

Self-priming Jet centrifugal pump with electronic system



Technopolymer check valve with flow control disc and spring in AISI 316 (standard equipment in automatic version)

Applications

- Domestic boosting
- Medium sprinkling and surface irrigations
- Tank drainage and transfers

Pumped liquid:

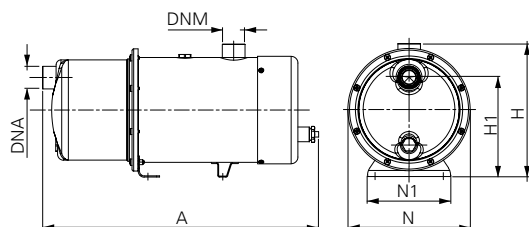
Clean water with no abrasive or suspended solids

Liquid temperature +2°C ÷ +40°C

Air temperature max +45°C

Depth max 5 m

Calibrating pressure rate switch 1,5 bar



Description

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

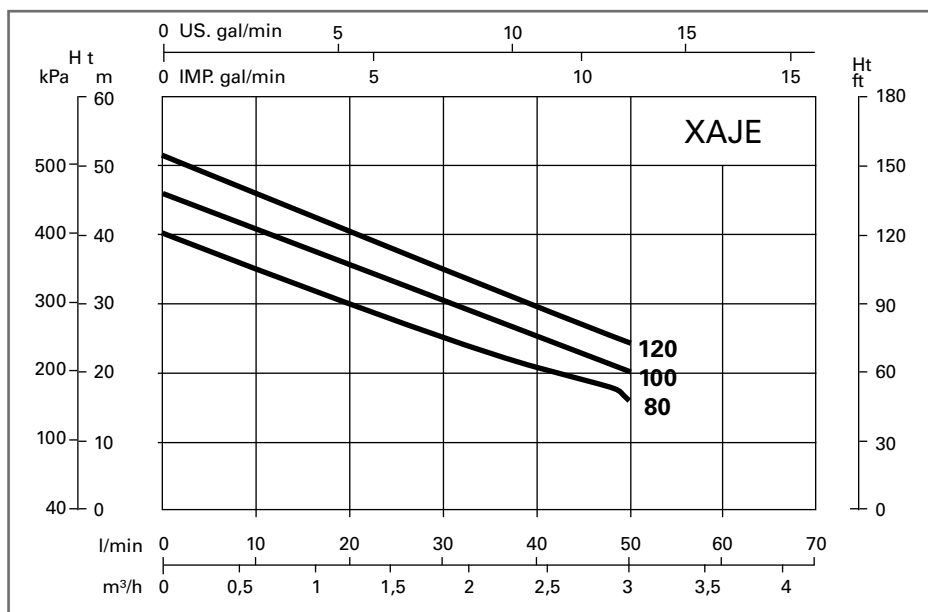
Protection rating IP 68

Materials

- Motor body and pump body: Stainless steel AISI 304
- Brass flange
- Shaft: Stainless steel AISI 420
- Diffuser, impeller and venturi Jet: Noryl
- Rear cap: Stainless steel AISI 304
- Basis: Stainless steel AISI 304
- Dumping feet: rubber
- Mechanical seal: Graphite ceramics
- Oil chamber on the mechanical seal
- A2 Stainless steel bolts
- NBR70 O-ring
- H07RN8-F Electric cable 10m length with Schuko plug
- Tropicalized circuit board in compliance with the RoHS directive
- Class F insulated motors

	Code	P ₂ Nom.		3 ~ 50Hz Amp.		1 ~ 50Hz Amp.	Cap µF	Q (lt/m) Flow								Dimensions mm							Wgt. kg
		kW	Hp	230 V	400 V	230 V		0	10	20	30	40	50	60	A	N	H	H1	N1	DNM	DNA		
																						Total Hm in CA	
AUTO 1-PH	XAJE80	0,60	0,8	-	-	4,5	16	40	33	30	24	20	15	-	447	200	226	163	136	1"¼	1"	14,5	
	XAJE100	0,75	1	-	-	5,3	16	47	40	35	30	25	20	5	477	200	226	163	136	1"¼	1"	15	
	XAJE120	0,90	1,2	-	-	5,9	18	51	45	40	34	30	24	8	477	200	226	163	136	1"¼	1"	16	
MAN 1-PH	XJE80	0,60	0,8	-	-	4,5	16	40	33	30	24	20	15	-	447	200	226	163	136	1"¼	1"	14,5	
	XJE100	0,75	1	-	-	5,3	16	47	40	35	30	25	20	5	477	200	226	163	136	1"¼	1"	15	
	XJE120	0,90	1,2	-	-	5,9	18	51	45	40	34	30	24	8	477	200	226	163	136	1"¼	1"	16	
MAN 3-PH	XJE80T	0,60	0,8	2,2	1,5	-	-	40	33	30	24	20	15	-	447	200	226	163	136	1"¼	1"	14,5	
	XJE100T	0,75	1	3	1,9	-	-	47	40	35	30	25	20	5	477	200	226	163	136	1"¼	1"	15	
	XJE120T	0,90	1,2	3,6	2,3	-	-	51	45	40	34	30	24	8	477	200	226	163	136	1"¼	1"	16	

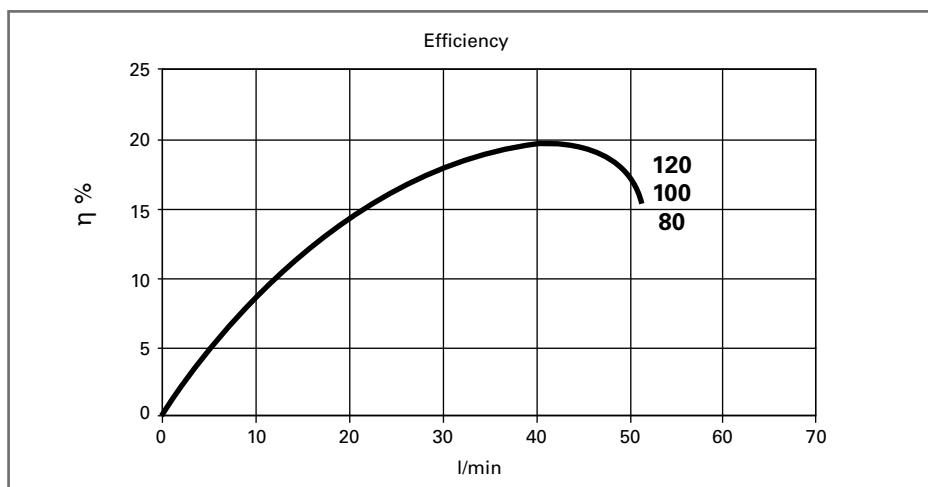
Curves and performance $\eta = 2900 \text{ 1/min}$



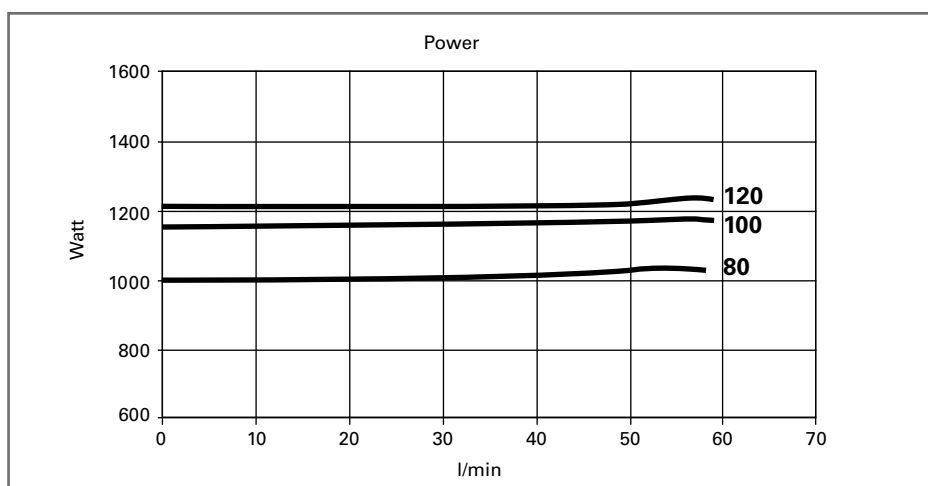
Technopolymer impeller



Front basis



Motor body with delivery mouth



Brass motor support

Self-priming Jet centrifugal pump with electronic system



Technopolymer check valve with flow control disc and spring in AISI 316 (standard equipment in automatic version)

Description

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

Applications

- Domestic boosting
- Medium sprinkling and surface irrigations
- Tank drainage and transfers

Pumped liquid:

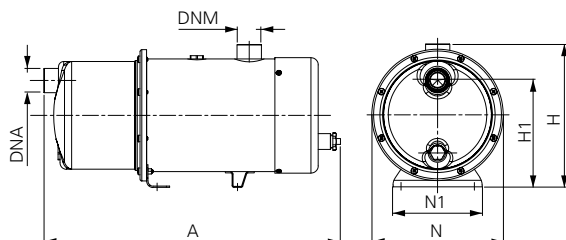
Clean water with no abrasive or suspended solids

Liquid temperature +2°C ÷ +40°C

Air temperature max +45°C

Depth max 5 m

Calibrating pressure rate switch 1,5 bar

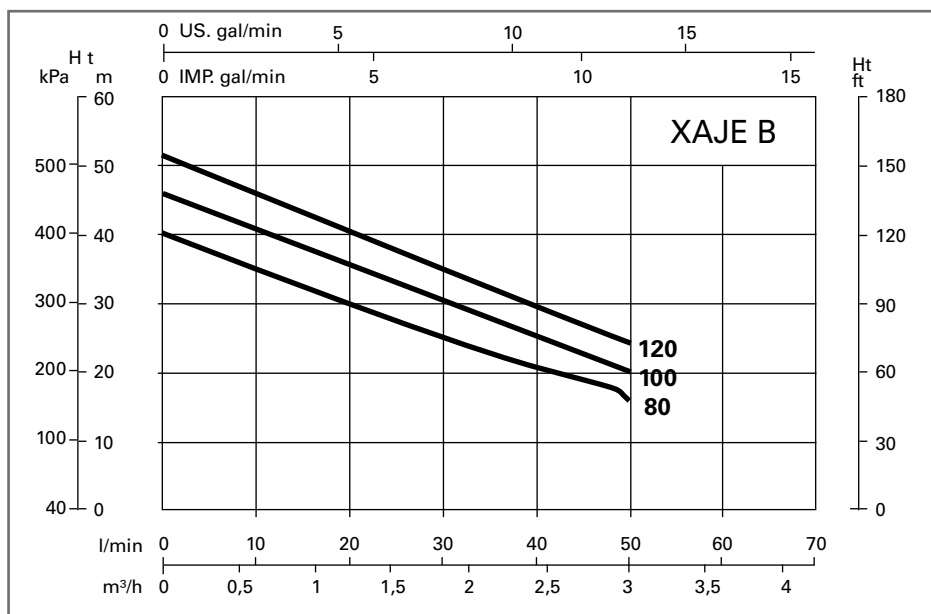


Materials

- Motor body and pump body: Stainless steel AISI 304
- echnopolymer flange
- Shaft: Stainless steel AISI 420
- Diffuser, impeller and venturi Jet: Noryl
- Rear cap: Polypropilene
- Basis: Stainless steel AISI 304
- Dumping feet: rubber
- Mechanical seal: Graphite ceramics
- Oil chamber on the mechanical seal
- A2 Stainless steel bolts
- NBR70 O-ring
- H07RN8-F Electric cable 10m length with Schuko plug
- Tropicalized circuit board in compliance with the RoHS directive
- Class F insulated motors

	Code	P ₂ Nom.		3 ~ 50Hz Amp.		1 ~ 50Hz Amp.	Cap µF	Q (lt/m) Flow								Dimensionis mm							Wgt. kg
		kW	Hp	230 V	400 V	230 V		0	10	20	30	40	50	60	A	N	H	H1	N1	DNM	DNA		
																						Total Hm in CA	
AUTO 1-PH	XAJE80B	0,60	0,8	-	-	4,5	16	40	33	30	24	20	15	-	447	200	226	163	136	1"¼	1"	14,5	
	XAJE100B	0,75	1	-	-	5,3	16	47	40	35	30	25	20	5	477	200	226	163	136	1"¼	1"	15	
	XAJE120B	0,90	1,2	-	-	5,9	18	51	45	40	34	30	24	8	477	200	226	163	136	1"¼	1"	16	
MAN 1-PH	XJE80B	0,60	0,8	-	-	4,5	16	40	33	30	24	20	15	-	447	200	226	163	136	1"¼	1"	14,5	
	XJE100B	0,75	1	-	-	5,3	16	47	40	35	30	25	20	5	477	200	226	163	136	1"¼	1"	15	
	XJE120B	0,90	1,2	-	-	5,9	18	51	45	40	34	30	24	8	477	200	226	163	136	1"¼	1"	16	
MAN 3-PH	XJE80BT	0,60	0,8	2,2	1,5	-	-	40	33	30	24	20	15	-	447	200	226	163	136	1"¼	1"	14,5	
	XJE100BT	0,75	1	3	1,9	-	-	47	40	35	30	25	20	5	477	200	226	163	136	1"¼	1"	15	
	XJE120BT	0,90	1,2	3,6	2,3	-	-	51	45	40	34	30	24	8	477	200	226	163	136	1"¼	1"	16	

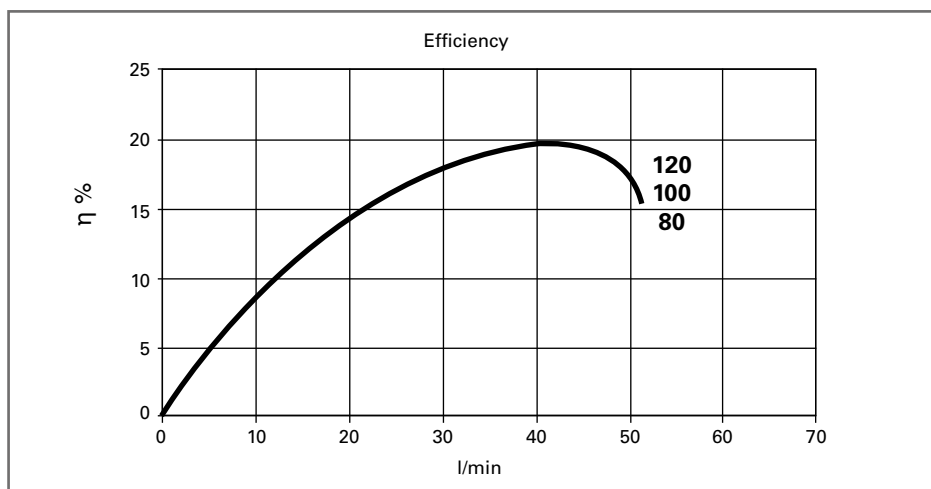
Curves and performance $\eta = 2900 \text{ 1/min}$



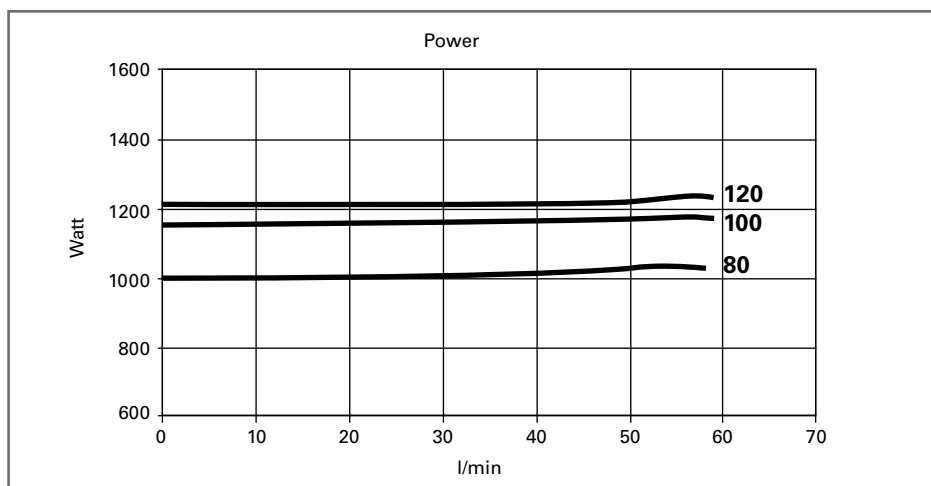
Technopolymer impeller



Cable fixing handle



Motor body with delivery mouth



Technopolymer motor support

Self-priming Jet centrifugal pump with electronic system



Technopolymer check valve with flow control disc and spring in AISI 316 (standard equipment in automatic version)

Applications

- Domestic boosting
- Medium sprinkling and surface irrigations
- Tank drainage and transfers

Pumped liquid:

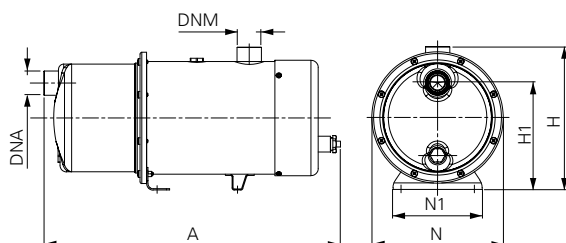
Clean water with no abrasive or suspended solids

Liquid temperature $+2^{\circ}\text{C} \div +40^{\circ}\text{C}$

Air temperature max $+45^{\circ}\text{C}$

Depth max 5 m

Calibrating pressure rate switch 1,5 bar



Description

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

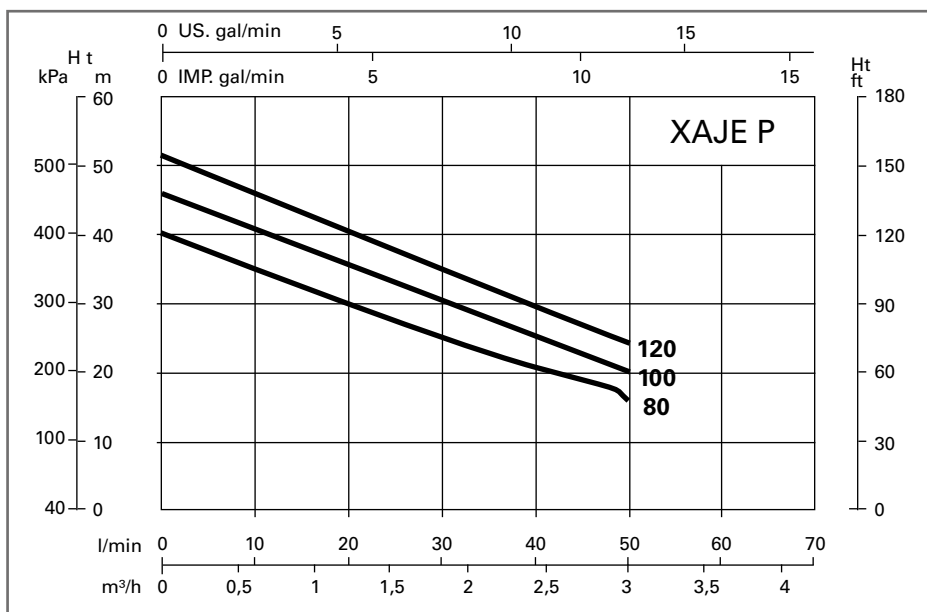
Protection rating IP 68

Materials

- Motor body: Stainless steel AISI 304
- Technopolymer flange and pump body
- Shaft: Stainless steel AISI 420
- Diffuser, impeller and venturi Jet: Noryl
- Rear cap: Polypropilene
- Basis: Stainless steel AISI 304
- Dumping feet: rubber
- Mechanical seal: Graphite ceramics
- Oil chamber on the mechanical seal
- A2 Stainless steel bolts
- NBR70 O-ring
- H07RN8-F Electric cable 10m length with Schuko plug
- Tropicalized circuit board in compliance with the RoHS directive
- Class F insulated motors

	Code	P ₂ Nom.		3 ~ 50Hz Amp.		1 ~ 50Hz Amp.	Cap µF	Q (lt/m) Flow							Dimensions mm							Wgt. kg
		kW	Hp	230 V	400 V	230 V		0	10	20	30	40	50	60	A	N	H	H1	N1	DNM	DNA	
								Total Hm in CA														
AUTO 1-PH	XAJE80P	0,60	0,8	-	-	4,5	16	40	33	30	24	20	15	-	447	200	226	163	136	1"¼	1"	11,5
	XAJE100P	0,75	1	-	-	5,3	16	47	40	35	30	25	20	5	477	200	226	163	136	1"¼	1"	12
	XAJE120P	0,90	1,2	-	-	5,9	18	51	45	40	34	30	24	8	477	200	226	163	136	1"¼	1"	13
MAN 1-PH	XJE80P	0,60	0,8	-	-	4,5	16	40	33	30	24	20	15	-	447	200	226	163	136	1"¼	1"	11,5
	XJE100P	0,75	1	-	-	5,3	16	47	40	35	30	25	20	5	477	200	226	163	136	1"¼	1"	12
	XJE120P	0,90	1,2	-	-	5,9	18	51	45	40	34	30	24	8	477	200	226	163	136	1"¼	1"	13
MAN 3-PH	XJE80PT	0,60	0,8	2,2	1,5	-	-	40	33	30	24	20	15	-	447	200	226	163	136	1"¼	1"	11,5
	XJE100PT	0,75	1	3	1,9	-	-	47	40	35	30	25	20	5	477	200	226	163	136	1"¼	1"	12
	XJE120PT	0,90	1,2	3,6	2,3	-	-	51	45	40	34	30	24	8	477	200	226	163	136	1"¼	1"	13

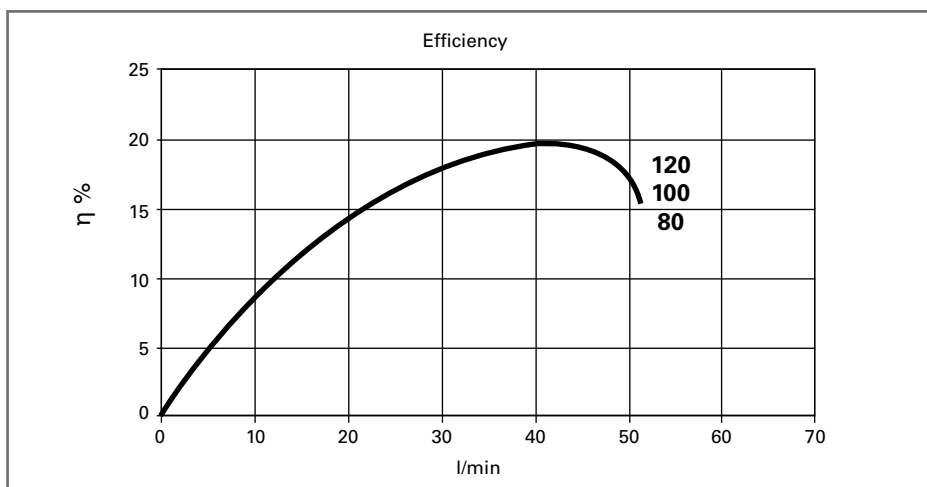
Curves and performance $\eta = 2900$ 1/min



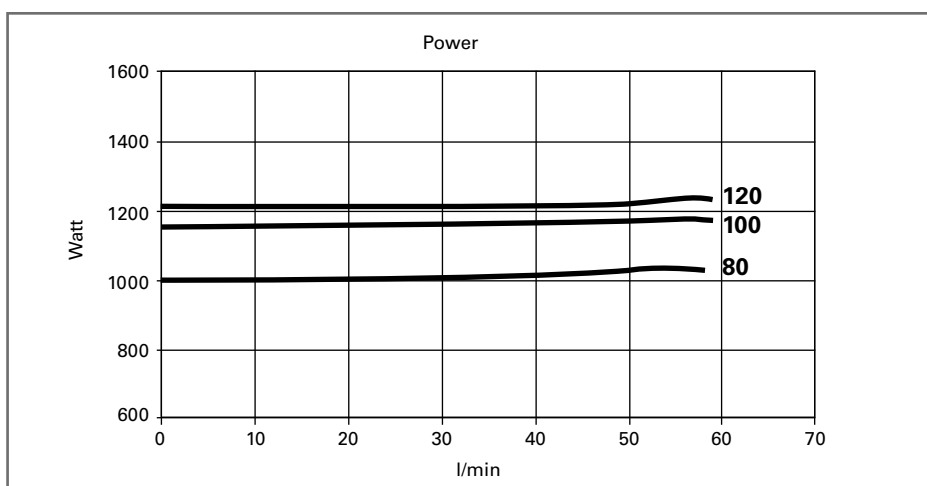
Technopolymer impeller



Cable fixing handle



Motor body with delivery mouth



Technopolymer motor support

XAJE 24



Self-priming Jet centrifugal pump with electronic system 24V



Technopolymer check valve with flow control disc and spring in AISI 316 (standard equipment in automatic version)

Description

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 IP68

Materials

- Motor body and pump body: Stainless steel AISI 304
- Brass flange
- Shaft: Stainless steel AISI 420
- Diffuser, impeller and venturi Jet: Noryl
- Rear cap: Stainless steel AISI 304
- Basis: Stainless steel AISI 304
- Dumping feet: rubber
- Mechanical seal: Graphite ceramics and oil chamber
- A2 Stainless steel bolts
- NBR70 O-ring
- H07RN-F Electric cable 2x6 mm² 5 m
- Tropicalized circuit board in compliance with the RoHS directive
- Class F insulated motors
- Permanent magnet DC motors

Applications

- Boat boosting
- Temporary installations
- Tank drainage
- Hydraulic systems powered by solar energy
- Pressurization station for electrically powered utilities with rechargeable batteries

Pumped liquid:

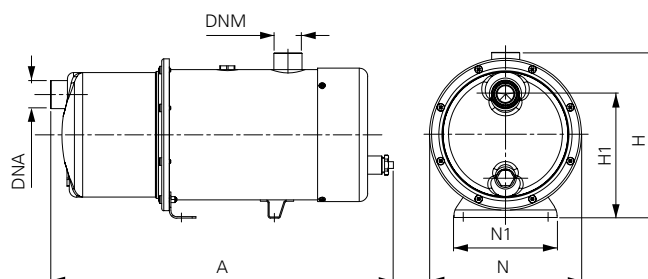
Clean water with no abrasive or suspended solids

Liquid temperature +2°C ÷ +40°C

Air temperature max +45°C

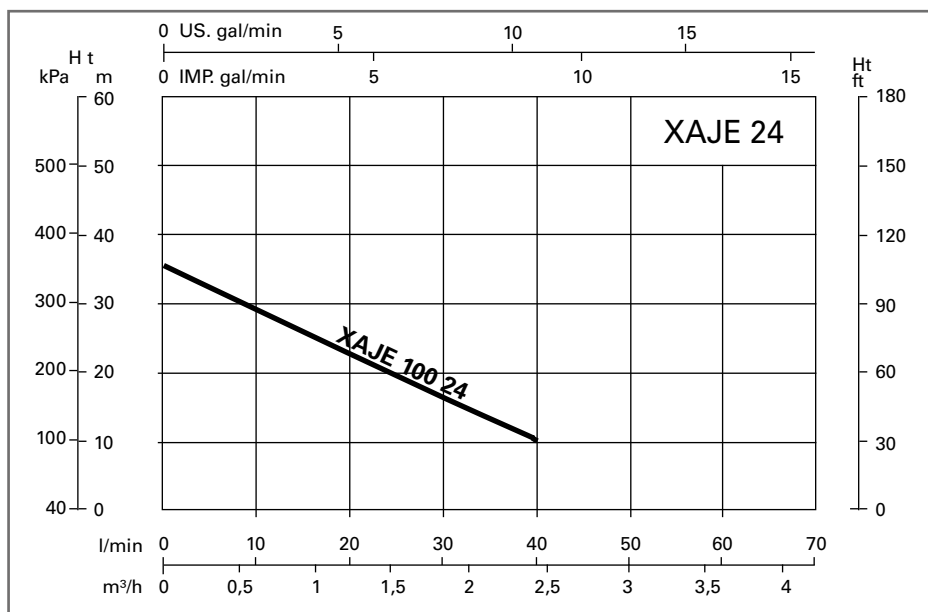
Depth max 5 m

Calibrating pressure rate switch 1,5 bar



AUTO 1-PH	Code	P2 Nom.		Low voltage 24 V		Q (lt/m) Flow						Dimensions mm							Wgt. kg	
		kW	Hp	Volt	Amp	0	10	20	30	40	50	60	A	N	H	H1	N1	DNM		DNA
						Total Hm in CA														
		XAJE10024	0,60	0,8	24	29	40	33	30	24	20	15	-	447	200	226	163	136	1"¼	1"

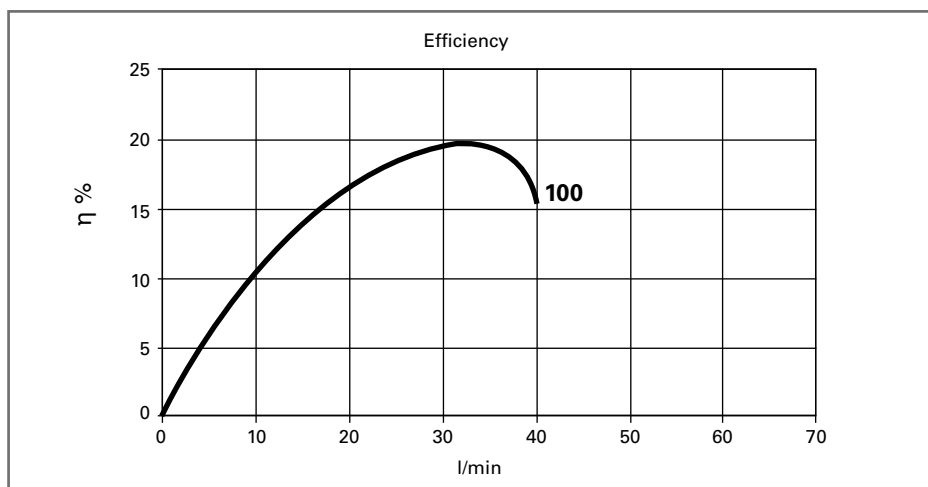
Curves and performance $n = 2900 \text{ 1/min}$



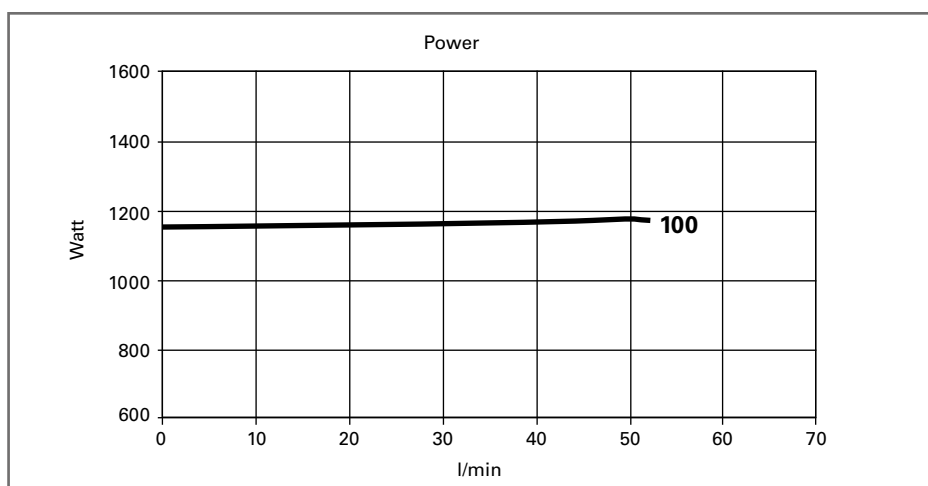
Technopolymer impeller



Front basis



Motor body with delivery mouth

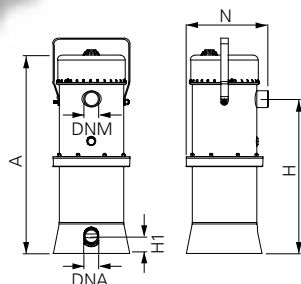


Brass motor support

Self-priming Jet centrifugal pump with electronic system



Technopolymer check valve with flow control disc and spring in AISI 316 assembled.



Description

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

Applications

- Domestic boosting
- Medium sprinkling and surface irrigations
- Tank drainage and transfers
- Industrial washing and cooling
- Systems for potable water treatment

Pumped liquid:

Clean water with no abrasive or suspended solids

Liquid temperature $+2^{\circ}\text{C} \div +40^{\circ}\text{C}$

Air temperature max $+45^{\circ}\text{C}$

Depth max 5 m

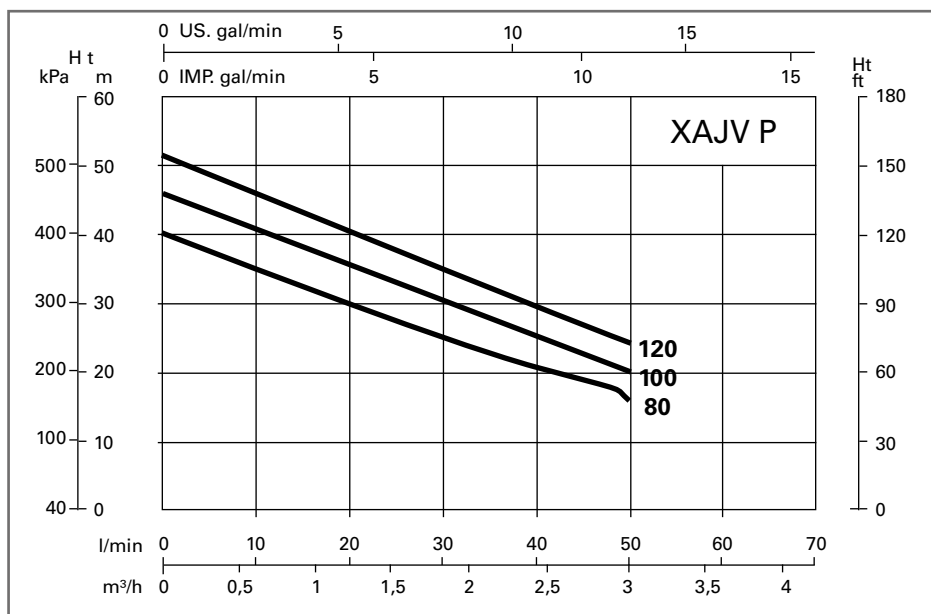
Calibrating pressure rate switch 1,5 bar

Materials

- Motor body: Stainless steel AISI 304
- Technopolymer flange and pump body
- Shaft: Stainless steel AISI 420
- Diffuser, impeller and venturi Jet: Noryl
- Rear cap: Polypropylene
- Basis: Stainless steel AISI 304
- Dumping feet: rubber
- Mechanical seal: Graphite ceramics
- Oil chamber on the mechanical seal
- A2 Stainless steel bolts
- NBR70 O-ring
- H07RN8-F Electric cable 10m length with Schuko plug
- Tropicalized circuit board in compliance with the RoHS directive
- Class F insulated motors

	Code	P ₂ Nom.		3 ~ 50Hz Amp.		1 ~ 50Hz Amp.	Cap μF	Q (lt/m) Flow								Dimensions mm						Wgt. kg
		kW	Hp	230 V	400 V	230 V		0	10	20	30	40	50	60	A	N	H	H1	DNM	DNA		
								Total Hm in CA														
AUTO 1-PH	XAJV80P	0,60	0,8	-	-	4,5	16	40	33	30	24	20	15	-	447	200	226	36	1"¼	1"	12	
	XAJV100P	0,75	1	-	-	5,3	16	47	40	35	30	25	20	5	477	200	226	36	1"¼	1"	12,5	
	XAJV120P	0,90	1,2	-	-	5,9	18	51	45	40	34	30	24	8	477	200	226	36	1"¼	1"	13,5	
MAN 1-PH	XJV80P	0,60	0,8	-	-	4,5	16	40	33	30	24	20	15	-	447	200	226	36	1"¼	1"	12	
	XJV100P	0,75	1	-	-	5,3	16	47	40	35	30	25	20	5	477	200	226	36	1"¼	1"	12,5	
	XJV120P	0,90	1,2	-	-	5,9	18	51	45	40	34	30	24	8	477	200	226	36	1"¼	1"	13,5	
MAN 3-PH	XJV80PT	0,60	0,8	2,2	1,5	-	-	40	33	30	24	20	15	-	447	200	226	36	1"¼	1"	12	
	XJV100PT	0,75	1	3	1,9	-	-	47	40	35	30	25	20	5	477	200	226	36	1"¼	1"	12,5	
	XJV120PT	0,90	1,2	3,6	2,3	-	-	51	45	40	34	30	24	8	477	200	226	36	1"¼	1"	13,5	

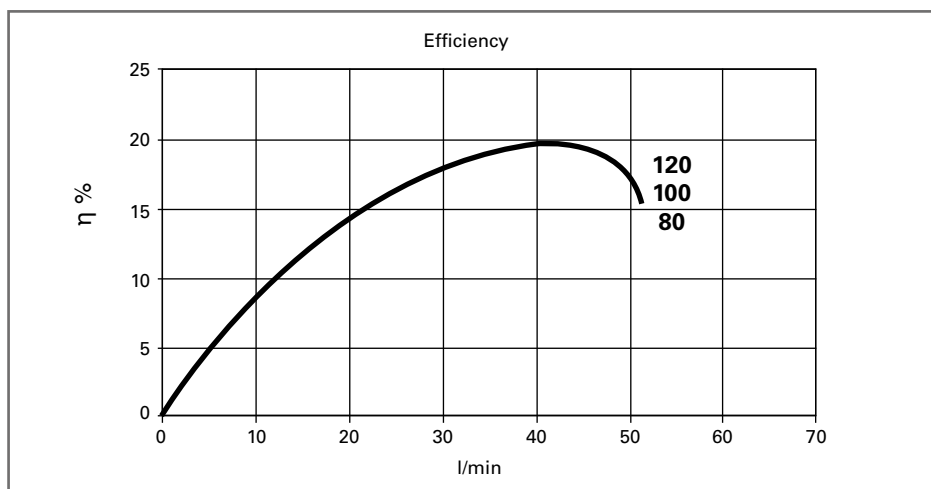
Curves and performance $\eta = 2900 \text{ 1/min}$



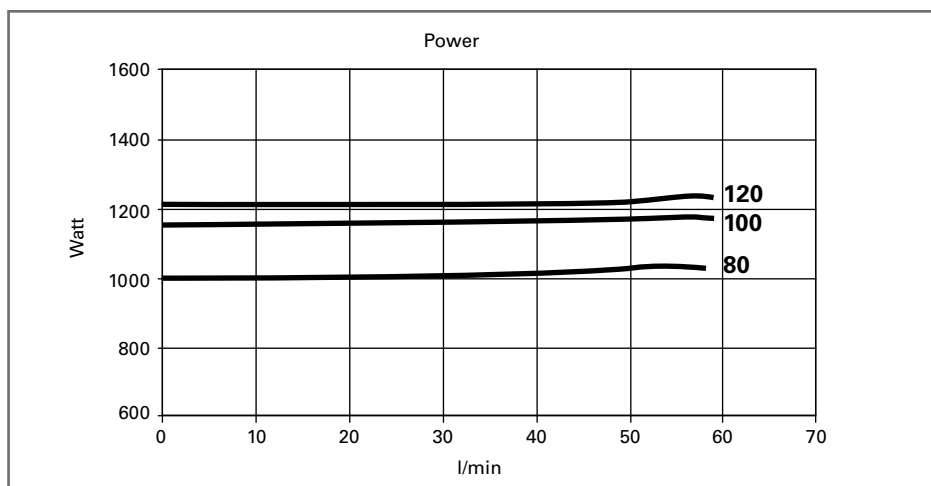
Technopolymer impeller



Motor body with delivery mouth



Technopolymer check valve assembled



Technopolymer motor support

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



Technopolymer check valve with flow control disc and spring in AISI 316 (standard equipment in automatic version)

Applications

- Domestic boosting
- Medium sprinkling and surface irrigations
- Tank drainage and transfers

Pumped liquid:

Clean water with no abrasive or suspended solids

Liquid temperature $+2^{\circ}\text{C} \div +40^{\circ}\text{C}$

Air temperature max $+45^{\circ}\text{C}$

Depth max 5 m

Calibrating pressure rate switch 1,5 bar

Description

Up/Down technology for submersed, surface or underground installation

Automatic system of water supply; dry-running protection

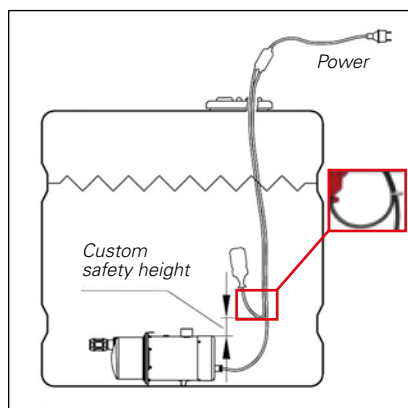
Antiblocking system every 72 hours of pump inactivity

Protection rating IP 68

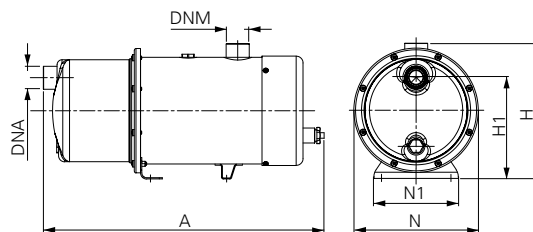
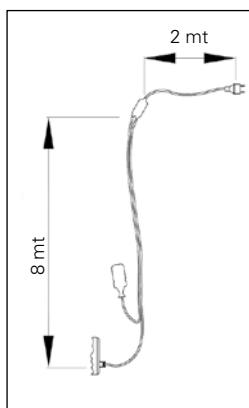
Materials

- Motor body and pump body: Stainless steel AISI 304
- Brass flange
- Shaft: Stainless steel AISI 420
- Diffuser, impeller and venturi Jet: Noryl
- Rear cap: Stainless steel AISI 304
- Basis: Stainless steel AISI 304
- Dumping feet: rubber
- Mechanical seal: Graphite ceramics
- Oil chamber on the mechanical seal
- A2 Stainless steel bolts
- NBR70 O-ring
- H07RN8-F Electric cable 10m length with Schuko plug
- Float switch with double insulation
- Tropicalized circuit board in compliance with the RoHS directive
- Class F insulated motors

Tank installation

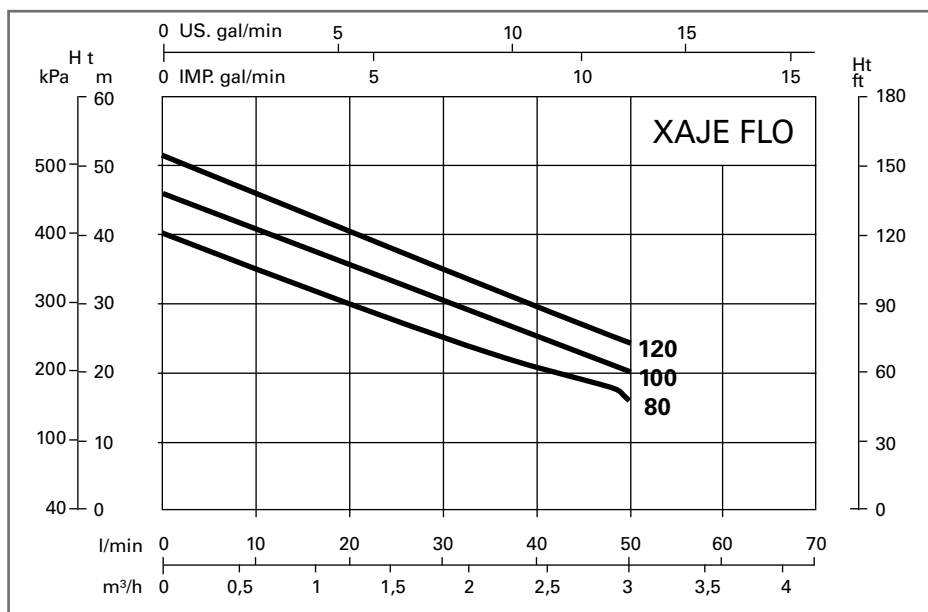


Power cable measures



	Code	P ₂ Nom.		1 ~ 50Hz Amp.	Cap μF	Q (lt/m) Flow							Dimensions mm							Wgt. kg
		kW	Hp			230 V	0	10	20	30	40	50	60	A	N	H	H1	N1	DNM	
				Total Hm in CA																
AUTO 1-PH	XAJE80FLO	0,60	0,8	4,5	16	40	33	30	24	20	15	-	447	200	226	163	136	1"¼	1"	14,5
	XAJE100FLO	0,75	1	5,3	16	47	40	35	30	25	20	5	477	200	226	163	136	1"¼	1"	15
	XAJE120FLO	0,90	1,2	5,9	18	51	45	40	34	30	24	8	477	200	226	163	136	1"¼	1"	16

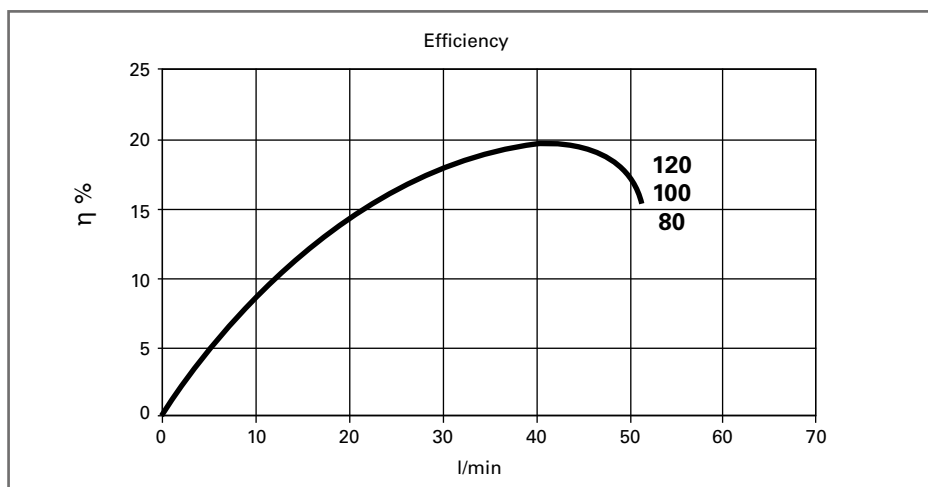
Curves and performance $\eta = 2900 \text{ 1/min}$



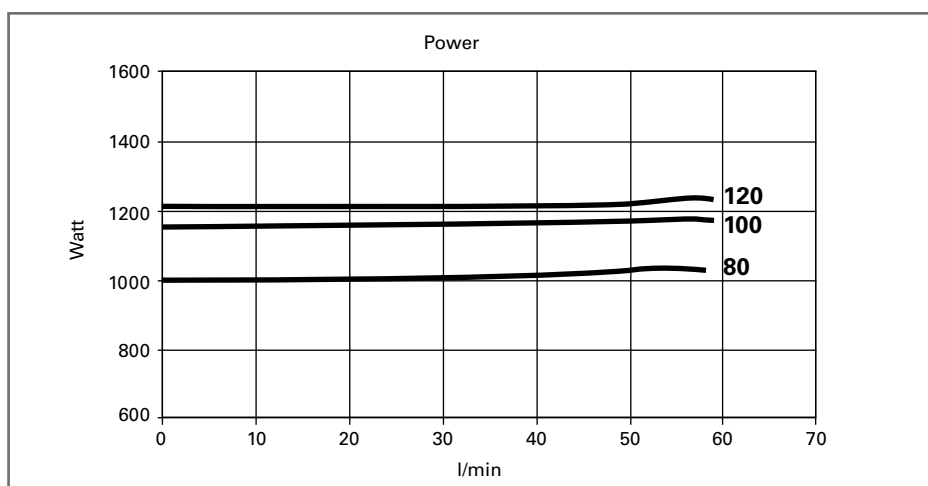
Technopolymer impeller



Front basis



Motor body with delivery mouth



Brass motor support

XAJE B FLO



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



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dry-running protection
Antiblocking system every 72 hours of pump inactivity
Protection rating IP 68

Applications

- Domestic boosting
- Medium sprinkling and surface irrigations
- Tank drainage and transfers

Pumped liquid:

Clean water with no abrasive or suspended solids

Liquid temperature $+2^{\circ}\text{C} \div +40^{\circ}\text{C}$

Air temperature max $+45^{\circ}\text{C}$

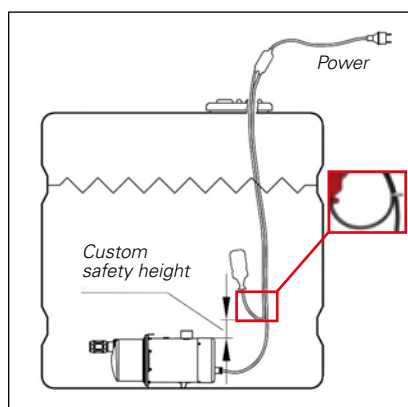
Depth max 5 m

Calibrating pressure rate switch 1,5 bar

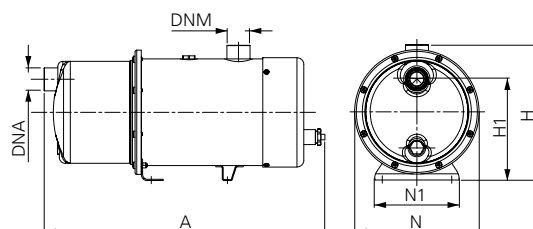
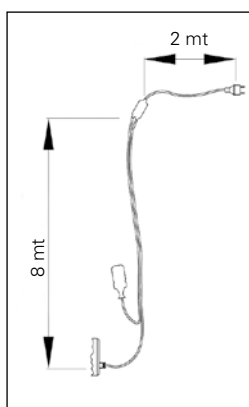
Materials

- Motor body and pump body: Stainless steel AISI 304
- Technopolymer flange
- Shaft: Stainless steel AISI 420
- Diffuser, impeller and venturi Jet: Noryl
- Rear cap: Polypropilene
- Basis: Stainless steel AISI 304
- Dumping feet: rubber
- Mechanical seal: Graphite ceramics
- Oil chamber on the mechanical seal
- A2 Stainless steel bolts
- NBR70 O-ring
- H07RN8-F Electric cable 10m length with Schuko plug
- Float switch with double insulation
- Tropicalized circuit board in compliance with the RoHS directive
- Class F insulated motors

Tank installation

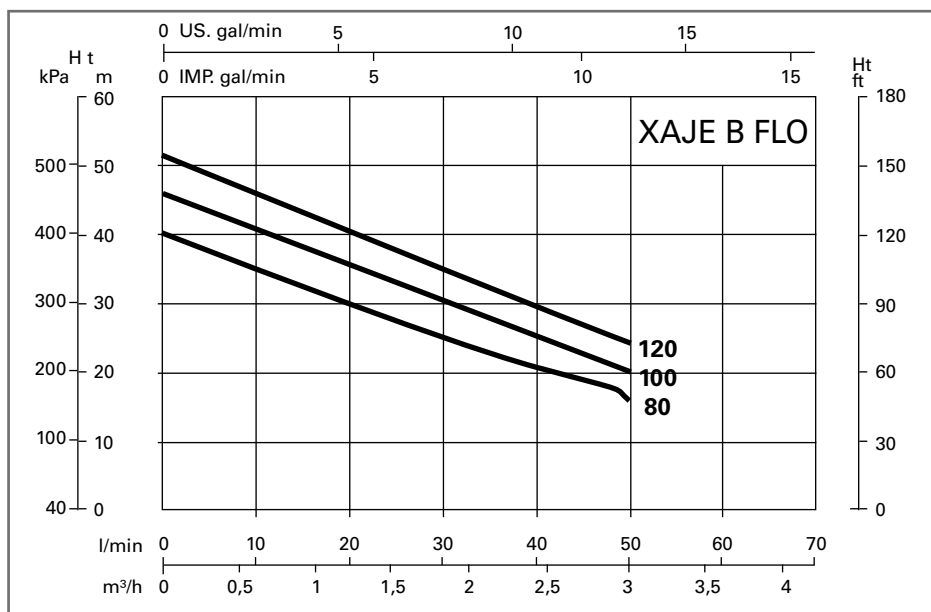


Power cable measures



	Code	P ₂ Nom.		1 ~ 50Hz Amp.	Cap μF	Q (lt/m) Flow							Dimensions mm							Wgt. kg
		0	10			20	30	40	50	60	A	N	H	H1	N1	DNM	DNA			
		kW	Hp	230 V		Total Hm in CA														
AUTO 1-PH	XAJE80BFLO	0,60	0,8	4,5	16	40	33	30	24	20	15	-	447	200	226	163	136	1"¼	1"	14,5
	XAJE100BFLO	0,75	1	5,3	16	47	40	35	30	25	20	5	477	200	226	163	136	1"¼	1"	15
	XAJE120BFLO	0,90	1,2	5,9	18	51	45	40	34	30	24	8	477	200	226	163	136	1"¼	1"	16

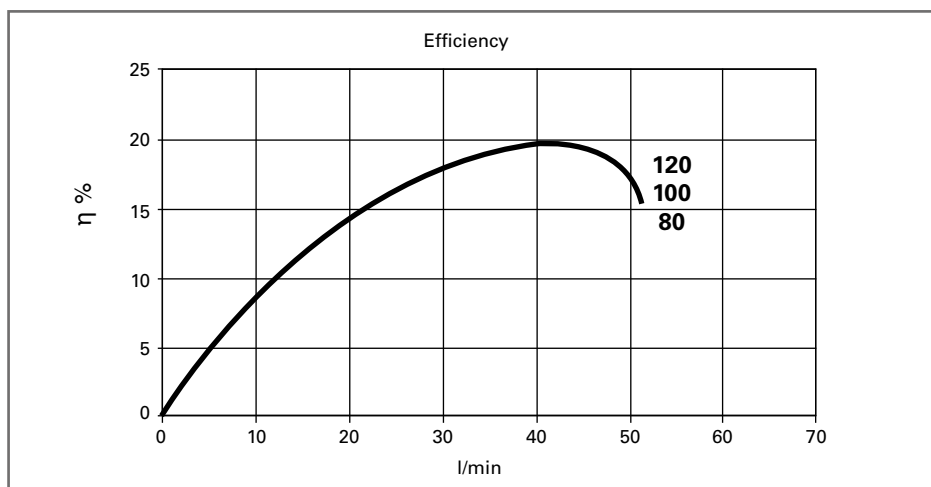
Curves and performance $n = 2900$ 1/min



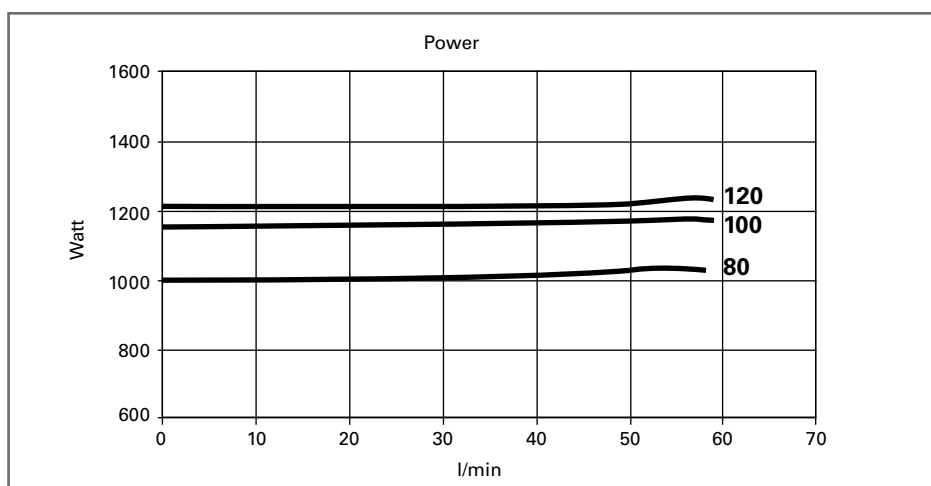
Technopolymer impeller



Float switch



Motor body with delivery mouth



Technopolymer motor support

XAJV P FLO



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



Technopolymer check valve with flow control disc and spring in AISI 316 assembled.

Description

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

Applications

- Domestic boosting
- Medium sprinkling and surface irrigations
- Tank drainage and transfers
- Industrial washing and cooling
- Systems for potable water treatment

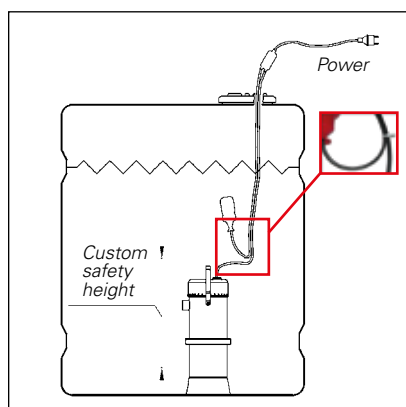
Pumped liquid:

Clean water with no abrasive or suspended solids
Liquid temperature $+2^{\circ}\text{C} \div +40^{\circ}\text{C}$
Air temperature max $+45^{\circ}\text{C}$
Depth max 5 m
Calibrating pressure rate switch 1,5 bar

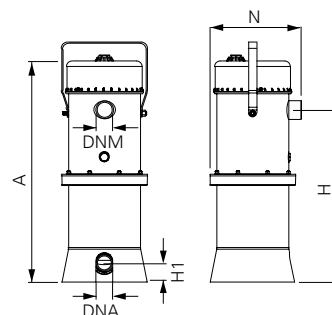
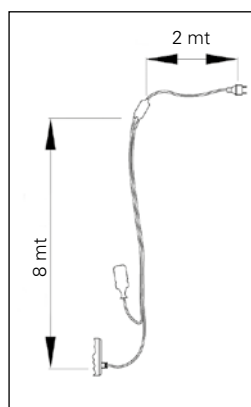
Materials

- Motor body: Stainless steel AISI 304
- Technopolymer flange and pump body
- Shaft: Stainless steel AISI 420
- Diffuser, impeller and venturi Jet: Noryl
- Rear cap: Polypropilene
- Basis: Stainless steel AISI 304
- Dumping feet: rubber
- Mechanical seal: Graphite ceramics
- Oil chamber on the mechanical seal
- A2 Stainless steel bolts
- NBR70 O-ring
- H07RN8-F Electric cable 10m length with Schuko plug
- Float switch with double insulation
- Tropicalized circuit board in compliance with the RoHS directive
- Class F insulated motors

Tank installation

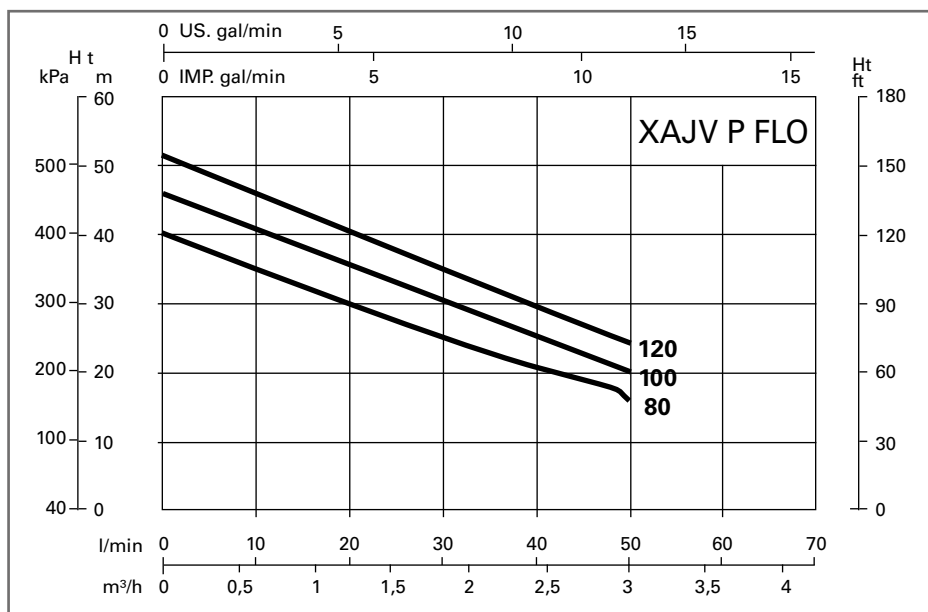


Power cable measures



Code	P ₂ Nom.		1 ~ 50Hz Amp.	Cap μF	Q (lt/m) Flow							Dimensions mm						Wgt. kg	
	kW	Hp	230 V		0	10	20	30	40	50	60	A	N	H	H1	DNM	DNA		
					Total Hm in CA														
AUTO 1-PH	XAJV80PFLO	0,60	0,8	4,5	16	40	33	30	24	20	15	-	447	200	226	36	1"¼	1"	12
	XAJV100PFLO	0,75	1	5,3	16	47	40	35	30	25	20	5	477	200	226	36	1"¼	1"	12,5
	XAJV120PFLO	0,90	1,2	5,9	18	51	45	40	34	30	24	8	477	200	226	36	1"¼	1"	13,5

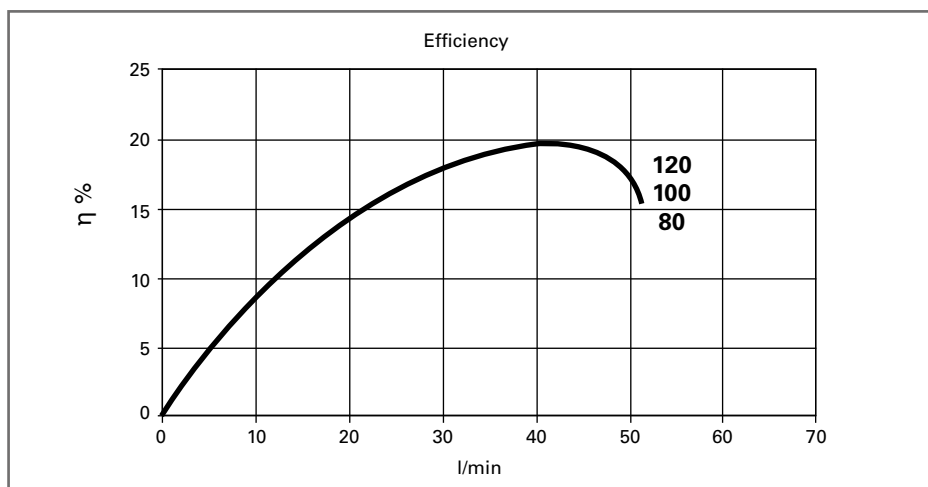
Curves and performance $\eta = 2900 \text{ 1/min}$



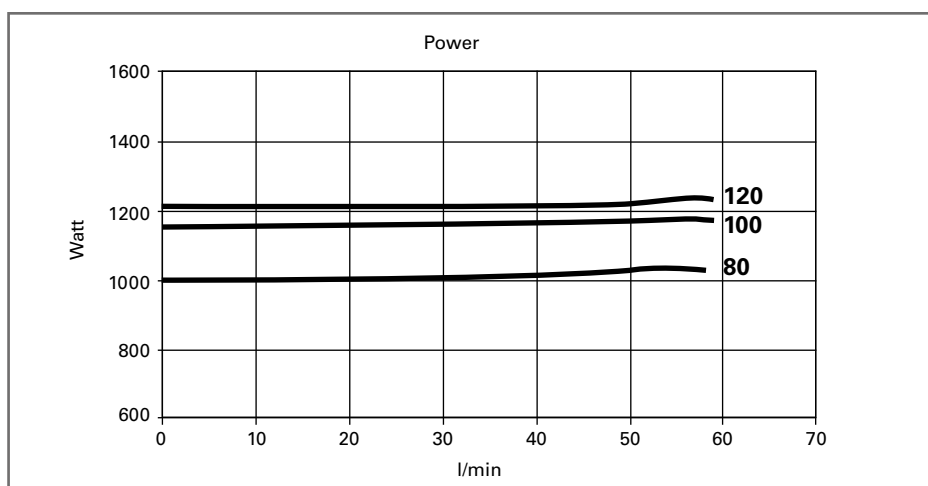
Technopolymer impeller



Float switch



Technopolymer check valve assembled



Technopolymer motor support

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



Technopolymer check valve with flow control disc and spring in AISI 316 (standard equipment in automatic version)

External capacitor box



Description

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 IP68

Applications

- Domestic boosting
- Medium sprinkling and surface irrigations
- Tank drainage and transfers

Pumped liquid:

Clean water with no abrasive or suspended solids

Liquid temperature $+2^{\circ}\text{C} \div +40^{\circ}\text{C}$

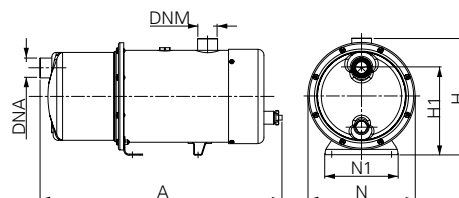
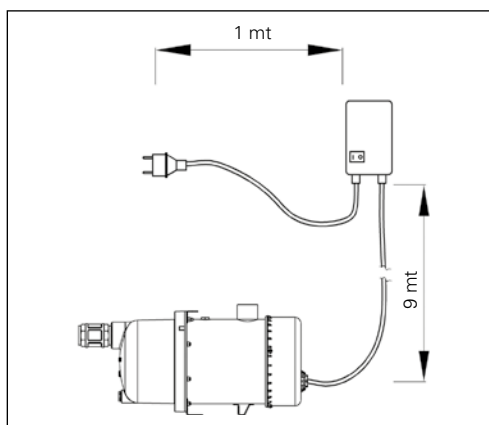
Air temperature max $+45^{\circ}\text{C}$

Depth max 5 m

Calibrating pressure rate switch 1,5 bar

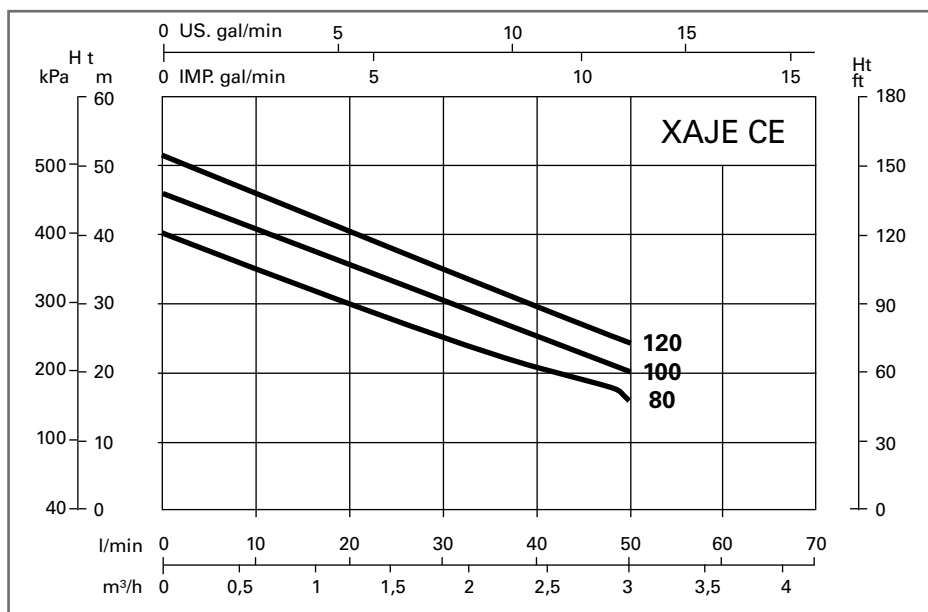
Materials

- Motor body and pump body: Stainless steel AISI 304
- Brass flange
- Shaft: Stainless steel AISI 420
- Diffuser, impeller and venturi Jet: Noryl
- Rear cap: Stainless steel AISI 304
- Basis: Stainless steel AISI 304
- Dumping feet: rubber
- Mechanical seal: Graphite ceramics
- Oil chamber on the mechanical seal
- A2 Stainless steel bolts
- NBR70 O-ring
- H07RN8-F Electric cable 9 m length pump/box
- H07RN8-F Electric cable 1 m length with Schuko plug
- Tropicalized circuit board in compliance with the RoHS directive
- External capacitor box: protection rating IP55
- Class F insulated motors



	Code	P2 Nom.		1 ~ 50Hz Amp.	Cap μF	Q (lit/m) Flow						Dimensions mm							Wgt. kg		
		kW	Hp			230 V	0	10	20	30	40	50	60	A	N	H	H1	N1		DNM	DNA
Total Hm in CA																					
AUTO 1-PH	XAJE80CE	0,60	0,8	4,5	16	40	33	30	24	20	15	-	447	200	226	163	136	1"¼	1"	14,5	
	XAJE100CE	0,75	1	5,3	16	47	40	35	30	25	20	5	477	200	226	163	136	1"¼	1"	15	
	XAJE120CE	0,90	1,2	5,9	18	51	45	40	34	30	24	8	477	200	226	163	136	1"¼	1"	16	

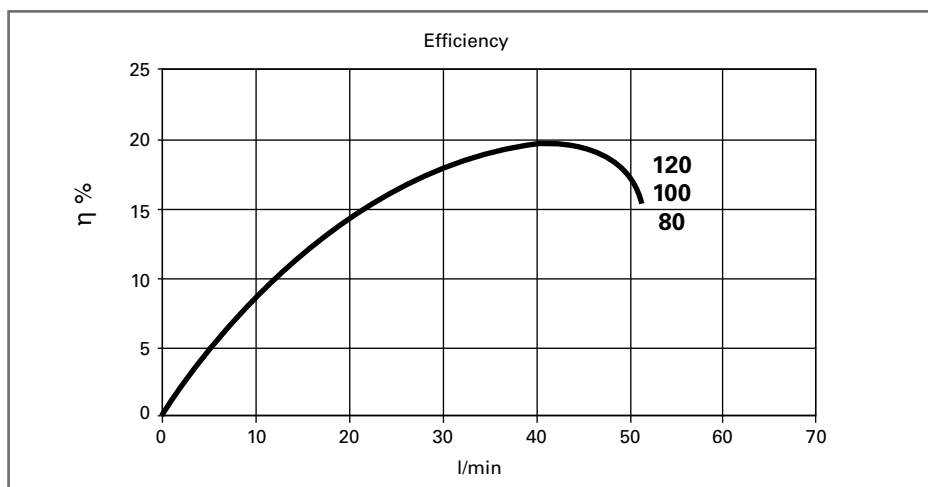
Curves and performance $\eta = 2900 \text{ 1/min}$



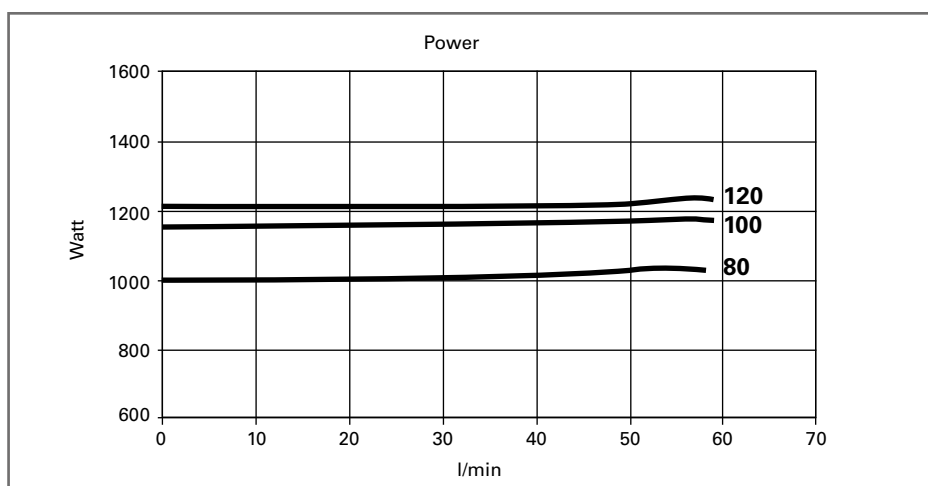
Technopolymer impeller



Front basis



Capacitor box



Brass motor support

XAJE B CE



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



Technopolymer check valve with flow control disc and spring in AISI 316 (standard equipment in automatic version)

External capacitor box



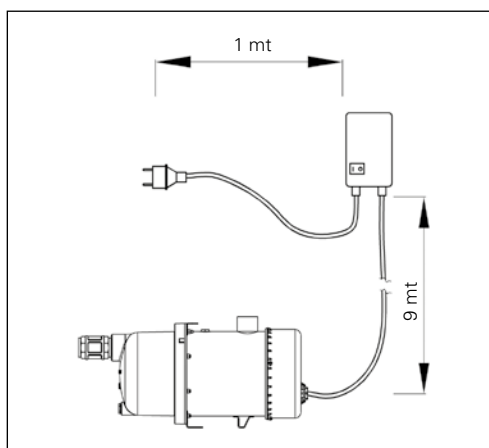
Description

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 IP68

Applications

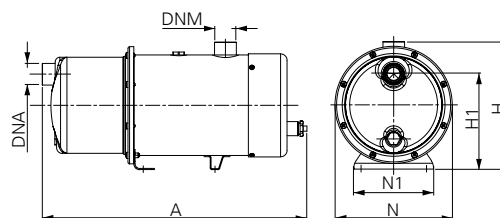
- Domestic boosting
- Medium sprinkling and surface irrigations
- Tank drainage and transfers

Pumped liquid:
Clean water with no abrasive or suspended solids
Liquid temperature $+2^{\circ}\text{C} \div +40^{\circ}\text{C}$
Air temperature max $+45^{\circ}\text{C}$
Depth max 5 m
Calibrating pressure rate switch 1,5 bar



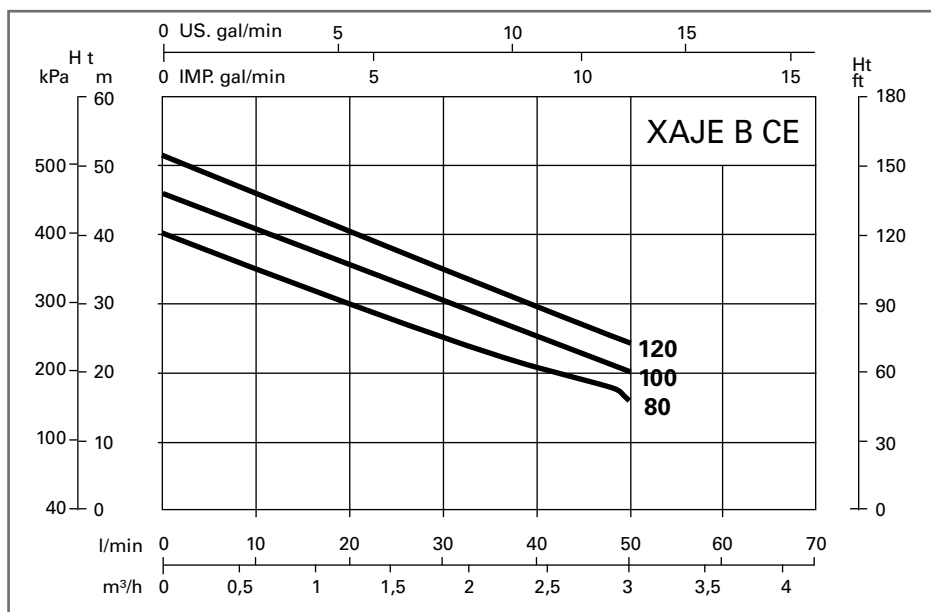
Materials

- Motor body and pump body: Stainless steel AISI 304
- Technopolymer flange
- Shaft: Stainless steel AISI 420
- Diffuser, impeller and venturi Jet: Noryl
- Rear cap: Polypropylene
- Basis: Stainless steel AISI 304
- Dumping feet: rubber
- Mechanical seal: Graphite ceramics
- Oil chamber on the mechanical seal
- A2 Stainless steel bolts
- NBR70 O-ring
- H07RN8-F Electric cable 9 m length pump/box
- H07RN8-F Electric cable 1 m length with Schuko plug
- Tropicalized circuit board in compliance with the RoHS directive
- External capacitor box: protection rating IP55
- Class F insulated motors



	Code	P ₂ Nom.		1 ~ 50Hz Amp.	Cap μ F	Q (lt/m) Flow							Dimensions mm							Wgt. kg	
		kW	Hp			230 V	0	10	20	30	40	50	60	A	N	H	H1	N1	DNM		DNA
	Total Hm in CA																				
AUTO 1-PH	XAJE80BCE	0,60	0,8	4,5	16	40	33	30	24	20	15	-	447	200	226	163	136	1"¼	1"	11,5	
	XAJE100BCE	0,75	1	5,3	16	47	40	35	30	25	20	5	477	200	226	163	136	1"¼	1"	12	
	XAJE120BCE	0,90	1,2	5,9	18	51	45	40	34	30	24	8	477	200	226	163	136	1"¼	1"	13	

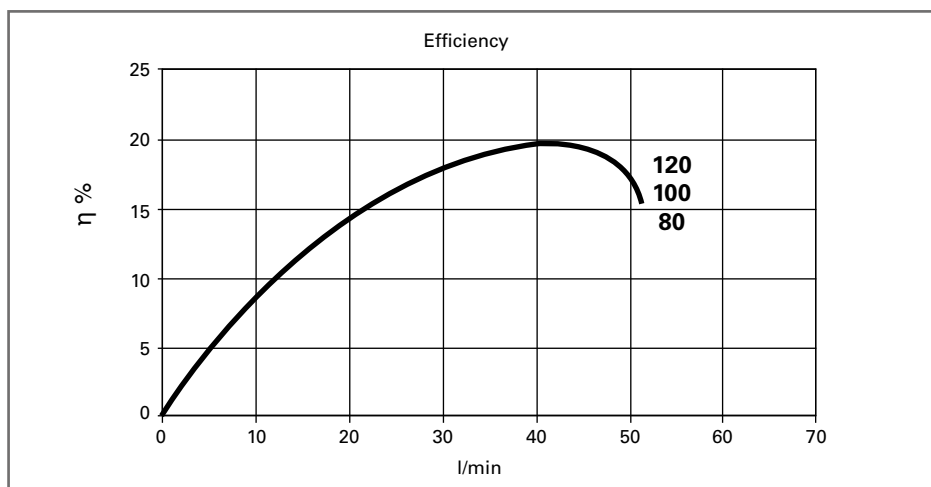
Curves and performance $\eta = 2900 \text{ 1/min}$



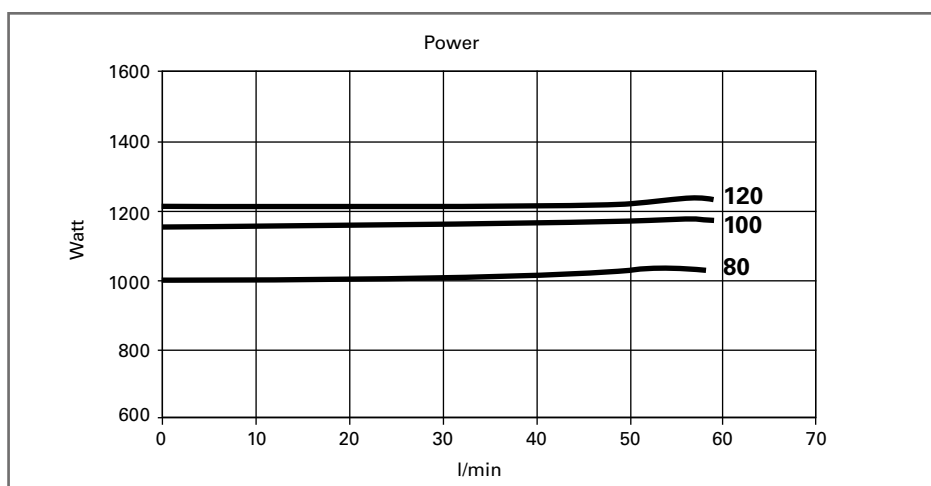
Technopolymer impeller



Capacitor box



Motor body with delivery mouth



Technopolymer motor support

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



Technopolymer check valve with flow control disc and spring in AISI 316
(standard equipment in automatic version)
External capacitor box



External capacitor box

Applications

- Domestic boosting
- Medium sprinkling and surface irrigations
- Tank drainage and transfers

Pumped liquid:

Clean water with no abrasive or suspended solids

Liquid temperature $+2^{\circ}\text{C} \div +40^{\circ}\text{C}$

Air temperature max $+45^{\circ}\text{C}$

Depth max 5 m

Calibrating pressure rate switch 1,5 bar

Description

Up/Down technology for submersed, surface or underground installation

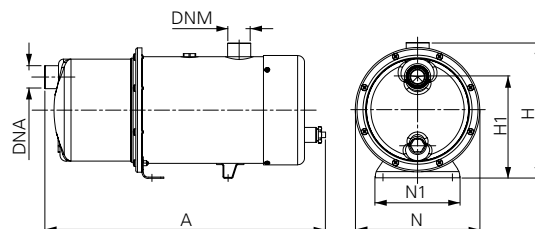
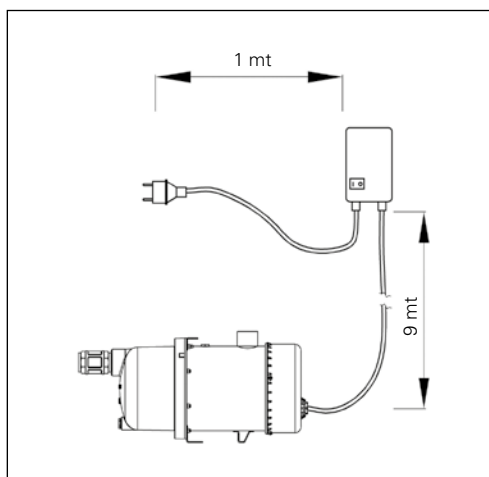
Automatic system of water supply; dry-running protection

Antiblocking system every 72 hours of pump inactivity

Protection rating IP68

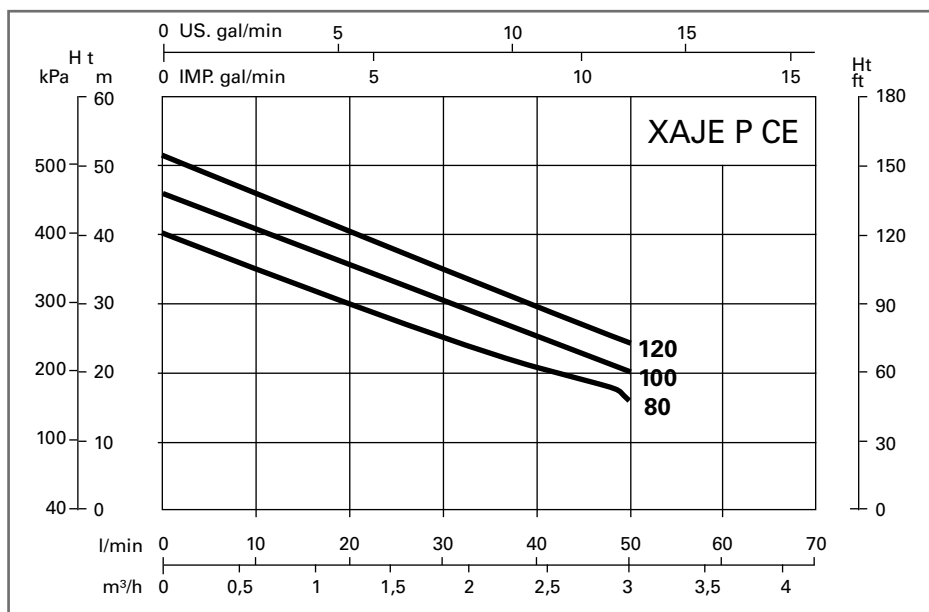
Materiali

- Motor body: Stainless steel AISI 304
- Technopolymer flange and pump body
- Shaft: Stainless steel AISI 420
- Diffuser, impeller and venturi Jet: Noryl
- Rear cap: Polypropilene
- Basis: Stainless steel AISI 304
- Dumping feet: rubber
- Mechanical seal: Graphite ceramics
- Oil chamber on the mechanical seal
- A2 Stainless steel bolts
- NBR70 O-ring
- H07RN8-F Electric cable 9 m length pump/box
- H07RN8-F Electric cable 1 m length with Schuko plug
- Tropicalized circuit board in compliance with the RoHS directive
- External capacitor box: protection rating IP55
- Class F insulated motors



	Code	P2 Nom.		1 ~ 50Hz Amp.	Cap μF	Q (lt/m) Flow							Dimensionis mm							Wgt. kg
		0	10			20	30	40	50	60	A	N	H	H1	N1	DNM	DNA			
				kW														Hp	230 V	
	AUTO 1-PH	XAJE80PCE	0,60	0,8	4,5	16	40	33	30	24	20	15	-	447	200	226	163	136	1"¼	1"
XAJE100PCE		0,75	1	5,3	16	47	40	35	30	25	20	5	477	200	226	163	136	1"¼	1"	12
XAJE120PCE		0,90	1,2	5,9	18	51	45	40	34	30	24	8	477	200	226	163	136	1"¼	1"	13

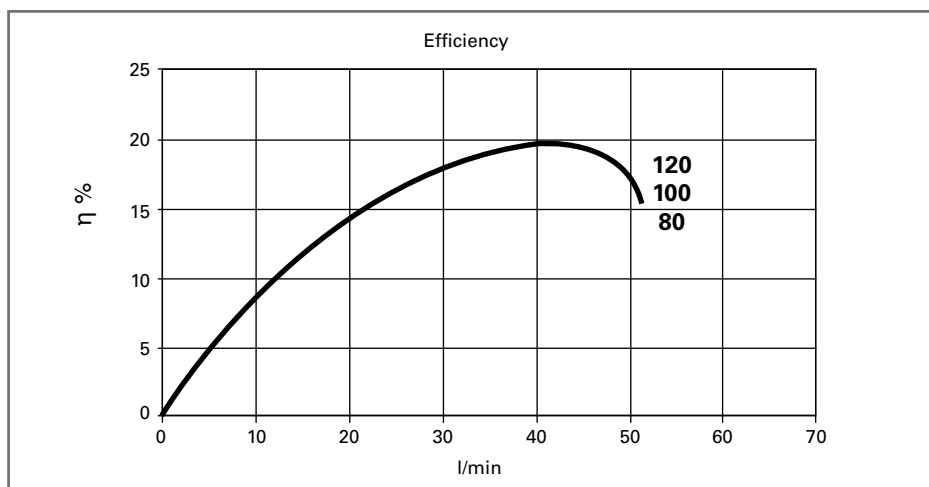
Curves and performance $\eta = 2900 \text{ 1/min}$



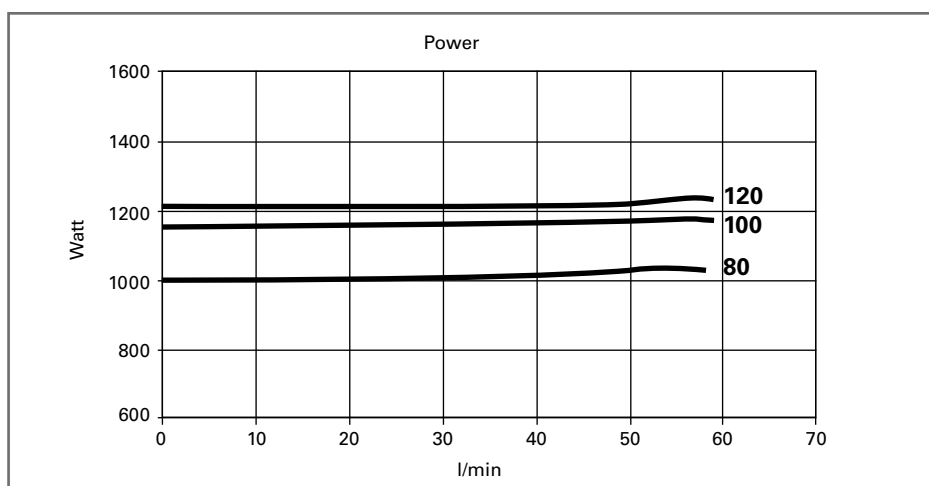
Technopolymer impeller



Cable fixing handle



Motor body with delivery mouth



Technopolymer motor support

XAJV P CE



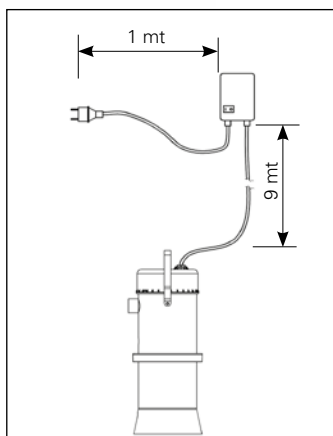
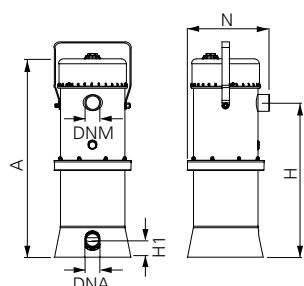
Self-priming Jet centrifugal pump with electronic system and external capacitor



External capacitor box



Technopolymer check valve with flow control disc and spring in AISI 316 assembled.



Description

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 IP68

Applications

- Domestic boosting
- Medium sprinkling and surface irrigations
- Tank drainage and transfers
- Industrial washing and cooling
- Systems for potable water treatment

Pumped liquid:

Clean water with no abrasive or suspended solids

Liquid temperature $+2^{\circ}\text{C} \div +40^{\circ}\text{C}$

Air temperature max $+45^{\circ}\text{C}$

Depth max 5 m

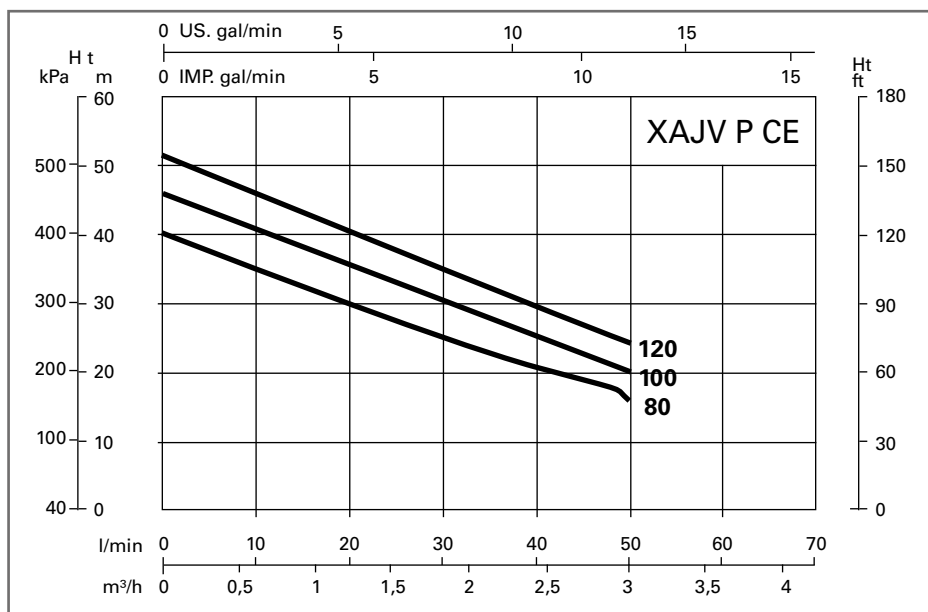
Calibrating pressure rate switch 1,5 bar

Materials

- Motor body: Stainless steel AISI 304
- Technopolymer flange and pump body
- Shaft: Stainless steel AISI 420
- Diffuser, impeller and venturi Jet: Noryl
- Rear cap: Polypropylene
- Basis: Stainless steel AISI 304
- Dumping feet: rubber
- Mechanical seal: Graphite ceramics
- Oil chamber on the mechanical seal
- A2 Stainless steel bolts
- NBR70 O-ring
- H07RN8-F Electric cable 9 m length pump/box
- H07RN8-F Electric cable 1 m length with Schuko plug
- Tropicalized circuit board in compliance with the RoHS directive
- External capacitor box: protection rating IP55
- Class F insulated motors

AUTO 1-PH	Code	P2 Nom.		1 ~ 50Hz Amp.	Cap μF	Q (lt/m) Flow							Dimensions mm						Wgt. kg
		0	10			20	30	40	50	60	A	N	H	H1	DNM	DNA			
	Total Hm in CA																		
	XAJV80PCE	0,60	0,8	4,5	16	40	33	30	24	20	15	-	447	200	226	36	1"¼	1"	12
	XAJV100PCE	0,75	1	5,3	16	47	40	35	30	25	20	5	477	200	226	36	1"¼	1"	12,5
	XAJV120PCE	0,90	1,2	5,9	18	51	45	40	34	30	24	8	477	200	226	36	1"¼	1"	13,5

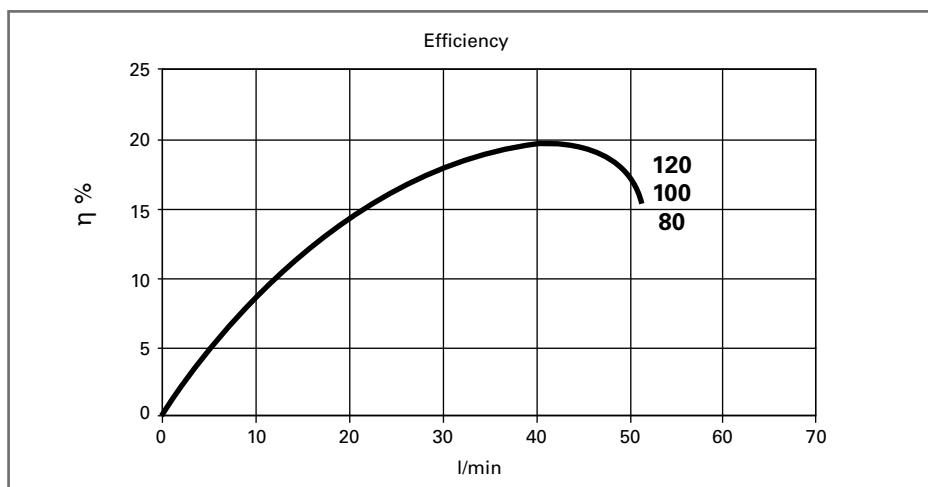
Curves and performance $\eta = 2900 \text{ 1/min}$



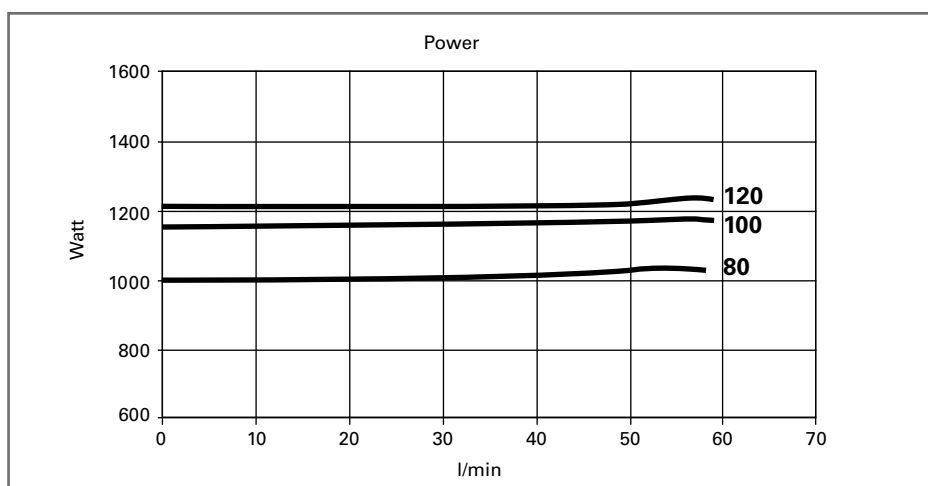
Technopolymer impeller



Capacitor box



Technopolymer check valve assembled



Technopolymer motor support