# **JETINOX**

### SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS



### **TECHNICAL DATA**

#### Operating range:

from 0.4 to 10.5 m<sup>3</sup>/h with head up to 62 metres.

**Liquid quality requirements:** clean, free from solid or abrasive contaminants, non-viscous, non-aggressive, uncrystallised and chemically neutral.

#### Liquid temperature range:

for domestic use: from  $0^{\circ}$ C to  $+35^{\circ}$ C (EN 60335-2-41)

for other use: from 0°C to +40°C **Maximum suction depth:** 8 metres. **Maximum ambient temperature:** +50°C **Maximum operating pressure:** 8 bar (800 kPa) **Installation:** fixed in a horizontal position.

**Special executions on request:** alternative voltages and/or frequencies.

**Motor protection rating:** IP 44

**Terminal block protection rating:** IP 55

**Insulation class:** F

Standard input voltage: single phase 220-240 V / 50 Hz

three phase 230-400 V / 50 Hz

#### **APPLICATIONS**

Self priming centrifugal pump with excellent suction capacity even in the presence of air bubbles.

Suitable for pumping water with low levels of sandy impurities.

Especially used in domestic water supply installations.

Suitable for small farms and gardening, small scale industrial services and where self priming is necessary.

#### **CONSTRUCTIONAL FEATURES OF THE PUMP**

Pump body, seal holder cover and wear ring in stainless steel.

Motor support in die cast aluminium.

Impeller, diffuser, venturi tube in technopolymer.

Carbon/ceramic mechanical seal.

### **CONSTRUCTIONAL FEATURES OF THE MOTOR**

Asynchronous type, closed, with external air cooling.

Rotor mounted on oversized greased-for-life ball bearings, to guarantee low noise and long life.

 $Incorporated\ thermo-amperometric\ protection\ and\ permanently\ inserted\ capacitor\ in\ the\ single\ phase\ version.$ 

It is recommended to use overload protection for three phase motor protection, in compliance with current legislation.

Manufacture pursuant to CEI 2-3 and CEI 61-69 (EN 60335-2-41) standard.

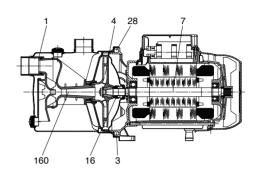


# **JETINOX**

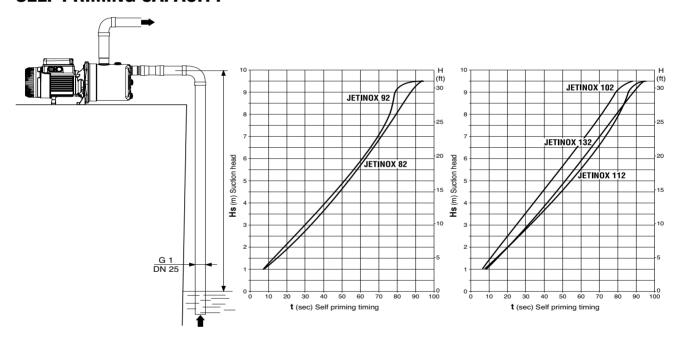
# **SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS**

# **MATERIALS**

N°	PARTS *	MATERIALS
1	PUMP BODY	AISI 304 STAINLESS STEEL X5 CRNi 1810 - UNI 6900/71
4	IMPELLER	TECHNOPOLYMER A
7	SHAFT WITH ROTOR	AISI 416 STAINLESS STEEL X12 CrS13 - UNI 6900/71
16	MECHANICAL SEAL	CARBON/CERAMIC
28	OR GASKET	NBR RUBBER
36	SEAL HOLDER COVER	AISI 304 STAINLESS STEEL X5 CRNi 1810 - UNI 6900/71
160	VENTURI DIFFUSER NOZZEL GROUP	TECHNOPOLYMER A



# **SELF PRIMING CAPACITY**



<sup>\*</sup> In contact with liquid

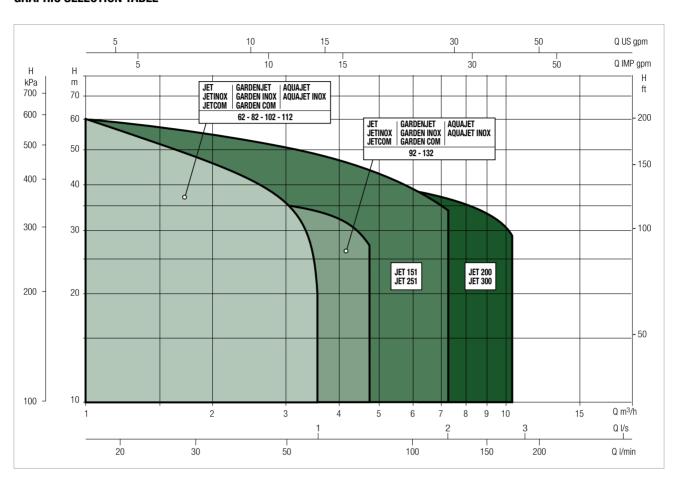


## **SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS**

### **PERFORMANCE RANGE**

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Curve tolerance according to ISO 9906.

### **GRAPHIC SELECTION TABLE**



# **JETINOX SELECTION TABLE**

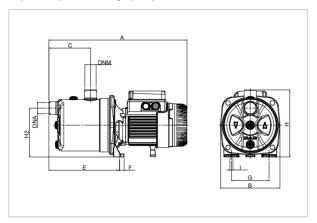
MODEL	Q=m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8				
MODEL	Q=I/min	0	10	20	30	40	50	60	70	80				
JETINOX 82 M		47	40	34	30	26.2	23.5	20.3						
JETINOX 82 T		47	40	34	30	26.2	23.5	20.3						
JETINOX 102 M		53.8	47	41	36.3	32.4	28.8	25.8						
JETINOX 102 T	H (m)	53.8	47	41	36.3	32.4	28.8	25.8						
JETINOX 112 M			61	54	47.8	42.8	38.8	34.8	20					
JETINOX 112 T				_	_		61	54	47.8	42.8	38.8	34.8	20	
JETINOX 92 M		36.2	33.5	31	28.4	26	24	21.8	19.6	17.5				
JETINOX 132 M		48.3	45.6	42.8	40	37.6	35	32.5	30	27.2				
JETINOX 132 T		48.3	45.6	42.8	40	37.6	35	32.5	30	27.2				

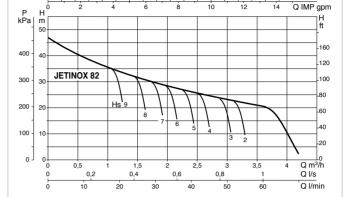


Q US gpm

### JETINOX 82 - SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS FOR DOMESTIC WATER SUPPLY

Liquid temperature range pumped: from 0 °C to +35 °C - Maximum ambient temperature: +50°C





The performance curves are based on the kinematic viscosity values =

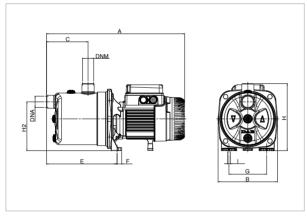
1	mm2/s and density	equivalent to	1000 kg/m3.	Curve tolerance	according to ISO 9906.

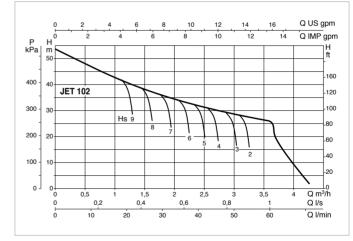
				ELECTRICAL DATA			
MODEL	POWER SUPPLY	P1	P2 N0	MINAL	In	CAPA	CITOR
	50 Hz	MAX kW	kW	HP	A	μF	Vc
JETINOX 82 M	1x220-240 V ~	0.85	0.6	0.8	3.8	12.5	450
JETINOX 82 T	3x230-400 V ~	0.86	0.6	0.8	2.8-1.6	-	-

MODEL	۸	D	C	Е	Е	C	ш	U4	H2	ΙØ		DNA	DNM	PACK DIMENSIONS		IONS	VOLUME	GROSS WEIGHT
MODEL	A	D	, t	_	Г	u	п	пі	П2	שו	_	GAS	GAS	L/A	L/B	Н	(mc)	Kg
JETINOX 82	406	174	122	207	14	111	197	-	144	9	-	1"	1"	470	240	240	0.027	7.8

### JETINOX 102 - SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS FOR DOMESTIC WATER SUPPLY

Liquid temperature range pumped: from 0  $^{\circ}$ C to +35  $^{\circ}$ C - Maximum ambient temperature: +50 $^{\circ}$ C





The performance curves are based on the kinematic viscosity values = 1 mm $^2$ /s and density equivalent to 1000 kg/m $^3$ . Curve tolerance according to ISO 9906.

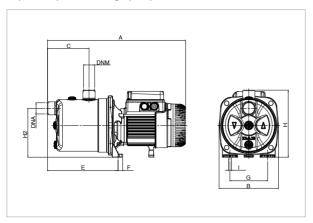
				ELECTRICAL DATA				
MODEL	POWER SUPPLY	P1	P2 N0	MINAL	In	CAPACITOR		
	50 Hz	MAX kW	kW	HP	A	μF	Vc	
JETINOX 102 M	1x220-240 V ~	1.13	0.75	1	5.1	16	450	
JETINOX 102 T	3x230-400 V ~	1.04	0.75	1	3.3-1.9	-	-	

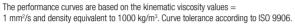
MODEL	٨	D	C	Е	Е	G	ш	H1	H2	ΙØ		DNA	DNM	PAC	PACK DIMENSIONS		VOLUME	GROSS WEIGHT
MODEL	A	ט		_	F	u	"	""	112	עו	_	GAS	GAS	L/A	L/B	Н	(mc)	Kg
JETINOX 102	424	174	122	207	14	111	197	_	144	9	_	1"	1"	470	240	240	0.027	9.6

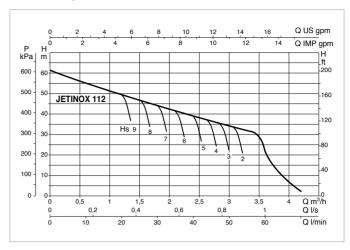


### JETINOX 112 - SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS FOR DOMESTIC WATER SUPPLY

Liquid temperature range pumped: from 0  $^{\circ}$ C to +35  $^{\circ}$ C - Maximum ambient temperature: +50 $^{\circ}$ C





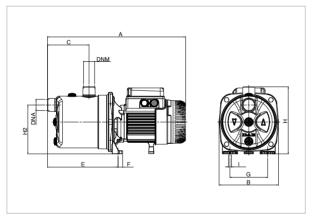


				ELECTRICAL DATA					
MODEL	POWER SUPPLY	P1	P2 N0	MINAL	In	CAPACITOR			
	50 Hz	MAX kW	kW	HP	A	μF	Vc		
JETINOX 112 M	1x220-240 V ~	1.4	1	1.36	6.2	25	450		
JETINOX 112 T	3x230-400 V ~	1.35	1	1.36	4.3-2.5	-	-		

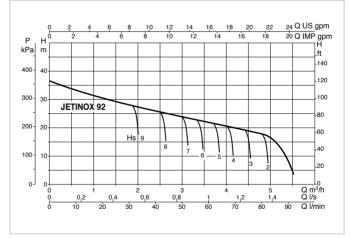
MODEL	٨	D	r	Е	С	C	ш	H1	H2	ΙØ		DNA	DNM	PACI	PACK DIMENSIO		VOLUME	GROSS WEIGHT
WIODEL	A	D	0	_	Г	u	п	п	П	שו	_	GAS	GAS	L/A	L/B	Н	(mc)	Kg
JETINOX 112 M	424	174	122	207	14	111	197	-	144	9	-	1"	1"	470	240	240	0.027	10.6
JETINOX 112 T	440	174	122	207	14	111	197	-	144	9	-	1"	1"	470	240	240	0.027	11.7

### JETINOX 92 - SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS FOR DOMESTIC WATER SUPPLY

Liquid temperature range pumped: from 0 °C to +35 °C - Maximum ambient temperature: +50°C



The performance curves are based on the kinematic viscosity values = 1 mm $^2$ /s and density equivalent to 1000 kg/m $^3$ . Curve tolerance according to ISO 9906.



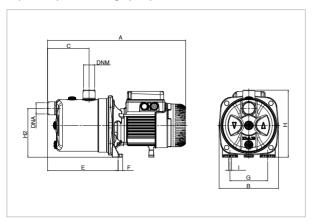
				ELECTRICAL DATA			
MODEL	POWER SUPPLY	P1	P2 N0	MINAL	In	CAPA	CITOR
	50 Hz	MAX kW	kW	HP	A	μF	Vc
JETINOX 92 M	1x220-240 V ~	0.94	0.75	1	4.2	14	450

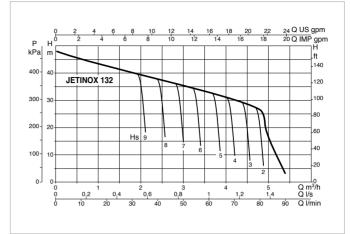
MODEL		В	0	F	F	•		114	110	ıa		DNA	DNM	PACI	K DIMENS	IONS	VOLUME	GROSS
MODEL	А	В	l l	E	Г	ե	п	H1	H2	ΙØ	L	GAS	GAS	L/A	L/B	Н	(mc)	WEIGHT Kg
JETINOX 92	406	174	122	207	14	111	197	-	144	9	-	1"	1"	470	240	240	0.027	8.8



# **JETINOX 132 -** SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS FOR DOMESTIC WATER SUPPLY

Liquid temperature range pumped: from 0 °C to +35 °C - Maximum ambient temperature: +50°C





The performance curves are based on the kinematic viscosity values = 1 mm $^2$ /s and density equivalent to 1000 kg/m $^3$ . Curve tolerance according to ISO 9906.

				ELECTRICAL DATA			
MODEL	POWER SUPPLY	P1	P2 N0	MINAL	In	CAPA	CITOR
	50 Hz	MAX kW	kW	HP	A	μF	Vc
JETINOX 132 M	1x220-240 V ~	1.49	1	1.36	6.6	25	450
JETINOX 132 T	3x230-400 V ~	1.43	1	1.36	4.7-2.7	-	-

MODEL	A	В	С	E	F	G	Н	H1	H2	ΙØ	L	DNA GAS	DNM GAS	PACK DIMENSIONS			VOLUME	GROSS WEIGHT
														L/A	L/B	Н	(mc)	Kg
JETINOX 132 M	424	174	122	207	14	111	197	-	144	9	-	1"	1"	470	240	240	0.027	10.6
JETINOX 132 T	440	174	122	207	14	111	197	-	144	9	-	1"	1"	470	240	240	0.027	12.6

