-VOR 50	372	195	162	1"½	15.5
G-VOR 75	372	195	162	1"½	16
G-VOR 100	372	195	162	1"½	17
G-VOR 150	410	220	190	2	30
G-VOR 200	410	220	190	2	32
G-VOR 300	410	220	190	2	40



Code **G-BICA**

Submersible double channel

PLUS

Pumping of clean water – Suspended solids max.19-24mm

Drainage of water table and surface water into domestic

Drainage of washing water

MATERIALS

Pump and motor body: Cast iron

Impeller: Cast iron

Shaft and bolts: Stainless steel

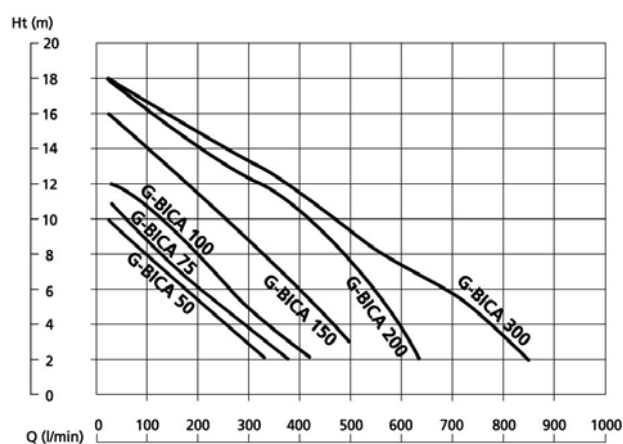
Nitrile rubber O-rings

Mechanical seal: Graphite ceramics

H07RN-F Electric cable 10m length


ELECTRICAL FEATURES

Code	P2		1~ 50Hz 220V	3~ 50Hz 380 V	Cond. μF
	Nom. kW	HP	Amp.	Amp.	
G-BICA 50	0.37	0.5	3.2	1	14
G- BICA 75	0.56	0.75	4.2	1.5	17
G- BICA 100	0.75	1	5.2	2	20
G- BICA 150	1.1	1.5	8.5	2.8	35
G- BICA 200	1.5	2	11.5	3.8	40
G- BICA 300	2.2	3	-	5.2	-
Class F insulated motor			Nonstop service motor		


HYDRAULIC FEATURES

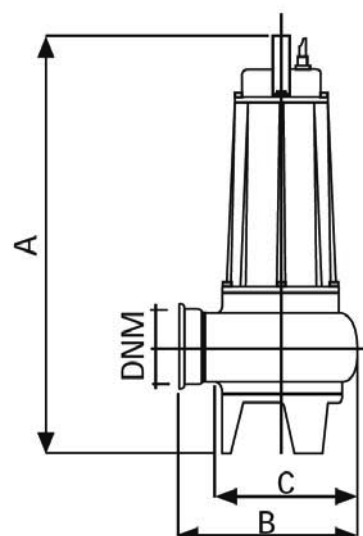
Code	Q (l/min) FLOW							
	25	100	200	300	400	500	600	
	H HYDRAULIC HEAD							
	10	8	5.5	3	1			
G-BICA 50	10	8	5.5	3	1			
G- BICA 75	11	8.5	6	4	1.5			
G- BICA 100	12	11	8	5	2.5	1		
G- BICA 150	16	14	11	9	6	3		
G- BICA 200	18	16	14	12	9	7	4	
G- BICA 300	18	17	15	13	12	9	7.5	

CHARACTERISTICS AND INSTALLATION

Drained liquid	Water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 8 m

MEASUREMENTS

Code	Measures				Weight kg
	A	B	C	DNM	
G-BICA 50	372	195	162	1 1/2"	15.5
G- BICA 75	372	195	162	1 1/2"	16
G- BICA 100	372	195	162	1 1/2"	17
G- BICA 150	410	220	190	2"	30
G- BICA 200	410	220	190	2"	32
G- BICA 300	410	220	190	2"	40



Code **G-VOR DN**

 VORTEX submersible pumps
 with flanges

PLUS

Pumping of sewage water - Suspended solids max. 50mm
 Drainage of waste water and water mixed to mud
 Installation inside sewers, tunnels and holes
 Drainage of active and putrid mud

MATERIALS

Pump and motor body: Cast iron
 Impeller: Cast iron
 Shaft and bolts: Stainless steel
 Nitrile rubber O-rings
 Mechanical seal: Graphite ceramics
 H07RN-F Electric cable 10m length


ELECTRICAL FEATURES

Code	P2		1~ 50Hz	3~ 50Hz	Cap. μF
	Nom. kW	HP	220V Amp.	380 V Amp.	
G-VOR DN200	1.5	2	11	3.3	14
G-VOR DN300	2.2	3	-	5.1	-
G-VOR DN400	2.9	4	-	7.1	-
G-VOR DN550	4	5.5	-	9	-
Class F insulated motor			Nonstop service motor		

HYDRAULIC FEATURES

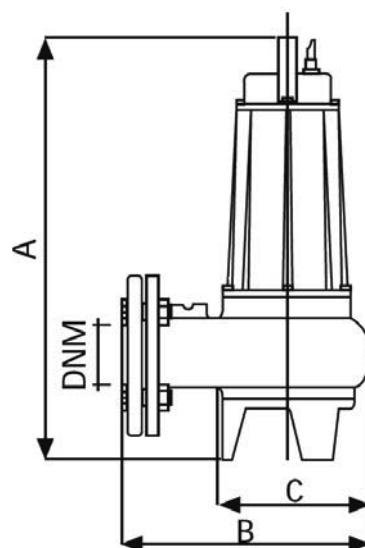
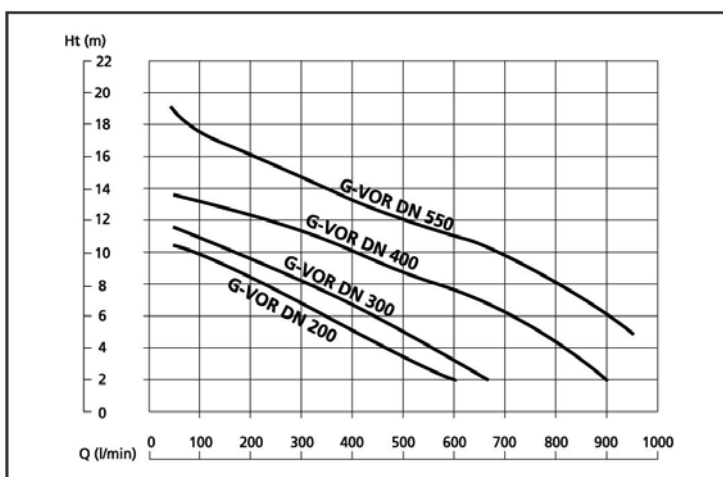
Code	Q (l/min) FLOW						
	50	100	400	600	700	900	1000
m	H HYDRAULIC HEAD						
	10.5	10	5	2			
	11.8	11	6.7	3	1.6		
	13.8	13.2	10.2	7.8	6.2	2	
G-VOR DN550	19.2	17.6	13.2	11	10	6	4

CHARACTERISTICS AND INSTALLATION

Drained liquid	Water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 8 m

MEASUREMENTS

Code	Measures				Weight kg
	A	B	C	DNM	
G-VOR DN200	520	308	232	65	40
G-VOR DN300	520	308	232	65	42
G-VOR DN400	520	308	232	65	44
G-VOR DN550	520	308	232	65	50



Code G-BICA DN

 Submersible double channel
 with flanges

PLUS

Pumping of clean water – Suspended solids max.19-24mm

Drainage of water table and surface water into domestic

Drainage of washing water

MATERIALS

Pump and motor body: Cast iron

Impeller: Cast iron

Shaft and bolts: Stainless steel

Nitrile rubber O-rings

Mechanical seal: Graphite ceramics

H07RN-F Electric cable 10m length


ELECTRICAL FEATURES

Code	P2		1~ 50Hz 220V	3~ 50Hz 380 V	Cond. μF
	Nom. kW	HP	Amp.	Amp.	
G-BICA DN200	1.5	2	11	3.6	14
G- BICA DN300	2.2	3	-	5.2	-
G- BICA DN550	4	5.5	-	9	-
Class F insulated motor			Nonstop service motor		

HYDRAULIC FEATURES

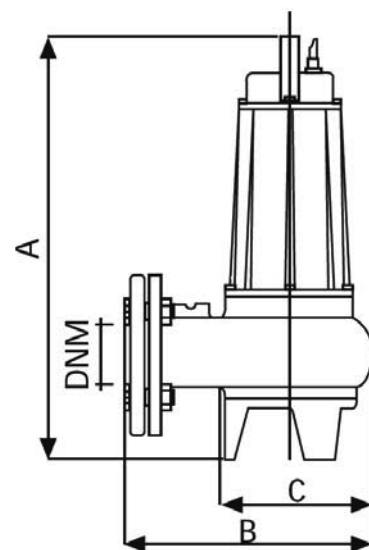
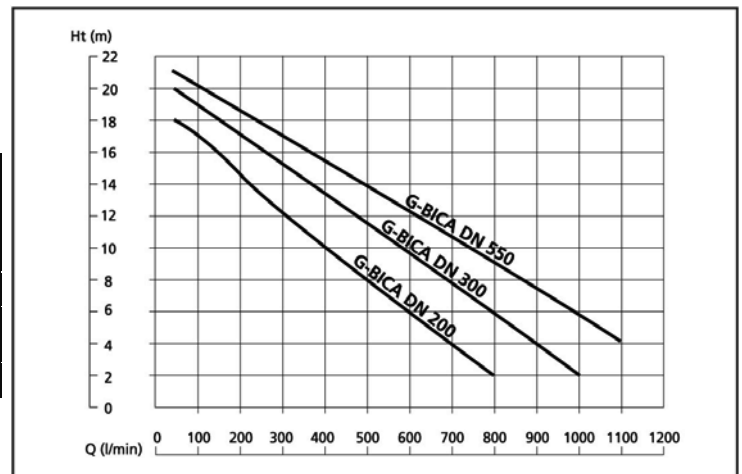
Code	Q (l/min) FLOW							
	50	100	300	500	700	900	1200	
m	H HYDRAULIC HEAD							
	18	17.5	12.5	8	4			
	20	19	15.5	11.5	8	4		
	21	20	17	13.5	10.5	7.5	2.2	

CHARACTERISTICS AND INSTALLATION

Drained liquid	Water
Liquid temperature range	+2°C ÷ +37°C
Air temperature	max +45°C
Maximum depth	max 8 m

MEASUREMENTS

Code	Measures				Weight kg
	A	B	C	DNM	
G-BICA DN200	520	308	232	65	40
G- BICA DN300	520	308	232	65	42
G- BICA DN550	520	308	232	65	50



Code **XV**

Submersed pump 5"

PLUS

Tank drainage and transfers - Domestic boosting
 Irrigation - Rainharvesting system - Fountains
 Double mechanical seal

MATERIALS

Diffusers and shaft: Aisi 304
 H07RN-F Electric cable 20m lenght

ELECTRICAL FEATURES

Code	P2 Nom.		3~ 50Hz Amp. 380V	1~ 50Hz Amp. 230 V
	kW	HP		
XV 33	0.55	0.75	1.7	3.6
XV 34	0.55	0.75	2.0	4.0
XV 35	0.75	1	2.1	4.7
XV 36	0.75	1	2.3	5.2
XV 37	0.9	1.2	2.5	6.7
XV 38	1.1	1.5	2.7	7.2
XV 53	0.55	0.75	1.9	4.2
XV 54	0.75	1	2.2	5.0
XV 55	0.9	1.2	2.5	6.6
XV 56	1.1	1.5	2.7	7.4
Class F insulated motor			Non-stop service (hor / vert)	

HYDRAULIC FEATURES

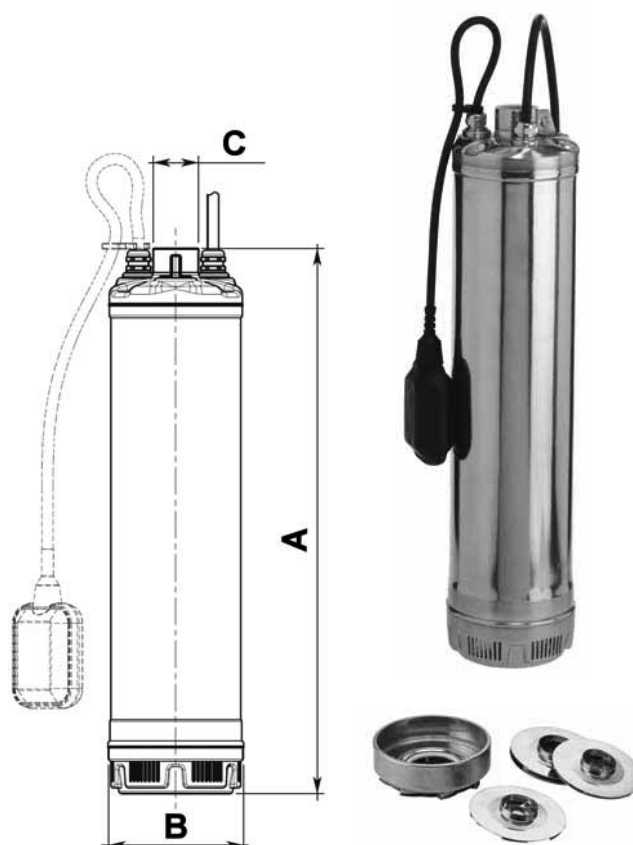
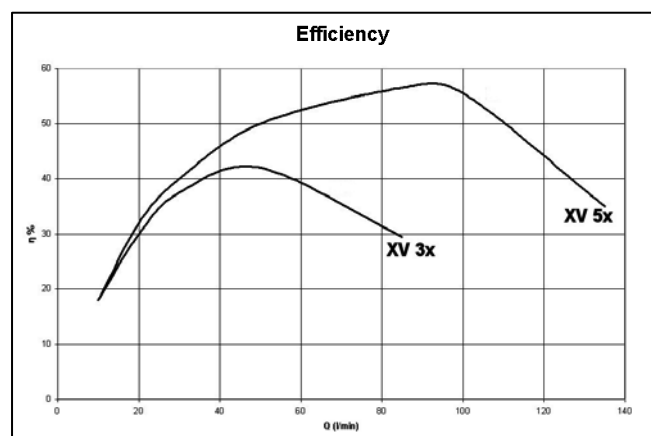
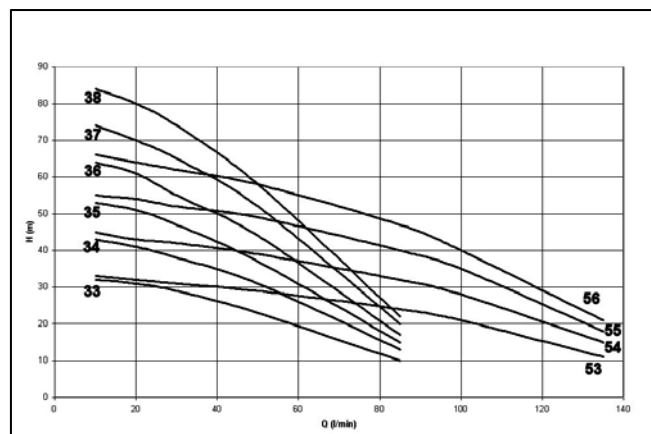
Code	Q (l/min) FLOW						
	0	10	30	50	85	100	135
	H (m) HYDRAULIC HEAD						
XV 33	34	32	29	23	10		
XV 34	45	43	38	31	13		
XV 35	56	53	47	37	15		
XV 36	67	64	55	44	17		
XV 37	78	74	65	52	20		
XV 38	88	84	74	58	22		
XV 53	35	33	31	29	24	21	11
XV 54	46	45	42	39	32	28	15
XV 55	57	55	52	49	40	35	18
XV 56	78	66	62	58	47	40	21

CHARACTERISTICS AND INSTALLATION

Drained liquid	Water (sand max.50g/m ³)
Liquid temperature range	-5°C ÷ +40°C
Air temperature	max 20 m

MEASUREMENTS

Code	Measures				Peso (kg)	
	A	B	C		3-phase	1-phase
XV 33	496 - 3~	456	134	1 1/4"	15.6	13.2
XV 34	520 - 3~	470	134	1 1/4"	16.2	13.8
XV 35	544	134	1 1/4"		16.8	15.6
XV 36	568	134	1 1/4"		17.4	16.2
XV 37	592	134	1 1/4"		18.0	18.8
XV 38	616	134	1 1/4"		18.6	19.4
XV 53	496 - 3~	456	134	1 1/4"	15.6	14.2
XV 54	520 - 3~	470	134	1 1/4"	16.2	14.8
XV 55	544	134	1 1/4"		16.8	17.6
XV 56	568	134	1 1/4"		17.4	18.2



Code **XV4 05**

 4" submersible pump
 noryl impeller

PLUS

Suitable for clean water

For agricultural installation

Irrigation

Industrial and domestic pressurizing systems

 Sand content: Max 180g/m³
MATERIALS

Pump body, upper and lower closure: stainless steel Aisi 304

Motor body, lower closure: stainless steel Aisi 304

Upper motor body closure: stainless steel Aisi 304

Motor shaft: stainless steel Aisi 304

Mechanical seal: Graphite ceramics

Diffusers and Impellers: Noryl

ELECTRICAL FEATURES

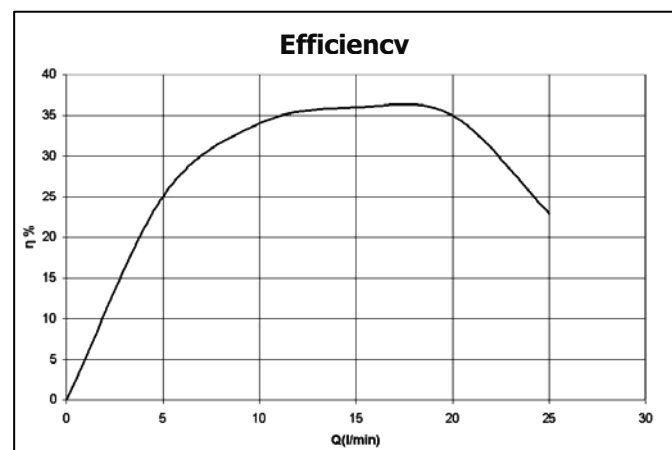
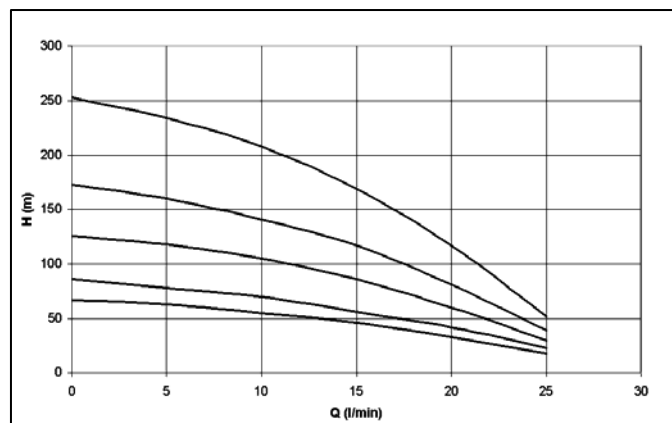
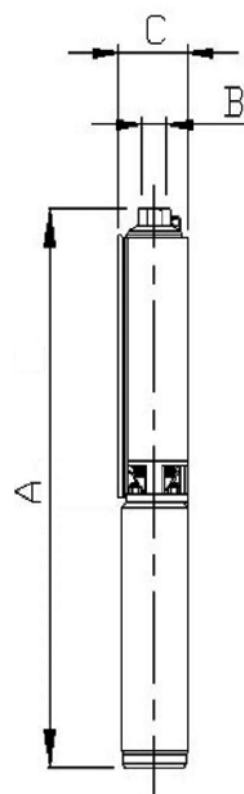
Code	Motor P2		Max. Current Amp	
	KW	HP	Single phase 230V	Three phase 380V
XV4 05 10	0.37	0.50	3.1	1.2
XV4 05 13	0.37	0.50	3.1	1.2
XV4 05 19	0.55	0.75	5.0	1.6
XV4 05 26	0.75	1.00	6.2	2.2
XV4 05 38	1.10	1.50	8.5	3.0

HYDRAULIC FEATURES

Code	Q Flow 2900 rpm						
	m ³ /h	0	0.3	0.6	0.9	1.2	1.5
	l/min	0	5	10	15	20	25
XV4 05 10	Hydraulic head (m)	67	63	55	46	33	18
XV4 05 13		86	78	70	56	42	23
XV4 05 19		126	118	105	86	60	30
XV4 05 26		173	160	141	117	81	39
XV4 05 38		253	234	208	169	117	52

MEASUREMENTS

Code	Measures (mm)			Net Weight (kg)		
	Single phase	Three phase	B	Pompa		
				singlephase 230V	threephase 380V	
XV4 05 10	697	697	RP 1 1/4"	98	11	10.5
XV4 05 13	750	750		98	11.4	10.9
XV4 05 19	874	854		98	13.3	12.5
XV4 05 26	1065	1035		98	15.7	14.6
XV4 05 38	1317	1287		98	19.5	18.3



Code **XV4 10**

 4" submersible pump
 noryl impeller

PLUS

Suitable for clean water

For agricultural installation

Irrigation

Industrial and domestic pressurizing systems

 Sand content: Max 180g/m³
MATERIALS

Pump body, upper and lower closure: stainless steel Aisi 304

Motor body, lower closure: stainless steel Aisi 304

Upper motor body closure: stainless steel Aisi 304

Motor shaft: stainless steel Aisi 304

Mechanical seal: Graphite ceramics

Diffusers and Impellers: Noryl

ELECTRICAL FEATURES

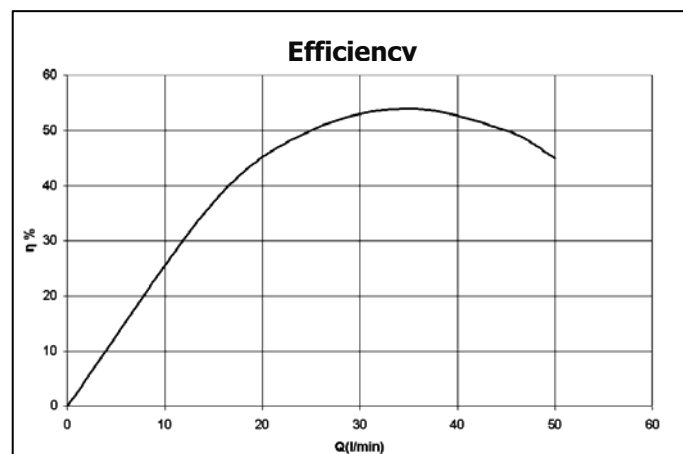
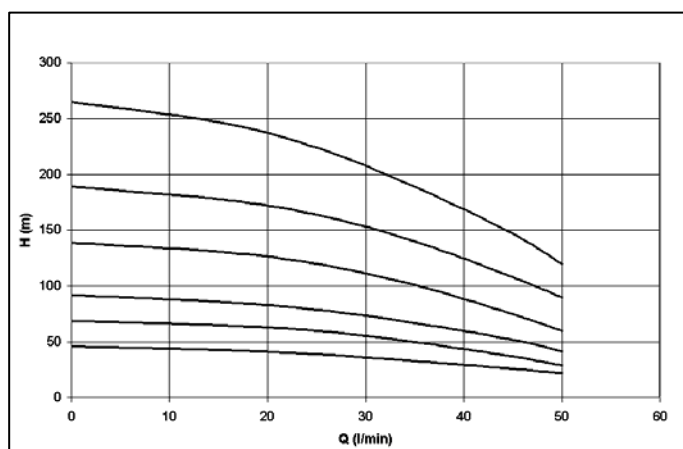
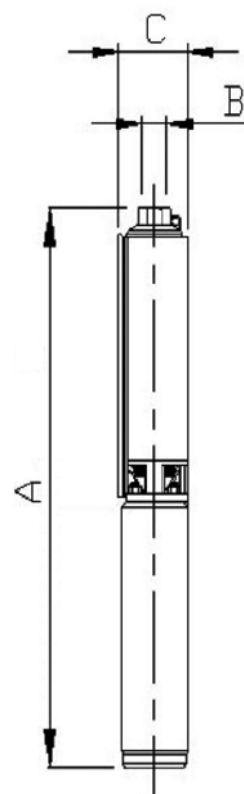
Code	Motor P2		Max. Current Amp	
	KW	HP	Single phase 230V	Three phase 380V
XV4 10 07	0.37	0.5	3.1	1.2
XV4 10 10	0.55	0.75	5.0	1.6
XV4 10 14	0.75	1	6.2	2.2
XV4 10 20	1.1	1.5	8.5	3.0
XV4 10 28	1.5	2	10.8	4.2
XV4 10 40	2.2	3	15.5	6.2

HYDRAULIC FEATURES

Code	Q Flow 2900 rpm						
	m ³ /h	0	0.9	1.5	2.1	2.7	3.0
	l/min	0	15	25	35	45	50
XV4 10 07	Hydraulic head (m)	46	43	39	33	26	22
XV4 10 10		69	65	60	50	37	29
XV4 10 14		92	86	79	67	52	42
XV4 10 20		139	131	120	101	75	60
XV4 10 28		189	178	164	140	108	90
XV4 10 40		265	247	224	189	147	120

MEASUREMENTS

Code	Measures (mm)			Net Weight (kg)		
	Single phase	Three phase	B RP 1 1/4"	C	Pompa singlephase 230V	threephase 380V
XV4 10 07	644	644		98	10.5	10
XV4 10 10	717	697		98	11.9	11.1
XV4 10 14	817	787		98	13.8	12.7
XV4 10 20	952	922		98	16.2	15
XV4 10 28	1173	1133		98	20	18.3
XV4 10 40	1428	1378		98	24.7	22.5



Code **XV4 13**

 4" submersible pump
 noryl impeller

PLUS

Suitable for clean water

For agricultural installation

Irrigation

Industrial and domestic pressurizing systems

 Sand content: Max 180g/m³
MATERIALS

Pump body, upper and lower closure: stainless steel Aisi 304

Motor body, lower closure: stainless steel Aisi 304

Upper motor body closure: stainless steel Aisi 304

Motor shaft: stainless steel Aisi 304

Mechanical seal: Graphite ceramics

Diffusers and Impellers: Noryl

ELECTRICAL FEATURES

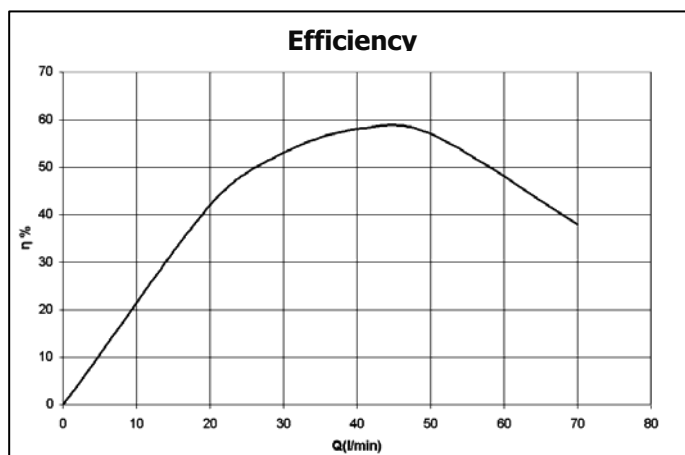
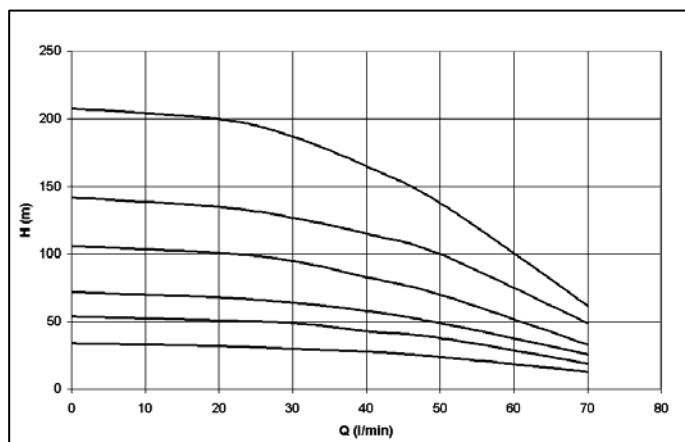
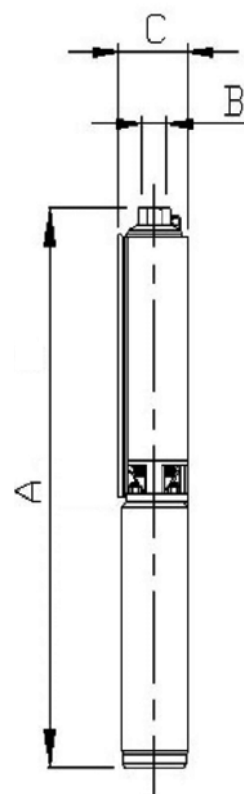
Code	Motor P2		Max. Current Amp	
	KW	HP	Single phase 230V	Three phase 380V
XV4 13 05	0.37	0.5	3.1	1.2
XV4 13 08	0.55	0.75	5.0	1.6
XV4 13 11	0.75	1	6.2	2.2
XV4 13 16	1.1	1.5	8.5	3.0
XV4 13 21	1.5	2	10.8	4.2
XV4 13 32	2.2	3	15.5	6.2

HYDRAULIC FEATURES

Code	Q Flow 2900 rpm						
	m ³ /h	0	1.2	1.8	2.4	3.0	4.2
	l/min	0	20	30	40	50	70
XV4 13 05	Hydraulic head (m)	34	32	30	28	24	13
XV4 13 08		54	51	49	43	38	19
XV4 13 11		72	68	64	58	49	26
XV4 13 16		106	101	95	83	70	33
XV4 13 21		142	135	127	115	100	49
XV4 13 32		208	200	187	165	138	62

MEASUREMENTS

Code	Measures (mm)			Net Weight (kg)		
	Single phase	Three phase	B	Pompa		C
				singlephase 230V	threephase 380V	
XV4 13 05	609	609	RP 1 1/4"	98	10.2	9.7
XV4 13 08	682	662		98	11.5	10.7
XV4 13 11	765	735		98	13.3	12.2
XV4 13 16	883	853		98	15.5	14.3
XV4 13 21	1012	972		98	18.1	16.4
XV4 13 32	1292	1242		98	22.5	20.3



Code **XV4 18**

 4" submersible pump
 noryl impeller

PLUS

Suitable for clean water
 For agricultural installation
 Irrigation
 Industrial and domestic pressurizing systems
 Sand content: Max 180g/m³

MATERIALS

Pump body, upper and lower closure: stainless steel Aisi 304
 Motor body, lower closure: stainless steel Aisi 304
 Upper motor body closure: stainless steel Aisi 304
 Motor shaft: stainless steel Aisi 304
 Mechanical seal: Graphite ceramics
 Diffusers and Impellers: Noryl

ELECTRICAL FEATURES

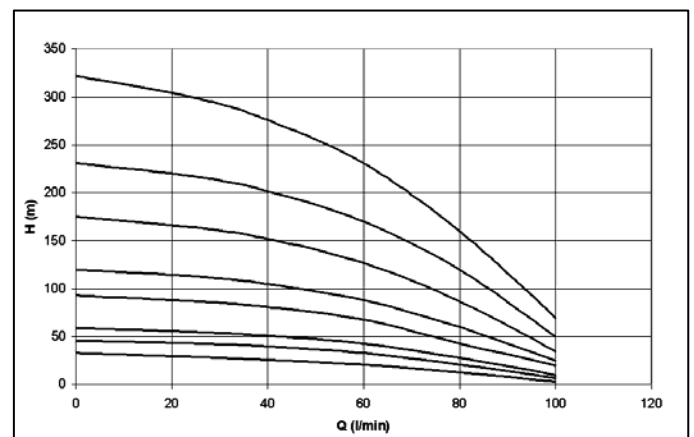
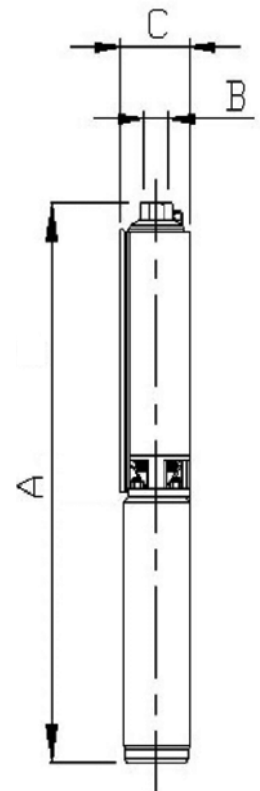
Code	Motor P2		Max. Current Amp	
	KW	HP	Single phase 230V	Three phase 380V
XV4 18 05	0.37	0.5	3.10	1.2
XV4 18 07	0.55	0.75	5.00	1.6
XV4 18 09	0.75	1	6.20	2.2
XV4 18 14	1.1	1.5	8.50	3.0
XV4 18 18	1.5	2	10.8	4.2
XV4 18 27	2.2	3	15.5	6.2
XV4 18 35	-	4.0	-	7.1
XV4 18 48	-	5.5	-	9.4

HYDRAULIC FEATURES

Code	Q Portata 2900 rpm						
	m ³ /h	0	1.5	2.4	3.6	4.8	6.0
	l/min	0	25	40	60	80	100
XV4 18 05	Hydraulic head (mt)	33	29	26	21	13	3
XV4 18 07		46	43	40	33	21	7
XV4 18 09		59	55	51	43	28	10
XV4 18 14		93	87	81	68	43	20
XV4 18 18		120	113	105	88	60	25
XV4 18 27		175	164	152	127	87	35
XV4 18 35		231	217	202	170	120	50
XV4 18 48		322	299	276	231	160	70

MEASUREMENTS

Code	Measures (mm)			Net Weight (kg)	
	Single phase	Three phase	B	Pump singlephase 230V	threephase 380V
XV4 18 05	630	630		98	10.4
XV4 18 07	694	674		98	11.6
XV4 18 09	767	737		98	13.2
XV4 18 14	904	874		98	15.4
XV4 18 18	1031	991		98	17.8
XV4 18 27	1310	1260		98	21.6
XV4 18 35	-	1447		98	-
XV4 18 48	-	1796		98	-



Code **XV4 35**

 4" submersible pump
 noryl impeller

PLUS

Suitable for clean water

For agricultural installation

Irrigation

Industrial and domestic pressurizing systems

 Sand content: Max 180g/m³
MATERIALS

Pump body, upper and lower closure: stainless steel Aisi 304

Motor body, lower closure: stainless steel Aisi 304

Upper motor body closure: stainless steel Aisi 304

Motor shaft: stainless steel Aisi 304

Mechanical seal: Graphite ceramics

Diffusers and Impellers: Noryl

ELECTRICAL FEATURES

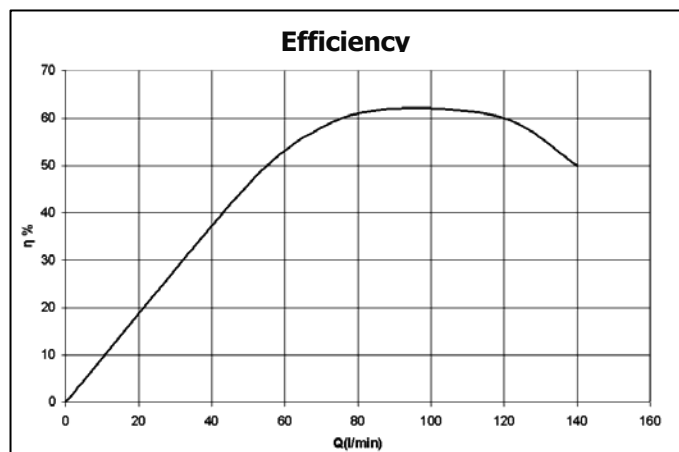
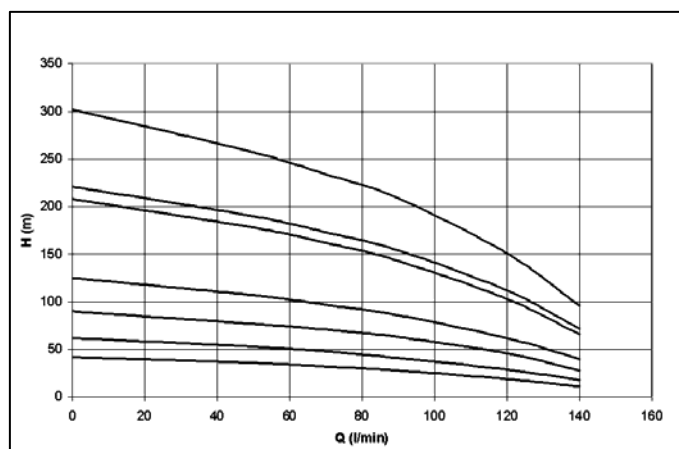
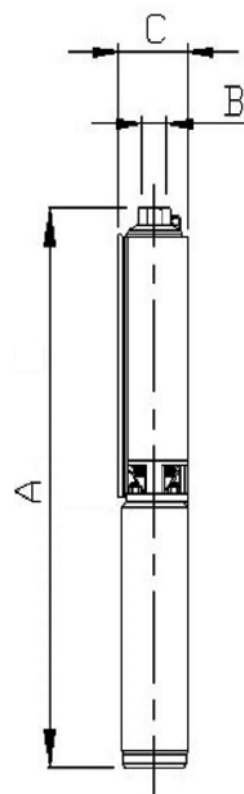
Code	Motor P2		Max. Current Amp	
	KW	HP	Single phase 230V	Three phase 380V
XV4 35 07	0.75	1	6.0	2.0
XV4 35 10	1.1	1.5	8.0	3.0
XV4 35 14	1.5	2.0	10.8	4.2
XV4 35 20	2.2	3.0	15.5	6.2
XV4 35 34	3.7	5.0	-	9.4
XV4 35 36	4.0	5.5	-	9.4
XV4 35 49	5.5	7.5	-	13.3

HYDRAULIC FEATURES

Code	Q Flow 2900 rpm						
	m ³ /h	0	3.0	4.2	5.4	7.2	8.4
	l/min	0	50	70	90	120	140
XV4 35 07	Hydraulic head (m)	42	36	32	28	19	11
XV4 35 10		62	53	48	41	29	18
XV4 35 14		90	77	71	63	46	28
XV4 35 20		125	107	97	86	62	40
XV4 35 34		208	178	162	143	103	66
XV4 35 36		221	190	173	154	112	72
XV4 35 49		302	257	234	209	151	96

MEASUREMENTS

Code	Measures (mm)			Net Weight (kg)	
	Single phase	Three phase	B	Pump singlephase 230V	threephase 380V
XV4 35 07	813	783		98	13.6
XV4 35 10	936	906		98	15.9
XV4 35 14	1100	1060		98	18.8
XV4 35 20	1374	1324		98	22.9
XV4 35 34	-	1861		98	-
XV4 35 36	-	1861		98	-
XV4 35 49	-	2425		98	-



Code **XV4 40**

 4" submersible pump
 noryl impeller

PLUS

Suitable for clean water

For agricultural installation

Irrigation

Industrial and domestic pressurizing systems

 Sand content: Max 180g/m³
MATERIALS

Pump body, upper and lower closure: stainless steel Aisi 304

Motor body, lower closure: stainless steel Aisi 304

Upper motor body closure: stainless steel Aisi 304

Motor shaft: stainless steel Aisi 304

Mechanical seal: Graphite ceramics

Diffusers and Impellers: Noryl

ELECTRICAL FEATURES

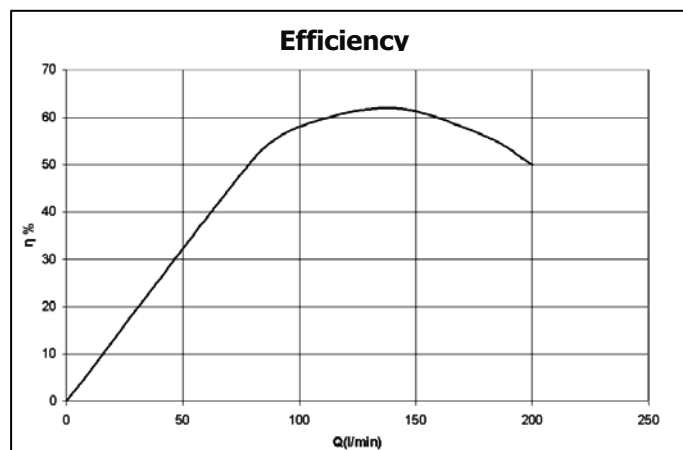
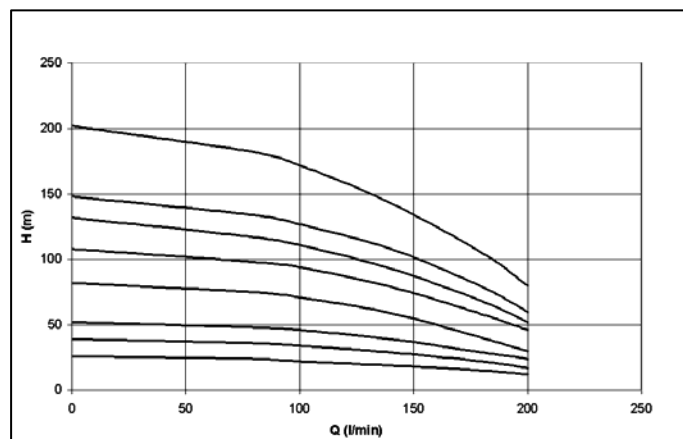
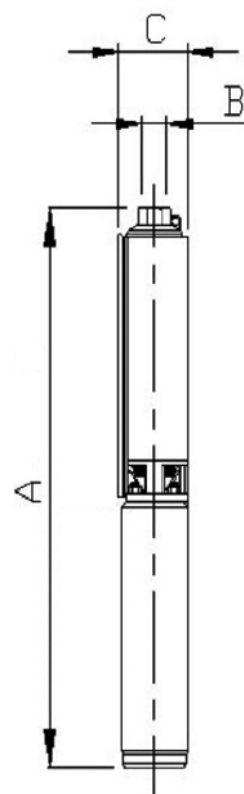
Code	Motor P2		Max. Current Amp	
	KW	HP	Single phase 230V	Three phase 380V
XV4 40 04	0.75	1	6.20	2.2
XV4 40 06	1.1	1.5	8.50	3.0
XV4 40 08	1.5	2.0	10.8	4.2
XV4 40 13	2.2	3.0	15.5	6.2
XV4 40 17	-	4.0	-	7.1
XV4 40 21	-	5.0	-	9.4
XV4 40 23	-	5.5	-	9.4
XV4 40 32	-	7.5	-	13.3

HYDRAULIC FEATURES

Code	Q Flow 2900 rpm						
	m ³ /h	0	4.8	6.0	8.4	10.8	12
	l/min	0	80	100	140	180	200
XV4 40 04	Hydraulic head (m)	26	24	22	19	15	12
XV4 40 06		39	36	34	29	22	17
XV4 40 08		52	48	46	39	29	24
XV4 40 13		82	75	71	59	40	30
XV4 40 17		108	98	94	79	58	46
XV4 40 21		132	117	111	93	68	52
XV4 40 23		148	134	127	108	79	60
XV4 40 32		202	182	172	143	105	80

MEASUREMENTS

Code	Measures (mm)			Net Weight (kg)	
	A		B	Pump	
	Single phase	Three phase		singlephase 230V	threephase 380V
XV4 40 04	717	687	RP 2"	98	12.7
XV4 40 06	809	779		98	14.7
XV4 40 08	911	871		98	17.1
XV4 40 13	1116	1066		98	20.9
XV4 40 17	-	1210		98	-
XV4 40 21	-	1402		98	-
XV4 40 23	-	1464		98	-
XV4 40 32	-	1861		98	-



Code **XV4 05 X**

 4" submersible pump
 Inox impeller

PLUS

Suitable for clean water

For agricultural installation

Irrigation

Industrial and domestic pressurizing systems

 Sand content: Max 50g/m³
MATERIALS

Pump body, upper and lower closure: stainless steel Aisi 304

Motor body, lower closure: stainless steel Aisi 304

Upper motor body closure: stainless steel Aisi 304

Motor shaft: stainless steel Aisi 304

Mechanical seal: Graphite ceramics

Diffusers and Impellers: stainless steel Aisi 304

ELECTRICAL FEATURES

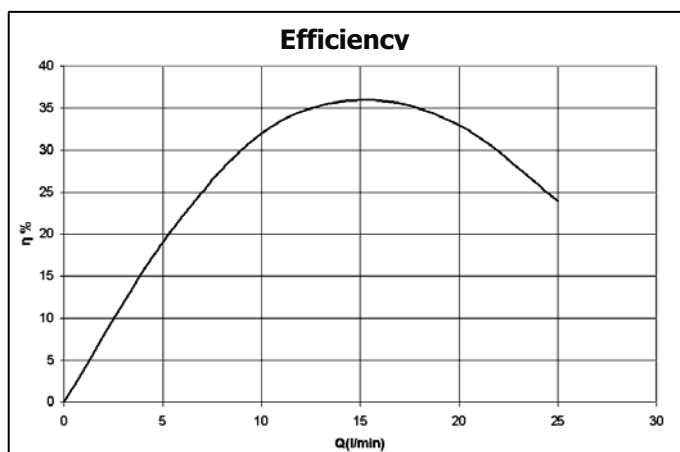
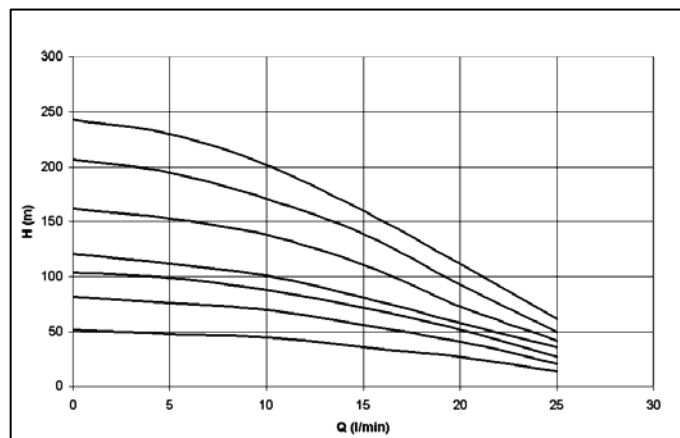
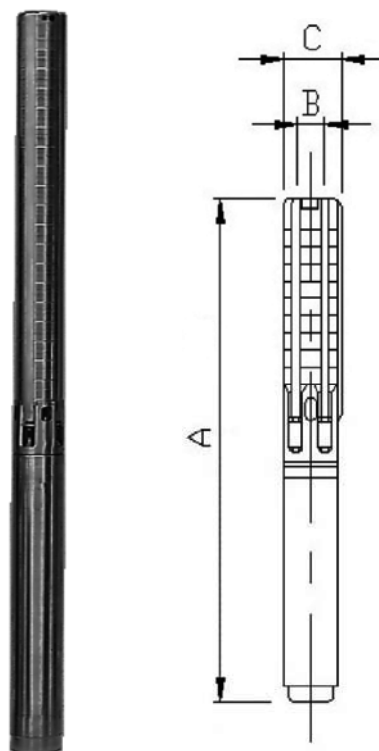
Code	Motor P2		Max. Current Amp	
	KW	HP	220V 1~	380V 3~
XV4 05 09X	0.37	0.5	3.1	1.2
XV4 05 14X	0.37	0.5	3.1	1.2
XV4 05 18X	0.55	0.75	5	1.6
XV4 05 21X	0.55	0.75	5	1.6
XV4 05 28X	0.75	1	6.2	2.2
XV4 05 36X	1.1	1.5	8.5	3

HYDRAULIC FEATURES

Code	Q Flow 2900 rpm						
	m ³ /h	0	0,3	0,6	0,9	1,2	1,5
	l/min	0	5	10	15	20	25
XV4 05 09X	Hydraulic head (mt)	52	48	45	36	27	14
XV4 05 14X		82	76	70	56	41	21
XV4 05 18X		104	99	88	72	52	27
XV4 05 21X		121	112	101	81	58	36
XV4 05 28X		162	153	138	111	73	42
XV4 05 36X		207	195	171	139	93	50

MEASUREMENTS

Code	Dimensioni (mm)			Net weight (kg)		
	A		B	C	Pump	
	Single phase	Three phase			Single phase	Three phase
XV4 05 09X	729	729	NPT/ RP 1 1/4"	98	10.6	10.1
XV4 05 14X	834	834		98	11.4	10.9
XV4 05 18X	938	918		98	13	12.2
XV4 05 21X	1001	981		98	13.6	12.8
XV4 05 28X	1178	1148		98	16.1	15
XV4 05 36X	1399	1369		98	21.2	20



Code **XV4 10 X**

 4" submersible pump
 Inox impeller

PLUS

Suitable for clean water

For agricultural installation

Irrigation

Industrial and domestic pressurizing systems

 Sand content: Max 50g/m³
MATERIALS

Pump body, upper and lower closure: stainless steel Aisi 304

Motor body, lower closure: stainless steel Aisi 304

Upper motor body closure: stainless steel Aisi 304

Motor shaft: stainless steel Aisi 304

Mechanical seal: Graphite ceramics

Diffusers and Impellers: stainless steel Aisi 304

ELECTRICAL FEATURES

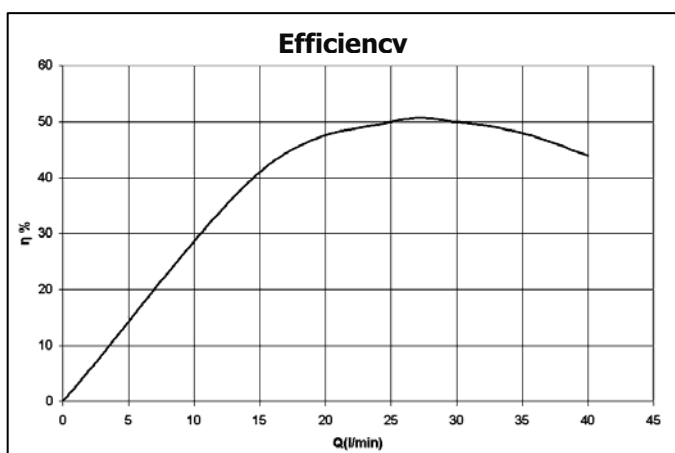
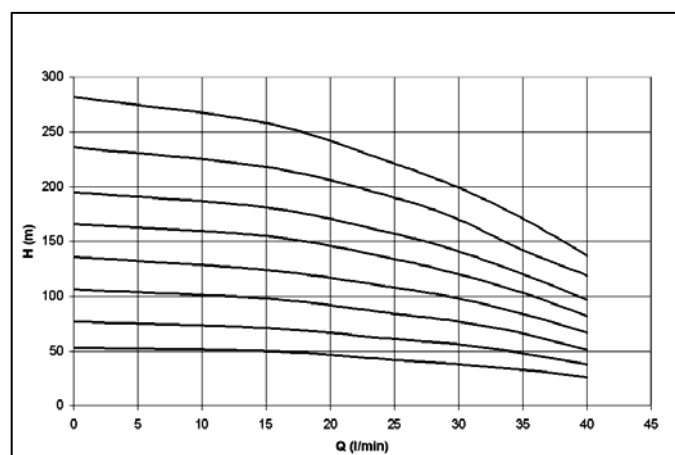
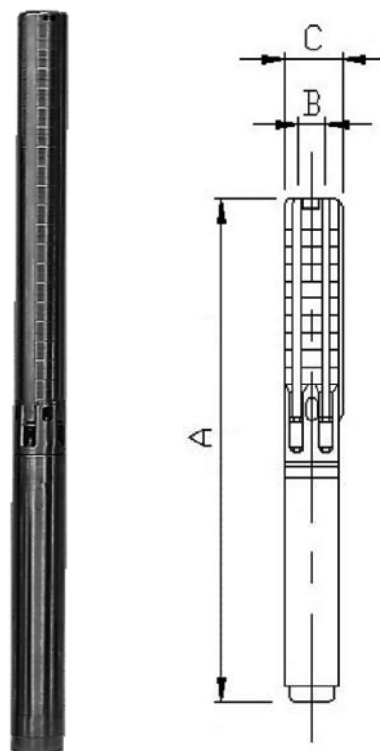
Code	Motor P2		Max. Current Amp	
	KW	HP	220V 1~	380V 3~
XV4 10 09X	0.37	0.5	3.1	1.2
XV4 10 13X	0.55	0.75	5	1.6
XV4 10 18X	0.75	1	6.2	2.2
XV4 10 23X	1.1	1.5	8.5	3
XV4 10 28X	1.5	2	10.8	4.2
XV4 10 33X	1.5	2	10.8	4.2
XV4 10 40X	2.2	3	15.5	6.2
XV4 10 48X	2.2	3	15.5	6.2

HYDRAULIC FEATURES

Code	Q Flow 2900 rpm						
	m ³ /h	0	0,9	1,5	1,8	2,1	2,4
	l/min	0	15	25	30	35	40
XV4 10 09X	Hydraulic head (mt)	53	50	42	38	33	26
XV4 10 13X		77	71	61	56	48	38
XV4 10 18X		106	98	84	77	66	51
XV4 10 23X		136	124	108	98	84	67
XV4 10 28X		166	155	134	120	103	82
XV4 10 33X		195	181	157	141	120	97
XV4 10 40X		236	218	190	170	142	119
XV4 10 48X		282	258	221	199	171	137

MEASUREMENTS

Code	Measures (mm)			Net weight (kg)		
	A		B	Pump		C
	Single phase	Three phase		1~ phase	3~ phase	
XV4 10 09X	729	729	NPT/ RP 1 1/4"	98	10.7	10.2
XV4 10 13X	833	813		98	12.4	11.6
XV4 10 18X	868	838		98	14.6	13.5
XV4 10 23X	1103	1073		98	17	15.8
XV4 10 28X	1248	1208		98	19.7	18
XV4 10 33X	1376	1336		98	22.8	21.1
XV4 10 40X	1573	1523		98	26.9	24.7
XV4 10 48X	1741	1691		98	28.9	26.7



Code **XV4 18 X**

 4" submersible pump
 Inox impeller

PLUS

Suitable for clean water

For agricultural installation

Irrigation

Industrial and domestic pressurizing systems

 Sand content: Max 50g/m³
MATERIALS

Pump body, upper and lower closure: stainless steel Aisi 304

Motor body, lower closure: stainless steel Aisi 304

Upper motor body closure: stainless steel Aisi 304

Motor shaft: stainless steel Aisi 304

Mechanical seal: Graphite ceramics

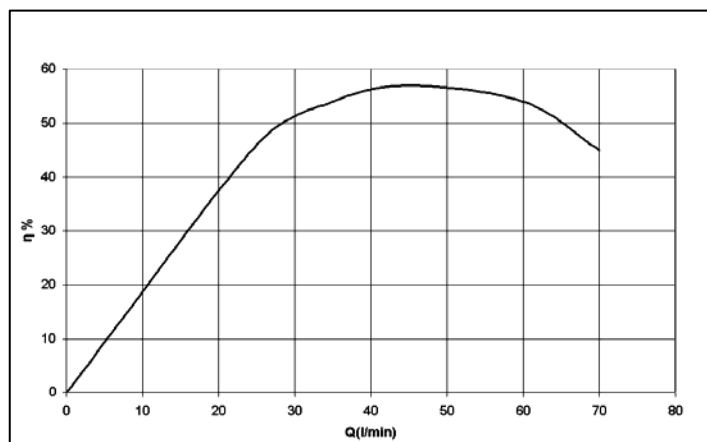
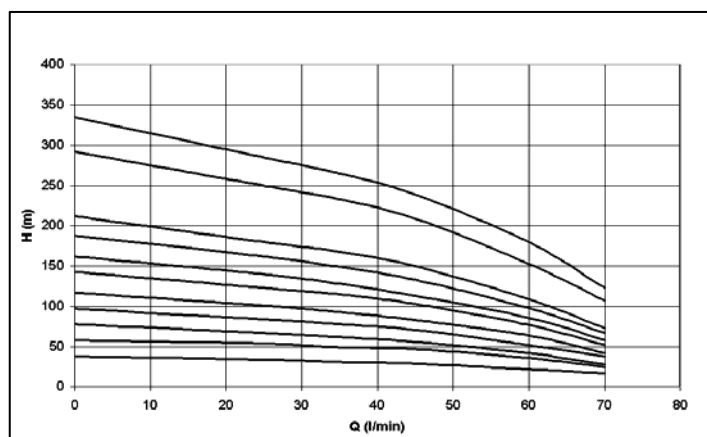
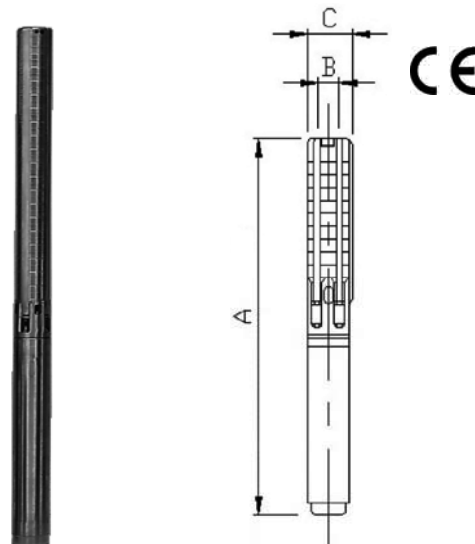
Diffusers and Impellers: stainless steel Aisi 304

ELECTRICAL FEATURES

Code	Motor P2		Max. Current Amp	
	KW	HP	220V 1~	380V 3~
XV4 18 06X	0.37	0.5	3.1	1.2
XV4 18 09X	0.55	0.75	5	1.6
XV4 18 12X	0.75	1	6.2	2.2
XV4 18 15X	1.1	1.5	8.5	3
XV4 18 18X	1.1	1.5	8.5	3
XV4 18 22X	1.5	2	10.8	4.2
XV4 18 25X	1.5	2	10.8	4.2
XV4 18 29X	2.2	3	15.5	6.2
XV4 18 33X	2.2	3	15.5	6.2
XV4 18 45X	3	4	-	7.1
XV4 18 52X	4	5.5	-	9.4

HYDRAULIC FEATURES

Code	Q Flow 2900 rpm						
	m ³ /h	0	1.5	2.1	2.7	3.6	4.2
	l/min	0	25	35	45	60	70
XV4 18 06X	Hydraulic head (mt)	38	34	31	29	22	17
XV4 18 09X		58	54	49	47	36	25
XV4 18 12X		78	67	62	56	42	28
XV4 18 15X		97	84	78	71	52	38
XV4 18 18X		117	101	93	83	64	42
XV4 18 22X		143	123	115	103	77	52
XV4 18 25X		162	140	128	113	86	58
XV4 18 29X		188	162	149	133	98	67
XV4 18 33X		212	180	168	150	109	73
XV4 18 45X		292	250	233	209	153	107
XV4 18 52X		335	285	265	239	180	123


MEASUREMENTS

Code	Measures (mm)			Net weight (kg)	
	A		B	Pump	
	Single phase	Three phase		Single phase	Three phase
XV4 18 06X	666	666	NPT/ RP 1 1/4"	98	10.1
XV4 18 09X	749	729		98	11.6
XV4 18 12X	842	812		98	13.5
XV4 18 15X	935	905		98	15.5
XV4 18 18X	998	968		98	16
XV4 18 22X	1122	1082		98	18.6
XV4 18 25X	1185	1145		98	19.2
XV4 18 29X	1319	1269		98	22.2
XV4 18 33X	1426	1376		98	25.1
XV4 18 45X	-	1648		98	-
XV4 18 52X	-	1825		98	-

Code **XV4 25 X**

 4" submersible pump
 Inox impeller

PLUS

Suitable for clean water
 For agricultural installation
 Irrigation
 Industrial and domestic pressurizing systems
 Sand content: Max 50g/m³

MATERIALS

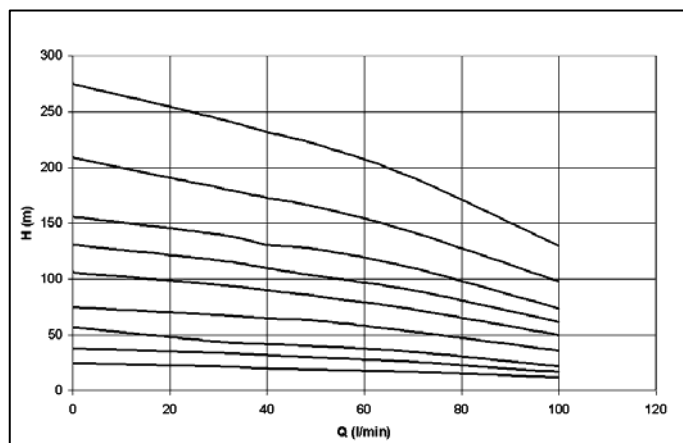
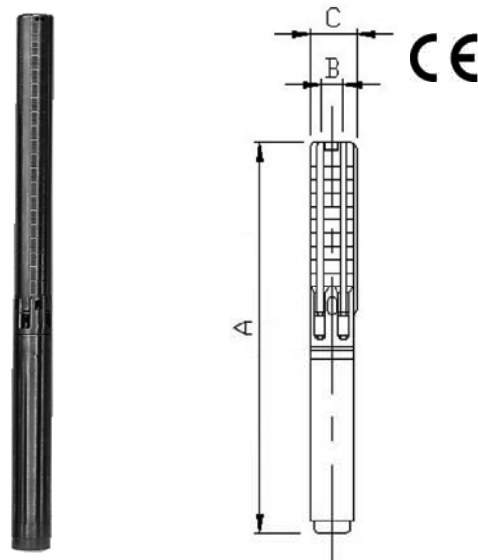
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 Motor body, lower closure: stainless steel Aisi 304
 Upper motor body closure: stainless steel Aisi 304
 Motor shaft: stainless steel Aisi 304
 Mechanical seal: Graphite ceramics
 Diffusers and Impellers: stainless steel Aisi 304

ELECTRICAL FEATURES

Code	Motor P2		Max. Current Amp	
	KW	HP	220V 1~	380V 3~
XV4 25 04X	0.37	0.5	3.1	1.2
XV4 25 06X	0.55	0.75	5	1.6
XV4 25 08X	0.75	1.0	6.2	2.2
XV4 25 12X	1.1	1.5	8.5	3
XV4 25 17X	1.5	2.0	10.8	4.2
XV4 25 21X	2.2	3.0	15.5	6.2
XV4 25 25X	2.2	3.0	15.5	6.2
XV4 25 33X	3.0	4.0	-	7.1
XV4 25 44X	4.0	5.5	-	9.4

HYDRAULIC FEATURES

Code	Q Flow 2900 rpm						
	m ³ /h	0	1.8	2.4	3.0	4.2	6.0
	l/min	0	30	40	50	70	100
XV4 25 04X	Hydraulic head (mt)	25	22	20	19	17	12
XV4 25 06X		38	34	32	30	26	17
XV4 25 08X		57	44	42	40	35	22
XV4 25 12X		75	68	65	63	53	36
XV4 25 17X		106	95	90	85	73	50
XV4 25 21X		131	117	110	103	90	62
XV4 25 25X		156	140	131	127	110	74
XV4 25 33X		209	182	173	165	142	98
XV4 25 44X		275	244	232	221	191	130


MEASUREMENTS

Code	Measures (mm)			Net weight (kg)		
	A		B	C	Pump	
	Single phase	Three phase			Single phase	Three phase
XV4 25 04X	624	624	NPT/ RP 1 1/2"	98	9.7	9.2
XV4 25 06X	686	666		98	11	10.2
XV4 25 08X	758	728		98	12.7	11.6
XV4 25 12X	872	842		98	14.9	13.7
XV4 25 17X	1017	977		98	17.6	15.9
XV4 25 21X	1151	1101		98	20.7	18.5
XV4 25 25X	1235	1185			21.4	19.2
XV4 25 33X	-	1381			-	23.6
XV4 25 44X	-	1642			-	28.7

Code **XV4 40 X**

 4" submersible pump
 Inox impeller

PLUS

Suitable for clean water

For agricultural installation

Irrigation

Industrial and domestic pressurizing systems

 Sand content: Max 50g/m³
MATERIALS

Pump body, upper and lower closure: stainless steel Aisi 304

Motor body, lower closure: stainless steel Aisi 304

Upper motor body closure: stainless steel Aisi 304

Motor shaft: stainless steel Aisi 304

Mechanical seal: Graphite ceramics

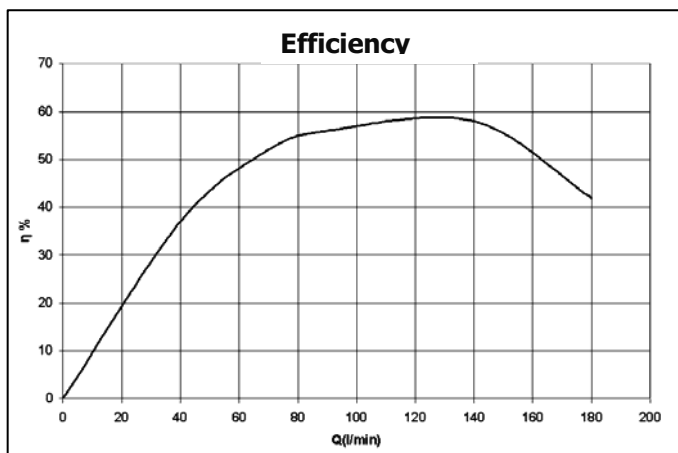
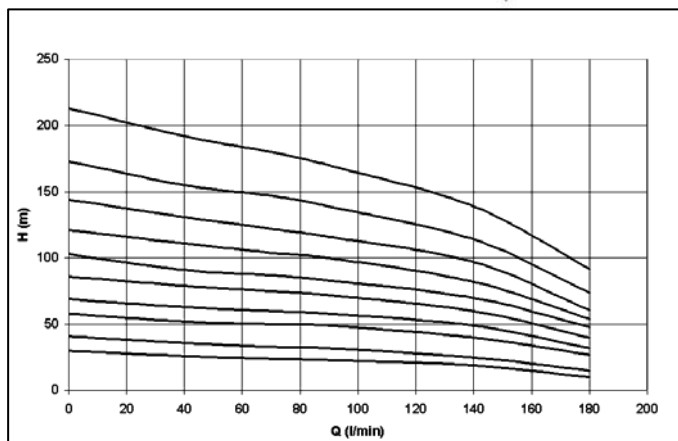
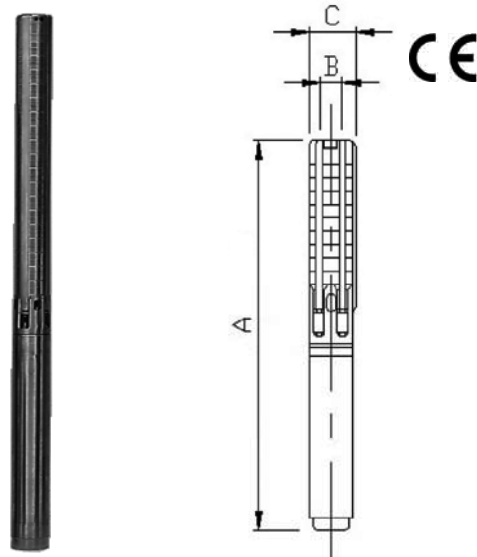
Diffusers and Impellers: stainless steel Aisi 304

ELECTRICAL FEATURES

Code	Motor P2		Max. Current Amp	
	KW	HP	220V 1~	380V 3~
XV4 40 05X	0.75	1.0	6.2	2.2
XV4 40 07X	1.1	1.5	8.5	3.0
XV4 40 10X	1.5	2.0	10.8	4.2
XV4 40 12X	2.2	3.0	15.5	6.2
XV4 40 15X	2.2	3.0	15.5	6.2
XV4 40 18X	3.0	4.0	-	7.1
XV4 40 21X	4.0	5.5	-	9.4
XV4 40 25X	4.0	5.5	-	9.4
XV4 40 30X	5.5	7.5	-	13.3
XV4 40 37X	5.5	7.5	-	13.3

HYDRAULIC FEATURES

Code	Q Flow 2900 rpm						
	m ³ /h	0	2.4	4.2	5.4	8.4	10.8
	l/min	0	40	70	90	140	180
XV4 40 05X	Hydraulic head (mt)	30	26	24	23	19	10
XV4 40 07X		41	36	33	32	25	15
XV4 40 10X		58	52	50	49	40	27
XV4 40 12X		69	63	60	58	49	32
XV4 40 15X		86	79	75	72	60	40
XV4 40 18X		103	91	87	83	70	48
XV4 40 21X		121	111	104	100	82	54
XV4 40 25X		144	131	122	116	97	61
XV4 40 30X		173	155	147	139	114	74
XV4 40 37X		213	192	180	170	139	92


MEASUREMENTS

Code	Measures (mm)			Net weight (kg)	
	A		B	Pump	
	Single phase	Three phase		Single phase	Three phase
XV4 40 05X	835	805	RP 2"	98	14.2
XV4 40 07X	949	919		98	16.6
XV4 40 10X	1115	1075		98	19.9
XV4 40 12X	1249	1199		98	23.2
XV4 40 15X	1375	1325		98	24.7
XV4 40 18X	-	1471		98	-
XV4 40 21X	-	1627		-	28.6
XV4 40 25X	-	1795		-	30.6
XV4 40 30X	-	2085		-	36.4
XV4 40 37X	-	2376		-	36.9

Code **XV4 70 X**

 4" submersible pump
 Inox impeller

PLUS

Suitable for clean water

For agricultural installation

Irrigation

Industrial and domestic pressurizing systems

 Sand content: Max 50g/m³
MATERIALS

Pump body, upper and lower closure: stainless steel Aisi 304

Motor body, lower closure: stainless steel Aisi 304

Upper motor body closure: stainless steel Aisi 304

Motor shaft: stainless steel Aisi 304

Mechanical seal: Graphite ceramics

Diffusers and Impellers: stainless steel Aisi 304

ELECTRICAL FEATURES

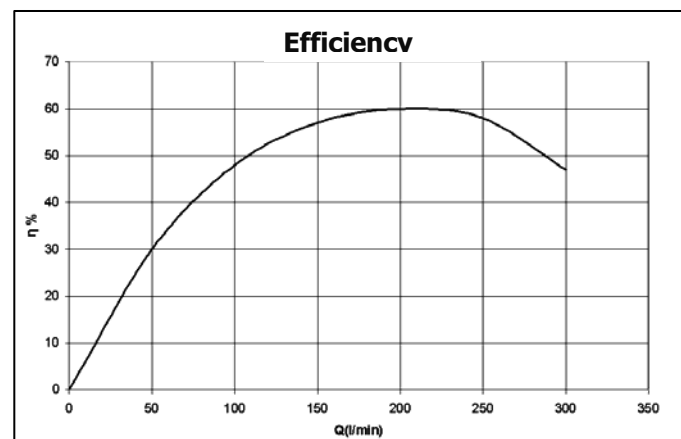
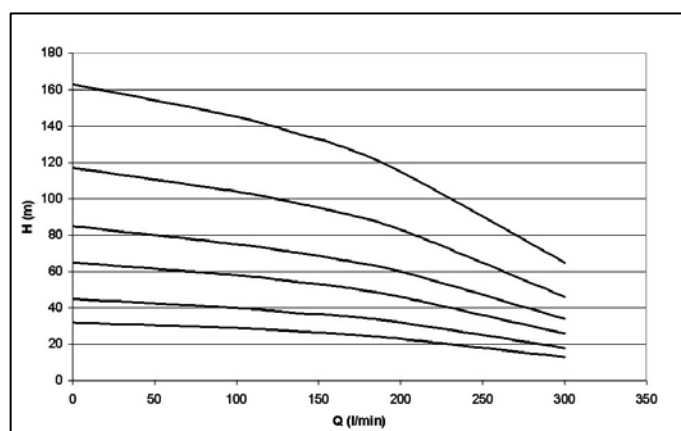
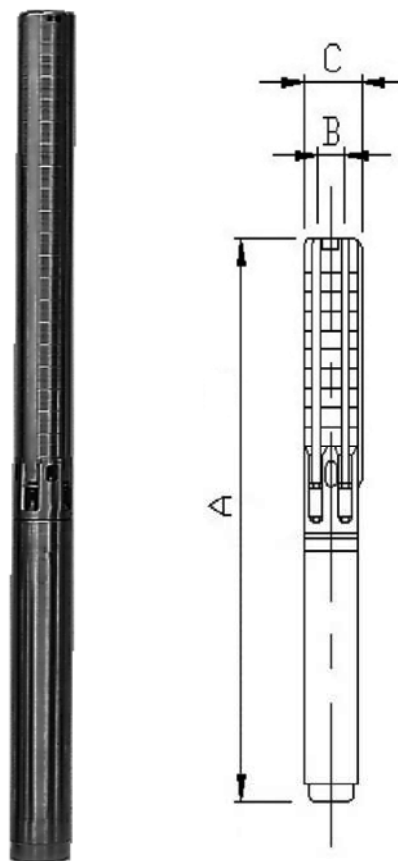
Code	Motor P2		Max. Current Amp	
	KW	HP	220V 1~	380V 3~
XV4 70 05X	1.5	2.0	10.8	4.2
XV4 70 07X	2.2	3.0	15.5	6.2
XV4 70 10X	3.0	4.0	-	7.1
XV4 70 13X	4.0	5.5	-	9.4
XV4 70 18X	5.5	7.5	-	13.3
XV4 70 25X	7.5	10	-	18

HYDRAULIC FEATURES

Code	Q Flow 2900 rpm						
	m ³ /h	0	0.3	0.6	0.9	1.2	1.5
	l/min	0	100	140	160	200	300
XV4 70 05X	Hydraulic head (m)	32	29	27	26	23	13
XV4 70 07X		45	40	37	36	32	18
XV4 70 10X		65	58	54	52	46	26
XV4 70 13X		85	75	70	67	60	34
XV4 70 18X		117	104	97	93	83	46
XV4 70 25X		163	145	135	130	115	65

MEASUREMENTS

Code	Measures (mm)			Net weight (kg)		
	A		B	C	Pump	
	Single phase	Three phase			Single phase	Three phase
XV4 70 05X	998	958	RP 2"	98	18.1	16.4
XV4 70 07X	1178	1128		98	21.7	19.5
XV4 70 10X	-	1343		98	-	22.2
XV4 70 13X	-	1568		98	-	26.5
XV4 70 18X	-	1973		98	-	33
XV4 70 25X	-	2658		98	-	46.3



Code **XV6 90X**

 6" Submersible pump
 Inox impeller

PLUS

Suitable for clean water
 For agricultural installation
 Irrigation
 Industrial and domestic pressurizing systems
 Sand content: Max 50g/m³

MATERIALS

Pump body, upper and lower closure: stainless steel Aisi 304
 Motor body, lower closure: stainless steel Aisi 304
 Upper motor body closure: stainless steel Aisi 304
 Motor shaft: stainless steel Aisi 304
 Mechanical seal: Graphite ceramics
 Diffusers and Impellers: Aisi 304

ELECTRICAL FEATURES

Code	Motor P2		Max. current
	KW	HP	Amp 380V
XV6 90 7X	4	5.5	9.6
XV6 90 10X	5.5	7.5	12.8
XV6 90 13X	7.5	10	16.9
XV6 90 17X	9.3	12.5	21

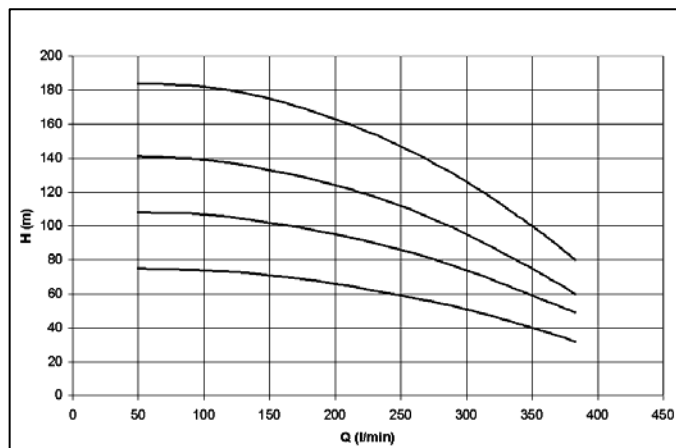
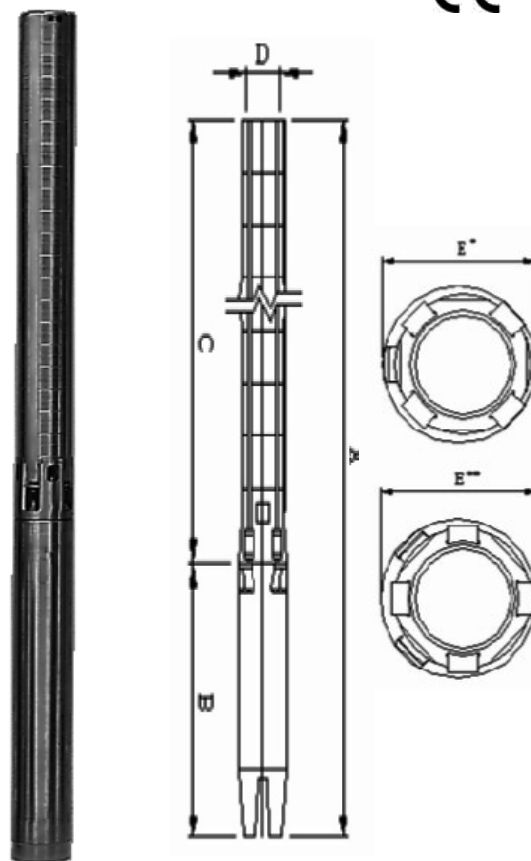
HYDRAULICS FEATURES

Code	Q FLOW 2900 RPM								
	m ³ /h	3	6	9	12	15	18	21	23
	l/min	50	100	150	200	250	300	350	383
XV6 90 7X	Hydraulic head (m)	75	74	71	66	59	51	40	32
XV6 90 10X		108	107	102	95	86	74	59	49
XV6 90 13X		141	139	133	124	112	95	75	60
XV6 90 17X		184	182	175	163	147	126	100	80

MEASUREMENTS

Code	Measures (mm)							Net Weight (kg)	
	A	B	C	D	E*	E**	Pump	Motor	
XV6 90 7X	1269	563	706	RP 2 1/2"	131		13.7	25	
XV6 90 10X	1501	614	887		131		18	48	
XV6 90 13X	1715	646	1069		142	142	22.4	52	
XV6 90 17X	2022	711	1311		142	142	28.2	58	

E*: Maximum diameter of pump with one motor cable
 E**: Maximum diameter of pump with two motor cables



MATERIALI COMPONENTI

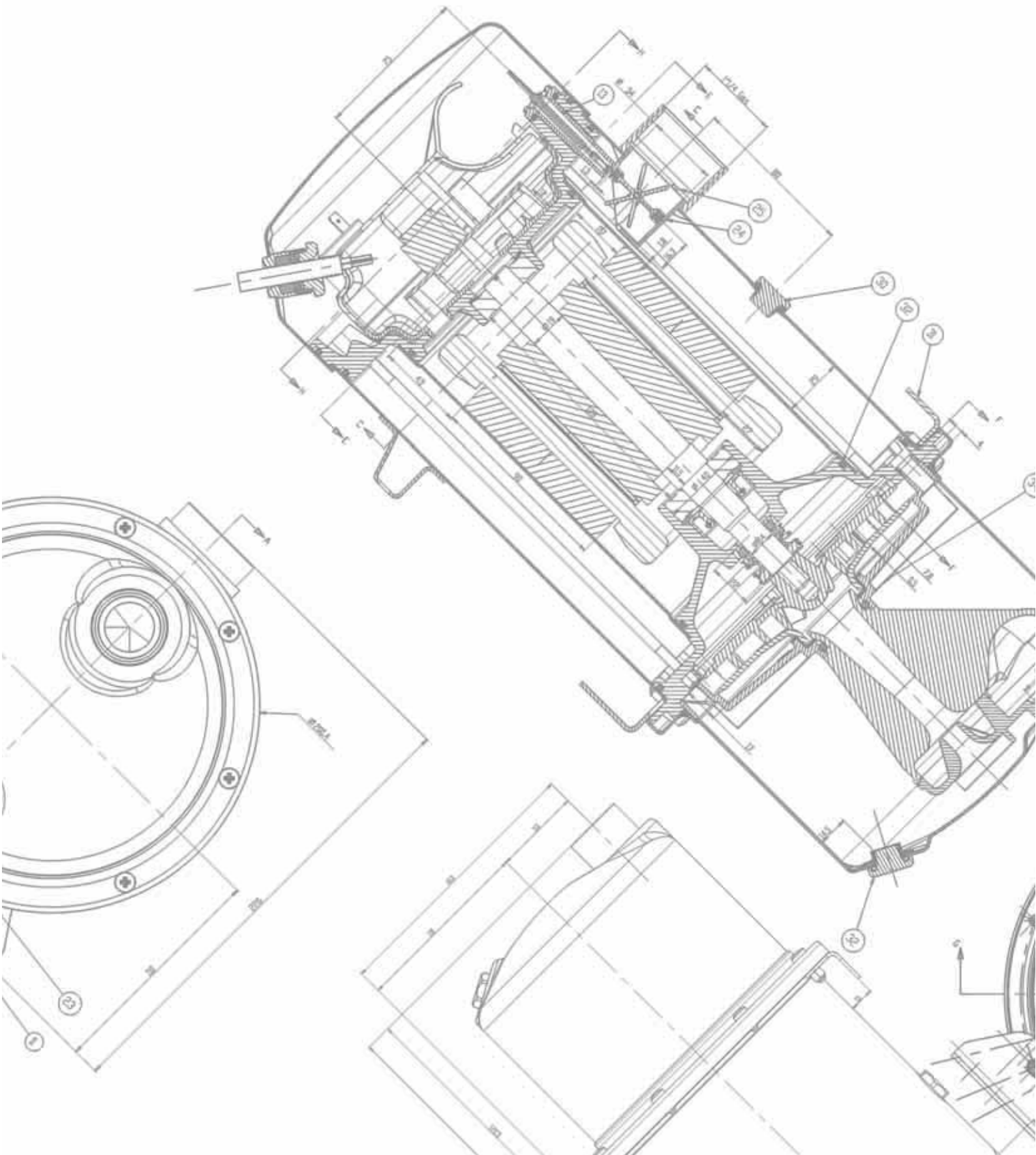


TABELLE DEI MATERIALI

COMPONENTE / COMPOSANT		MATERIALE / MATÉRIEL			
		X-JE B	X-MN B	X-MO B	X-JE P
CORPO POMPA / CORPS POMPE	1	AISI 304	AISI 304	AISI 304	TECHNOPOLYMER (PP)
CORPO MOTORE ESTERNO / CORPS MOTEUR EXTERNE	2	AISI 304	AISI 304	AISI 304	AISI 304
CORPO MOTORE INTERNO / CORPS MOTEUR INTÉRIEUR	3	AISI 304	AISI 304	AISI 304	AISI 304
CALOTTA POSTERIORE / COUVERCLE ARRIÈRE	4	TECHNOPOLYMER (PP)	TECHNOPOLYMER (PP)	TECHNOPOLYMER (PP)	TECHNOPOLYMER (PP)
PRESSACAVO IP 68 / SERRE-CÂBLE IP 68	5	NICHEL PLATE BRASS	NICHEL PLATE BRASS	NICHEL PLATE BRASS	NICHEL PLATE BRASS
FLANGE / BRIDES	6	TECHNOPOLYMER (PP)	TECHNOPOLYMER (PP)	TECHNOPOLYMER (PP)	TECHNOPOLYMER (PP)
ALLOGGIAMENTO CUSCINETTI / COMPARTIMENT DES ROUEMENTS	7	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM
ALBERO MOTORE / ARBRE MOTEUR	8	AISI 420	AISI 420	AISI 420	AISI 420
GIRANTI / ROTORS	9	NORYL	NORYL	AISI 304	NORYL
DISTANZIALI GIRANTI / ENTRETOISES DES ROTORS	10	X	X	BRASS	X
DIFFUSORI / DIFFUSEUR	11	NORYL	NORYL	NORYL	NORYL
VENTURI E UGELLO / VENTURI ET BUSE	12	NORYL	X	X	NORYL
TENUTA MECCANICA / GARNITURE MÉCANIQUE	13	CERAMIC / GRAPHITE	CERAMIC / GRAPHITE	CERAMIC / GRAPHITE	CERAMIC / GRAPHITE
TENUTA POSTERIORE / GARNITURE ARRIÈRE	14	NBR 70	NBR 70	NBR 70	NBR 70
CLASSE ISOLAMENTO MOTORE / CLASSE D'ISOLATION MOTEUR	15	F	F	F	F
PROTEZIONE TERMOAMPEROMETRICA / PROTECTION THERMIQUE	16	S 06-160	S 06-160	S 06-160	S 06-160
CONDENSATORE / CONDENSATEUR	17	EN 60252-1 c.l.B	EN 60252-1 c.l.B	EN 60252-1 c.l.B	EN 60252-1 c.l.B
CAVO ALIMENTAZIONE / CÂBLE D'ALIMENTATION	18	H07 RN-F	H07 RN-F	H07 RN-F	H07 RN-F
BULLONERIA / BULLONERIE	19	A2 STAINLESS STEEL	A2 STAINLESS STEEL	A2 STAINLESS STEEL	A2 STAINLESS STEEL
TIRANTI MULTISTADIO / TIRANTS MULTICELLULAIRES	20	X	X	A2 STAINLESS STEEL	X
O-RING	21	NBR 70	NBR 70	NBR 70	NBR 70
OLIO LUBRIFICAZIONE TENUTE / HUILE POUR LUBRIFICATION GARNITURES	22	DIN 51524 TEIL 2 HLP	DIN 51524 TEIL 2 HLP	DIN 51524 TEIL 2 HLP	DIN 51524 TEIL 2 HLP

VERSIONE AUTOMATICA / VERSION AUTOMATIQUE					
SENSORE DI FLUSSO / SENSEUR DE FLUX	23	NORYL	X	NORYL	NORYL
MAGNETI SENSORE DI FLUSSO / AIMANTS SENSEUR DE FLUX	24	SA-CO	X	SA-CO	SA-CO
PRESSOSTATO / PRESSOSTAT	25	RYTON, SILOPREN, NBR 70	X	RYTON, SILOPREN, NBR 70	RYTON, SILOPREN, NBR 70
SCHEDA ELETTRONICA / CARTE ÉLECTRONIQUE	26	RHOS COMPLIANCE	X	RHOS COMPLIANCE	RHOS COMPLIANCE

COMPONENTE / COMPOSANT		MATERIALE / MATÉRIEL			
		X-JE	X-MN	X-MO	X-MV
CORPO POMPA / CORPS POMPE	1	AISI 304	AISI 304	AISI 304	AISI 304
CORPO MOTORE ESTERNO / CORPS MOTEUR EXTERNE	2	AISI 304	AISI 304	AISI 304	AISI 304
CORPO MOTORE INTERNO / CORPS MOTEUR INTÉRIEUR	3	AISI 304	AISI 304	AISI 304	AISI 304
CALOTTA POSTERIORE / COUVERCLE ARRIÈRE	4	AISI 304	AISI 304	AISI 304	AISI 304
PRESSACAVO IP 68 / SERRE-CÂBLE IP 68	5	NICHEL PLATE BRASS	NICHEL PLATE BRASS	NICHEL PLATE BRASS	NICHEL PLATE BRASS
FLANGE / BRIDES	6	BRASS	BRASS	BRASS	BRASS
ALLOGGIAMENTO CUSCINETTI / COMPARTIMENT DES ROUEMENTS	7	BRASS	BRASS	BRASS	BRASS
ALBERO MOTORE / ARBRE MOTEUR	8	AISI 420	AISI 420	AISI 420	AISI 420
GIRANTI / ROTORS	9	NORYL	AISI 304	AISI 304	AISI 304
DISTANZIALI GIRANTI / ENTRETOISES DES ROTORS	10	X	X	BRASS	BRASS
DIFFUSORI / DIFFUSEUR	11	NORYL	NORYL	NORYL	NORYL
VENTURI E UGELLO / VENTURI ET BUSE	12	NORYL	X	X	X
TENUTA MECCANICA / GARNITURE MÉCANIQUE	13	CERAMIC / GRAPHITE	CERAMIC / GRAPHITE	CERAMIC / GRAPHITE	CERAMIC / GRAPHITE
TENUTA POSTERIORE / GARNITURE ARRIÈRE	14	NBR 70	NBR 70	NBR 70	NBR 70
CLASSE ISOLAMENTO MOTORE / CLASSE D'ISOLATION MOTEUR	15	F	F	F	F
PROTEZIONE TERMOAMPEROMETRICA / PROTECTION THERMIQUE	16	S 06-160	S 06-160	S 06-160	S 06-160
CONDENSATORE / CONDENSATEUR	17	EN 60252-1 c.l.B	EN 60252-1 c.l.B	EN 60252-1 c.l.B	EN 60252-1 c.l.B
CAVO ALIMENTAZIONE / CÂBLE D'ALIMENTATION	18	H07 RN-F	H07 RN-F	H07 RN-F	H07 RN-F
BULLONERIA / BULLONERIE	19	A2 STAINLESS STEEL	A2 STAINLESS STEEL	A2 STAINLESS STEEL	A2 STAINLESS STEEL
TIRANTI MULTISTADIO / TIRANTS MULTICELLULAIRES	20	X	X	A2 STAINLESS STEEL	A2 STAINLESS STEEL
O-RING	21	NBR 70	NBR 70	NBR 70	NBR 70
OLIO LUBRIFICAZIONE TENUTE / HUILE POUR LUBRIFICATION GARNITURES	22	DIN 51524 TEIL 2 HLP	DIN 51524 TEIL 2 HLP	DIN 51524 TEIL 2 HLP	DIN 51524 TEIL 2 HLP

VERSIONE AUTOMATICA / VERSION AUTOMATIQUE					
SENSORE DI FLUSSO / SENSEUR DE FLUX	23	NORYL	X	NORYL	NORYL
MAGNETI SENSORE DI FLUSSO / AIMANTS SENSEUR DE FLUX	24	SA-CO	X	SA-CO	SA-CO
PRESSOSTATO / PRESSOSTAT	25	RYTON, SILOPREN, NBR 70	X	RYTON, SILOPREN, NBR 70	RYTON, SILOPREN, NBR 70
SCHEDA ELETTRONICA / CARTE ÉLECTRONIQUE	26	RHOS COMPLIANCE	X	RHOS COMPLIANCE	RHOS COMPLIANCE

	MATERIALE / MATÉRIEL					
	X-MV B	X-MD B	X-2C P	X-MF B	WP 15	X-JVP
1	AISI 304	AISI 304	AISI 304	AISI 304	BRASS	TECHNOPOLYMER (PP)
2	AISI 304	AISI 304	AISI 304	AISI 304	ALUMINIUM	AISI 304
3	AISI 304	AISI 304	AISI 304	AISI 304	X	AISI 304
4	TECHNOPOLYMER (PP)	TECHNOPOLYMER (PP)	TECHNOPOLYMER (PP)	TECHNOPOLYMER (PP)	TECHNOPOLYMER	TECHNOPOLYMER (PP)
5	NICHEL PLATE BRASS	NICHEL PLATE BRASS	NICHEL PLATE BRASS	NICHEL PLATE BRASS	TECHNOPOLYMER	NICHEL PLATED BRASS
6	TECHNOPOLYMER (PP)	TECHNOPOLYMER (PP)	TECHNOPOLYMER (PP)	TECHNOPOLYMER (PP)	ALUMINIUM	TECHNOPOLYMER (PP)
7	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM
8	AISI 420	AISI 420	AISI 420	AISI 420	AISI 304	AISI 420
9	AISI 304	AISI 304	AISI 304	AISI 304	NBR	NORYL
10	BRASS	BRASS	BRASS	BRASS	X	X
11	NORYL	NORYL	NORYL	NORYL	X	NORYL
12	X	X	X	X	X	NORYL
13	CERAMIC / GRAPHITE	CERAMIC / GRAPHITE	CERAMIC / GRAPHITE	CERAMIC / GRAPHITE	X	CERAMIC / GRAPHITE
14	NBR 70	NBR 70	NBR 70	NBR 70	NBR	NBR 70
15	F	F	F	F	F	F
16	S 06-160	S 06-160	S 06-160	S 06-160	S 06-160	S 06-160
17	EN 60252-1 d.B	EN 60252-1 d.B	EN 60252-1 d.B	EN 60252-1 d.B	EN 60252-1 d.B	EN 60252-1 d. B
18	H07 RN-F	H07 RN-F	H07 RN-F	H07 RN-F	H05 RN-F	H07 RN-F
19	A2 STAINLESS STEEL	A2 STAINLESS STEEL	A2 STAINLESS STEEL	A2 STAINLESS STEEL	A2 STAINLESS STEEL	A2 STAINLESS STEEL
20	A2 STAINLESS STEEL	A2 STAINLESS STEEL	A2 STAINLESS STEEL	A2 STAINLESS STEEL	X	X
21	NBR 70	NBR 70	NBR 70	NBR 70	NBR 70	NBR 70
22	DIN 51524 TEIL 2 HLP	DIN 51524 TEIL 2 HLP	DIN 51524 TEIL 2 HLP	DIN 51524 TEIL 2 HLP	X	DIN 51524 TEIL 2 HLP

VERSIONE AUTOMATICA / VERSION AUTOMATIQUE						
23	NORYL	X	NORYL	X	X	NORYL
24	SA-CO	X	SA-CO	X	X	SA-CO
25	RYTON, SILOPREN, NBR 70	X	RYTON, SILOPREN, NBR 70	X	X	RYTON, SILOPREN, NBR 70
26	RHOS COMPLIANCE	X	RHOS COMPLIANCE	X	X	RHOS COMPLIANCE

	MATERIALE / MATÉRIEL					
	X-MD	X-AL	X-VISCO	X-MARE	G-VOR	G-BICA
1	AISI 304	AISI 316	BRASS	BRASS	CAST IRON G 25	CAST IRON G 25
2	AISI 304	ALUMINIUM	X	X	CAST IRON G 25	CAST IRON G 25
3	AISI 304	X	X	X	X	X
4	AISI 304	PLATE	X	X	X	X
5	NICHEL PLATE BRASS	X	X	X	BRASS	BRASS
6	BRASS	X	X	X	X	X
7	BRASS	ALUMINIUM	X	X	CAST IRON G 25	CAST IRON G 25
8	AISI 420	AISI 316	STEEL C43	STEEL C43	AISI 416	AISI 416
9	AISI 304	AISI 316	BRASS GEAR	NBR	CAST IRON G 25	CAST IRON G 25
10	BRASS	X	X	X	X	X
11	NORYL	X	X	X	X	X
12	X	X	X	X	X	X
13	CERAMIC / GRAPHITE	CERAMIC / GRAPHITE	NBR LIPS	NBR LIPS	CERAMIC / GRAPHITE	CERAMIC / GRAPHITE
14	NBR 70	X	X	X	NBR	NBR
15	F	F	F	F	F	F
16	S 06-160	S 06-160	X	X	S 06-160	S 06-160
17	EN 60252-1 d.B	EN 60252-1 d.B	EN 60252-1 d.B	EN 60252-1 d.B	EN 60252-1 d.B	EN 60252-1 d.B
18	H07 RN-F	X	X	X	H07 RN-F	H07 RN-F
19	A2 STAINLESS STEEL	AISI 304 / 316	X	X	A2 STAINLESS STEEL	A2 STAINLESS STEEL
20	A2 STAINLESS STEEL	X	X	X	X	X
21	NBR 70	NBR 70	NBR 70	NBR 70	NBR 70	NBR 70
22	DIN 51524 TEIL 2 HLP	X	X	X	MARCOB2 ESSO	MARCOB2 ESSO

VERSIONE AUTOMATICA / VERSION AUTOMATIQUE						
23	X	X	X	X	X	X
24	X	X	X	X	X	X
25	X	X	X	X	X	X
26	X	X	X	X	X	X

COMPONENTE / COMPOSANT		MATERIALE / MATÉRIEL			
		XV	XV 4	XV 4X	XV 6X
CORPO POMPA / CORPS POMPE	1	AISI 304	AISI 304	AISI 304	AISI 304
CORPO MOTORE ESTERNO / CORPS MOTEUR EXTERNE	2	AISI 304	AISI 304	AISI 304	AISI 304
CORPO MOTORE INTERNO / CORPS MOTEUR INTÉRIEUR	3	AISI 304	AISI 304	AISI 304	AISI 304
CALOTTA POSTERIORE / COUVERCLE ARRIÈRE	4	AISI 304	TECHNOPOLYMER (PP)	TECHNOPOLYMER (PP)	TECHNOPOLYMER (PP)
PRESSACAVO IP 68 / SERRE-CÂBLE IP 68	5	X	X	X	X
FLANGE / BRIDES	6	AISI 304	ALUMINIUM / BRASS	ALUMINIUM / BRASS	CAST / IRON
ALLOGGIAMENTO CUSCINETTI / COMPARTIMENT DES ROULEMENTS	7	AISI 304	ALUMINIUM / BRASS	ALUMINIUM / BRASS	CAST / IRON
ALBERO MOTORE / ARBRE MOTEUR	8	AISI 304	AISI 304	AISI 304	AISI 304
GIRANTI / ROTORS	9	AISI 304	NORYL	AISI 304	AISI 304
DISTANZIALI GIRANTI / ENTRETOISES DES ROTORS	10	X	X	X	X
DIFFUSORI / DIFFUSEUR	11	AISI 304	NORYL	AISI 304	AISI 304
VENTURI E UGELLO / VENTURI ET BUSE	12	X	X	X	X
TENUTA MECCANICA / GARNITURE MÉCANIQUE	13	CERAMIC / GRAPHITE	CERAMIC / GRAPHITE	CERAMIC / GRAPHITE	CERAMIC / GRAPHITE
TENUTA POSTERIORE / GARNITURE ARRIÈRE	14	NBR 70	NBR 70	NBR 70	NBR 70
CLASSE ISOLAMENTO MOTORE / CLASSE D'ISOLATION MOTEUR	15	F	F	F	F
PROTEZIONE TERMOAMPEROMETRICA / PROTECTION THERMIQUE	16	X	X	X	X
CONDENSATORE / CONDENSATEUR	17	X	X	X	X
CAVO ALIMENTAZIONE / CÂBLE D'ALIMENTATION	18	X	X	X	X
BULLONERIA / BULLONERIE	19	X	X	X	X
TIRANTI MULTISTADIO / TIRANTS MULTICELLULAIRES	20	X	X	X	X
O-RING	21	NBR	NBR 70	NBR 70	NBR 70
OLIO LUBRIFICAZIONE TENUTE / HUILE POUR LUBRIFICATION GARNITURES	22	X	X	X	X
		VERSIONE AUT	VERSIONE AUTOMATICA / VERSION AUTOMATIQUE		
SENSORE DI FLUSSO / SENSEUR DE FLUX	23	X	X	X	X
MAGNETI SENSORE DI FLUSSO / AIMANTS SENSEUR DE FLUX	24	X	X	X	X
PRESSOSTATO / PRESSOSTAT	25	X	X	X	X
SCHEDA ELETTRONICA / CARTE ÉLECTRONIQUE	26	X	X	X	X

NOTES



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