

EUROINOX

Self-priming



GENERAL DATA

Applications

Self-priming multistage horizontal centrifugal pump, featuring extremely silent running suitable for domestic use for water supply and pressurization, irrigation of gardens and vegetable gardens, and for moving water in general.

Construction features of pump:

Pump body in stainless steel AISI 304. Motor support in die-cast aluminium, seal holder in AISI 304 steel. Mechanical seal in carbon/ceramic. Rotor shaft in AISI 304 steel. Impellers, diffuser bodies and diffusers in technopolymer. Wear rings in stainless steel.

Construction features of motor

Continuous service asynchronous motor.

Incorporated thermal current protection and capacitor permanently in circuit in the single-phase version.

The user must provide overload protection for the three-phase version.

Protection level of motor: IP 44

Protection level of terminal board: IP 55

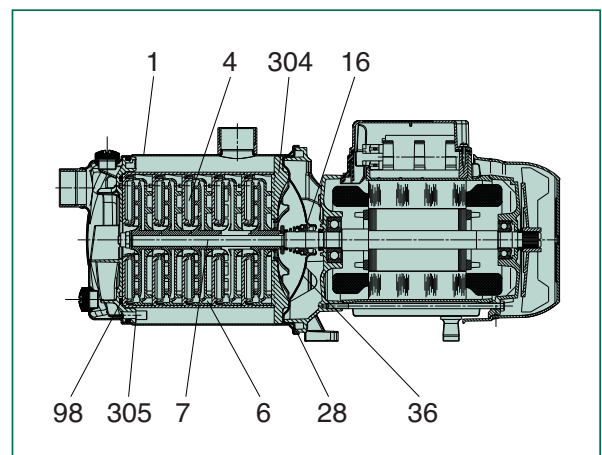
Insulation class: F

Standard voltage: Single-phase 220/240V - 50 Hz - 2 poles

Three-phase 230/400V - 50 Hz - 2 poles

TECHNICAL DATA

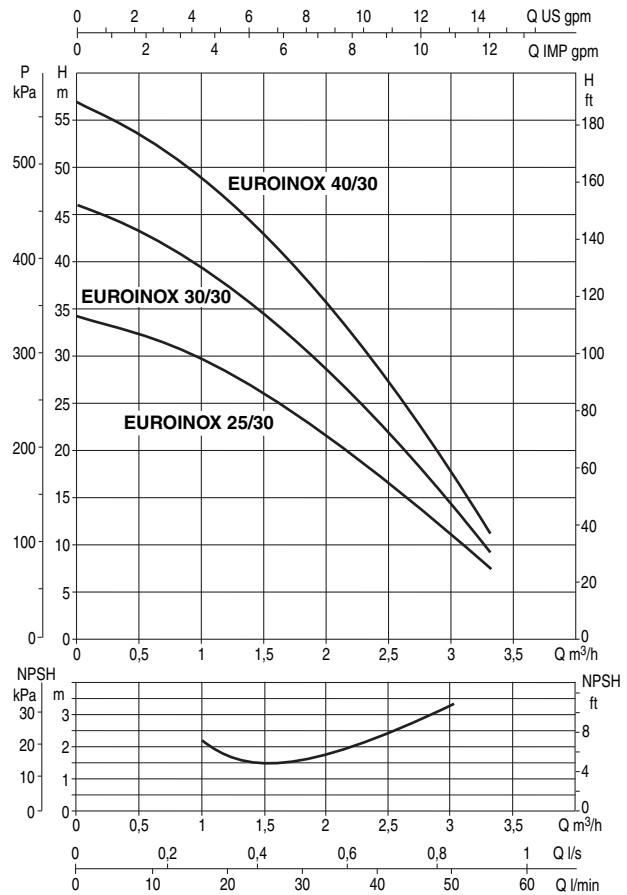
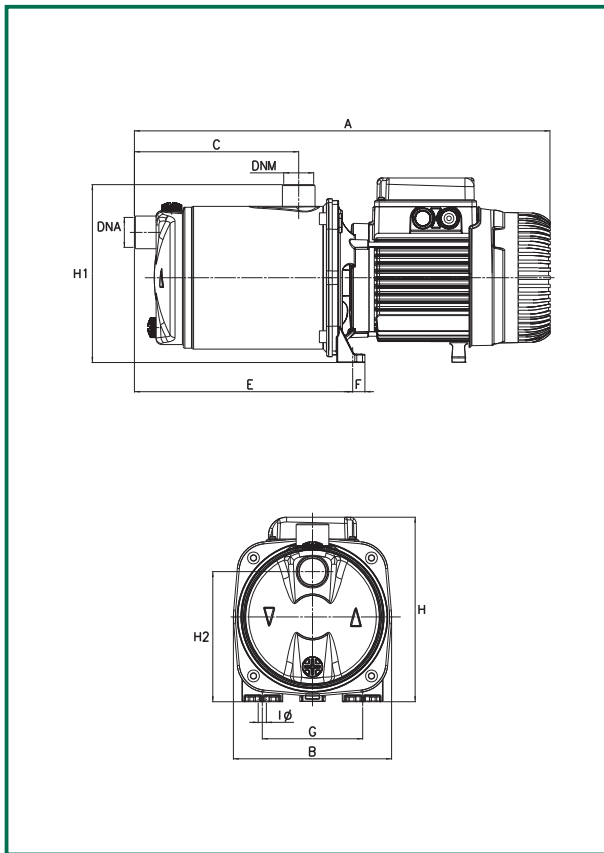
N.	PARTS	MATERIALS
1	PUMP BODY	AISI 304 X5CRNI 1810 UNI 6900/71 STAINLESS STEEL
4	IMPELLER	TECHNOPOLYMER
6	DIFFUSER	TECHNOPOLYMER
7	SHAFT WITH ROTOR	AISI 304 X5CRNI 1810 UNI 6900/71 STAINLESS STEEL
16	MECHANICAL SEAL	CARBON/CERAMIC
28	GASKET OR	NBR
36	SEAL HOLDER COVER	AISI 304 X5CRNI 1810 UNI 6900/71 STAINLESS STEEL
98	DIFFUSER BODY	TECHNOPOLYMER
304	REAR DISK	TECHNOPOLYMER
305	FRONT DISK	TECHNOPOLYMER



- Operating range: from 10 to 120 l/min. with a head of up to 72 m.
- Pumped liquid characteristics: clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallised, chemically neutral and close to the characteristics of water.
- Liquid temperature range: from 0°C to +35°C for domestic use (EN 60335-2-41)
from 0°C to +40°C for other uses.
- Maximum ambient temperature: +40°C
- Maximum operating pressure: 8 bar (800 kPa)
- Installation: fixed or portable in a horizontal position

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 Kg/m³. Curve tolerance according to ISO 9906.
 Liquid temperature range: from 0 °C to +35°C Maximum ambient temperature: +40°C

EUROINOX 30

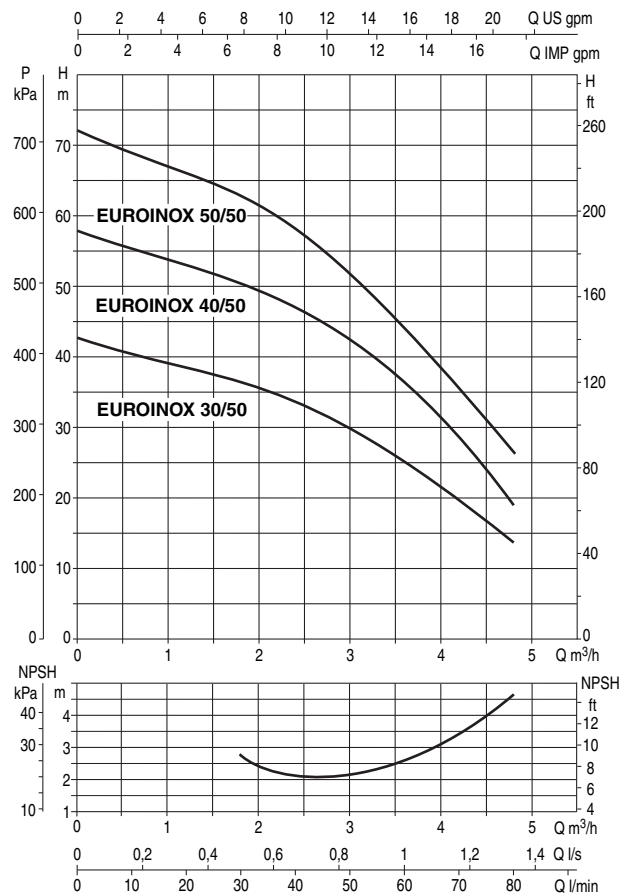
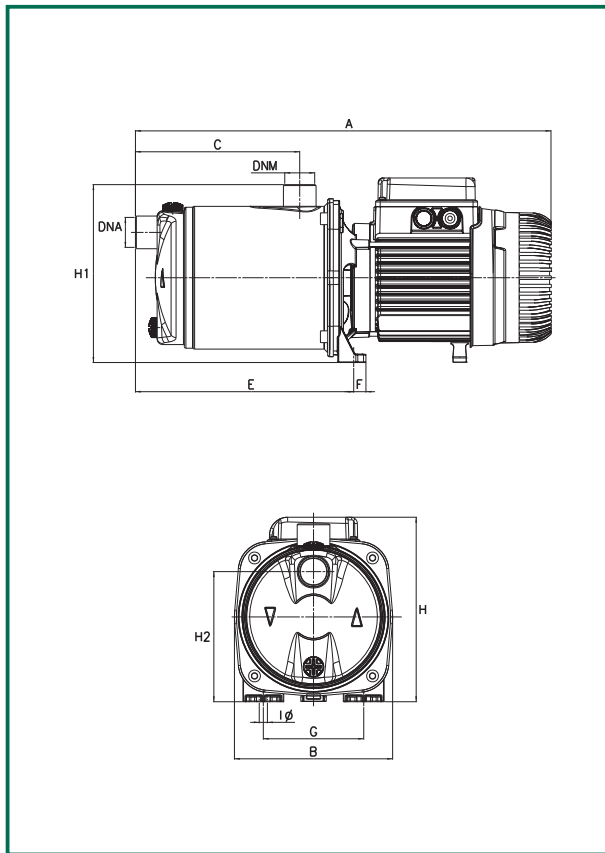


MODEL	A	B	C	E	F	G	I Ø	H	H1	H2	DNA	DNM	PACKING DIMENSIONS			VOLUME m ³	WEIGHT	
													L/A	L/B	H		M	T
EUROINOX 25/30 MT	384	174	108	186	13,5	111	9	193	196	143	1" G	1" G	440	206	245	0,025	9,9	9,7
EUROINOX 30/30 MT	439	174	166	241	13,5	111	9	193	196	143	1" G	1" G	480	212	265	0,031	11,9	11,7
EUROINOX 40/30 MT	439	174	166	241	13,5	111	9	193	196	143	1" G	1" G	480	212	265	0,031	12	11,9

MODEL	ELECTRICAL DATA								HYDRAULIC DATA (n = 2800 1/min)																					
	N° IMPELLER	VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	HP	In A	CAPACITOR		Q																					
							µF	Vc	m ³ /h	0	0,6	1,2	1,8	2,4	3	3,3														
EUROINOX 25/30 M	3	1x220-240 V ~	0,520	0,37	0,5	2,4	10	450	H (m)	34,4	31,7	28,3	23,5	17,5	11	8														
EUROINOX 25/30 T		3x230-400 V ~	0,510	0,37	0,5	1,9-1,1	-	-																						
EUROINOX 30/30 M	4	1x220-240 V ~	0,760	0,49	0,67	3,5	12,5	450									46	42,2	37,8	31,2	23,3	14,3	10							
EUROINOX 30/30 T		3x230-400 V ~	0,74	0,49	0,67	2,7-1,5	-	-																						
EUROINOX 40/30 M	5	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450																57	52,7	47	38,8	29	17,7	12
EUROINOX 40/30 T		3x230-400 V ~	0,870	0,55	0,75	2,8-1,6	-	-																						

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 Kg/m³. Curve tolerance according to ISO 9906.
 Liquid temperature range: from 0 °C to +35°C
 Maximum ambient temperature: +40°C

EUROINOX 50

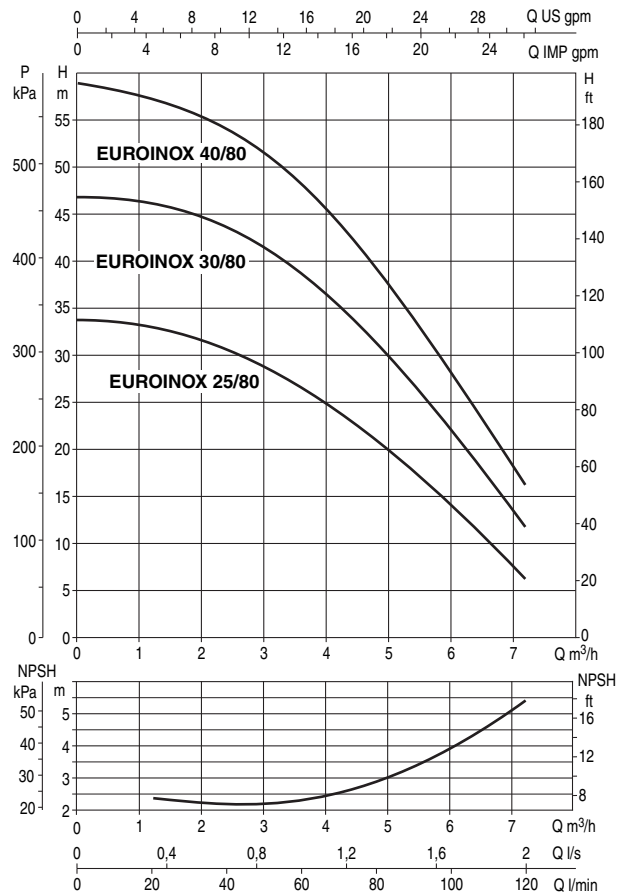
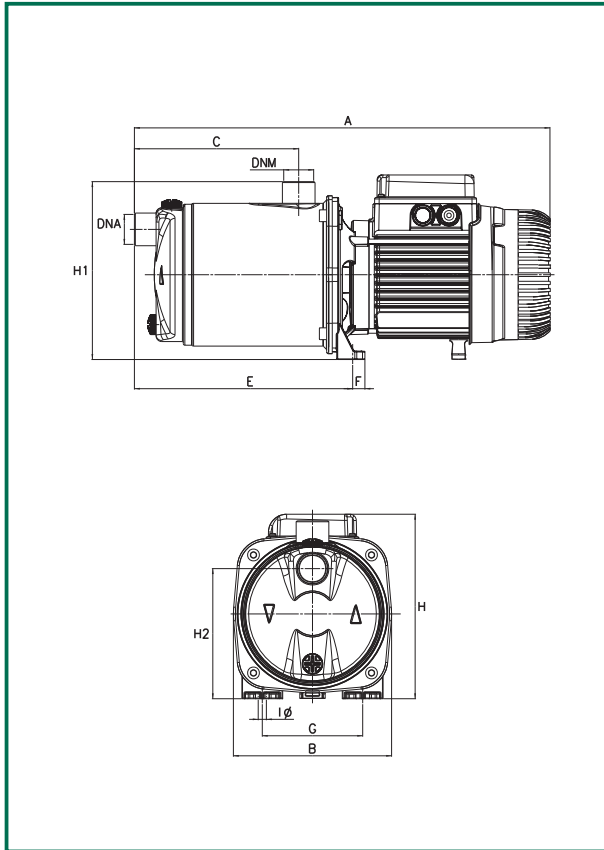


MODEL	A	B	C	E	F	G	I Ø	H	H1	H2	DNA	DNM	PACKING DIMENSIONS			VOLUME m ³	WEIGHT	
													L/A	L/B	H		M	T
EUROINOX 30/50 MT	384	174	108	186	13,5	111	9	193	196	143	1" G	1" G	440	206	245	0,025	10,7	10,5
EUROINOX 40/50 MT	458	174	166	241	13,5	111	9	203	196	143	1" G	1" G	480	212	265	0,031	14,8	14,6
EUROINOX 50/50 MT	458	174	166	241	13,5	111	9	203	196	143	1" G	1" G	480	212	265	0,031	15,5	15,1

MODEL	ELECTRICAL DATA								HYDRAULIC DATA (n ≈ 2800 1/min)										
	N° IMPELLER	VOLTAGE 50 Hz	P1 MAX kW	P2		In A	CAPACITOR		Q										
				NOMINAL kW	HP		µF	Vc	m ³ /h	0	0,6	1,2	1,8	2,4	3	3,3	3,6	4,2	4,8
EUROINOX 30/50 M	3	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450	H (m)	42,2	40,2	38,2	36,2	33,8	30	27,5	24,8	19,5	14
EUROINOX 30/50 T		3x230-400 V ~	0,870	0,55	0,75	2,8-1,6	-	-											
EUROINOX 40/50 M	4	1x220-240 V ~	1,200	0,75	1	5,3	25	450											
EUROINOX 40/50 T		3x230-400 V ~	1,180	0,75	1	3,8-2,2	-	-											
EUROINOX 50/50 M	5	1x220-240 V ~	1,480	1	1,36	6,3	25	450											
EUROINOX 50/50 T		3x230-400 V ~	1,440	1	1,36	4,4-2,5	-	-											

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 Kg/m³. Curve tolerance according to ISO 9906.
 Liquid temperature range: from 0 °C to +35°C Maximum ambient temperature: +40°C

EUROINOX 80



MODEL	A	B	C	E	F	G	I Ø	H	H1	H2	DNA	DNM	PACKING DIMENSIONS			VOLUME	WEIGHT	
													L/A	L/B	H	m ³	M	T
EUROINOX 25/80 MT	384	174	108	186	13,5	111	9	193	196	143	1" G	1" G	440	206	245	0,025	10,7	10,5
EUROINOX 30/80 MT	458	174	166	241	13,5	111	9	203	196	143	1" G	1" G	480	212	265	0,031	14,8	14,6
EUROINOX 40/80 MT	458	174	166	241	13,5	111	9	203	196	143	1" G	1" G	480	212	265	0,031	15,5	15,1

MODEL	ELECTRICAL DATA							HYDRAULIC DATA (n = 2800 1/min)														
	N° IMPELLER	VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR		Q													
				kW	HP		µF	Vc	m³/h	0	0,6	1,2	1,8	2,4	3	3,3	3,6	4,2	4,8	6	7,2	
EUROINOX 25/80 M	3	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450	H (m)	34	33,7	33,2	32	30,5	28,7	27,5	26	23,9	21	14,5	6,3	
EUROINOX 25/80 T		3x230-400 V ~	0,870	0,55	0,75	2,8-1,6	-	-		47,3	47	46,3	45,2	43,5	41	39,9	38	34,8	31	23	12	
EUROINOX 30/80 M	4	1x220-240 V ~	1,200	0,8	1,1	5,3	25	450		59	58	57	56	54	51	49,5	47,5	43,8	39,5	29,5	16	
EUROINOX 30/80 T		3x230-400 V ~	1,180	0,8	1,1	3,8-2,2	-	-														
EUROINOX 40/80 M	5	1x220-240 V ~	1,480	1	1,36	6,5	25	450														
EUROINOX 40/80 T		3x230-400 V ~	1,440	1	1,36	4,4-2,5	-	-														