

# EURO



## GENERAL DATA

### Applications

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 200 UNI ISO 185 cast iron. 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

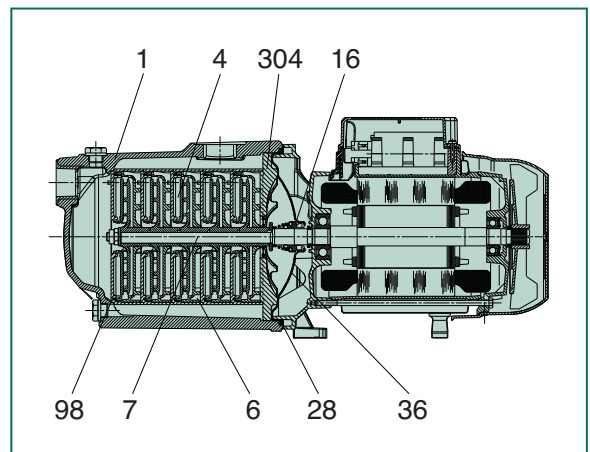
Insulation class: F

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

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

## TECHNICAL DATA

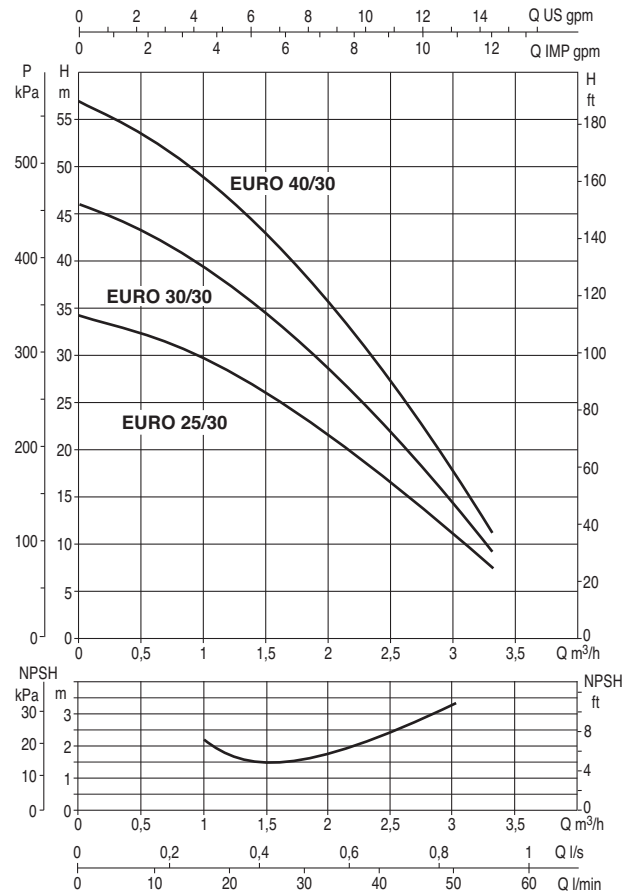
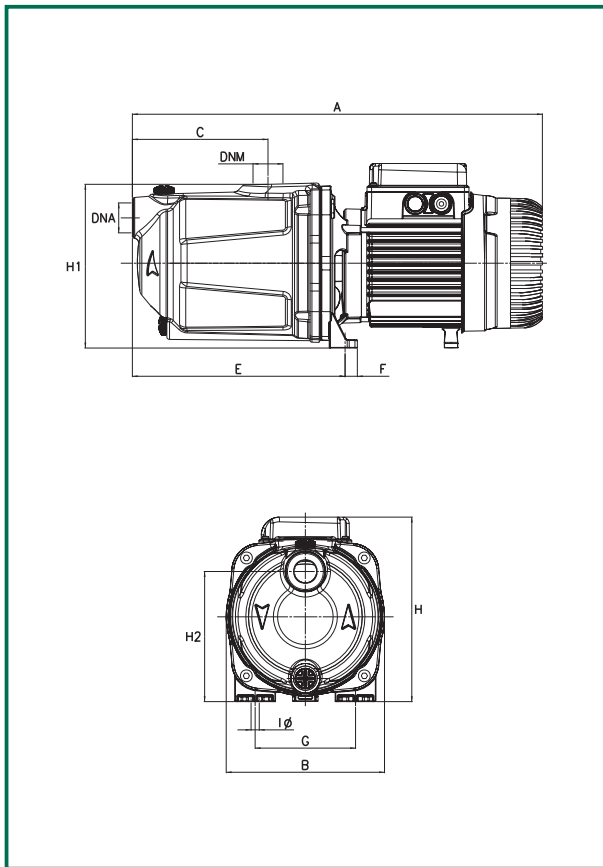
N.	PARTS	MATERIALS
1	PUMP BODY	200 CAST IRON UNI ISO 185
4	IMPELLER	TECHNOPOLYMER
6	DIFFUSER	TECHNOPOLYMER
7	SHAFT WITH ROTOR	AISI 304 X5CRNI 1810 UNI 6900/71 STAINLESS STEEL
16	MECHANICAL SEAL	CARBON/CERAMIC
28	GASKET OR	NBR
36	SEAL HOLDER COVER	AISI 304 X5CRNI 1810 UNI 6900/71 STAINLESS STEEL
98	DIFFUSER BODY	TECHNOPOLYMER
304	REAR DISK	TECHNOPOLYMER



- 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 mm<sup>2</sup>/s and density equal to 1000 Kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.  
 Liquid temperature range: from 0 °C to +35°C Maximum ambient temperature: +40°C

# EURO 30

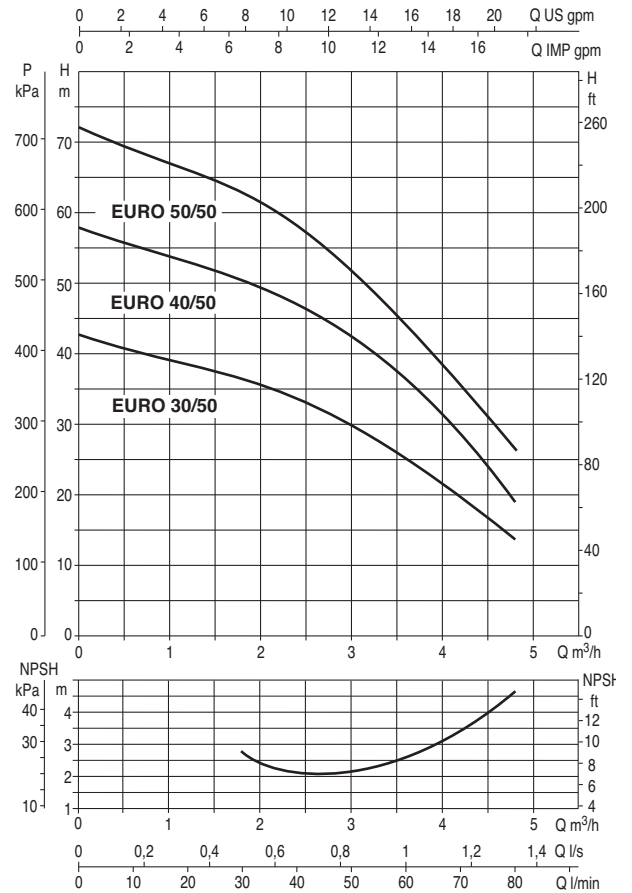
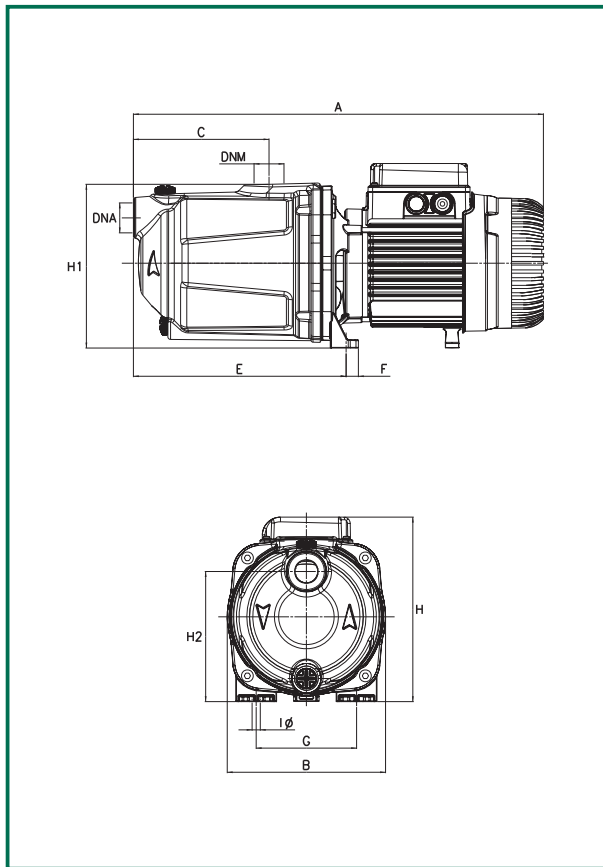


MODEL	A	B	C	E	F	G	I ø	H	H1	H2	DNA	DNM	PACKING DIMENSIONS			VOLUME m <sup>3</sup>	WEIGHT Kg	
													L/A	L/B	H		M	T
<b>EURO 25/30 MT</b>	378	175	94,5	180	13,5	111	9	194	179	143,5	1" G	1" G	440	206	245	0,025	10,7	10,5
<b>EURO 30/30 MT</b>	433	175	149,5	235	13,5	111	9	194	179	143,5	1" G	1" G	480	212	265	0,031	12,7	12,5
<b>EURO 40/30 MT</b>	433	175	149,5	235	13,5	111	9	194	179	143,5	1" G	1" G	480	212	265	0,031	12,8	12,7

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	m <sup>3</sup> /h	0	0,6	1,2	1,8	2,4	3	3,3														
<b>EURO 25/30 M</b>	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														
<b>EURO 25/30 T</b>		3x230-400 V ~	0,510	0,37	0,5	1,9-1,1	-	-																						
<b>EURO 30/30 M</b>	4	1x220-240 V ~	0,74	0,8	0,66	4	12,5	450									46	42,2	37,8	31,2	23,3	14,3	10							
<b>EURO 30/30 T</b>		3x230-400 V ~	0,74	0,54	0,74	2,65-1,53	-	-																						
<b>EURO 40/30 M</b>	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
<b>EURO 40/30 T</b>		3x230-400 V ~	0,870	0,55	0,75	2,8-1,6	-	-																						

The performance curves are based on the kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 Kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.  
 Liquid temperature range: from 0 °C to +35°C Maximum ambient temperature: +40°C

# EURO 50

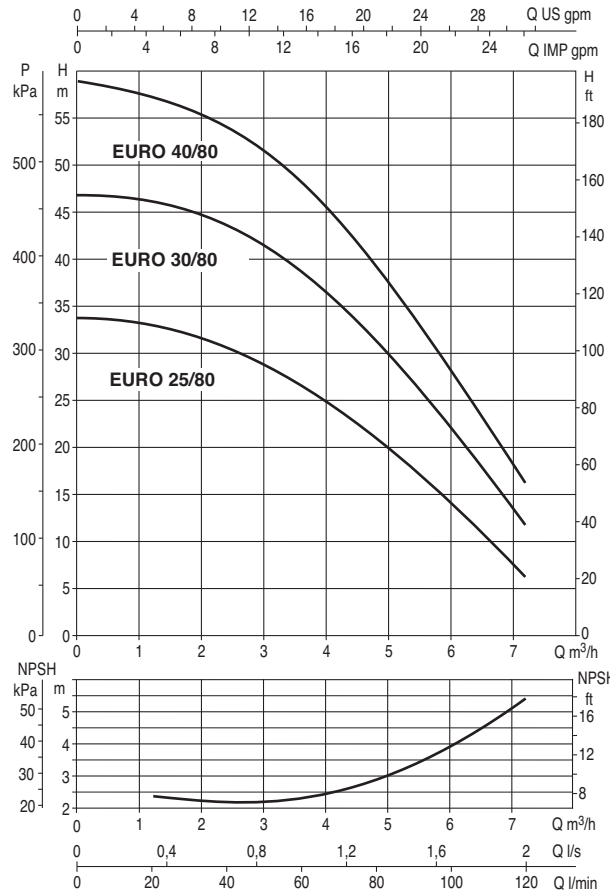
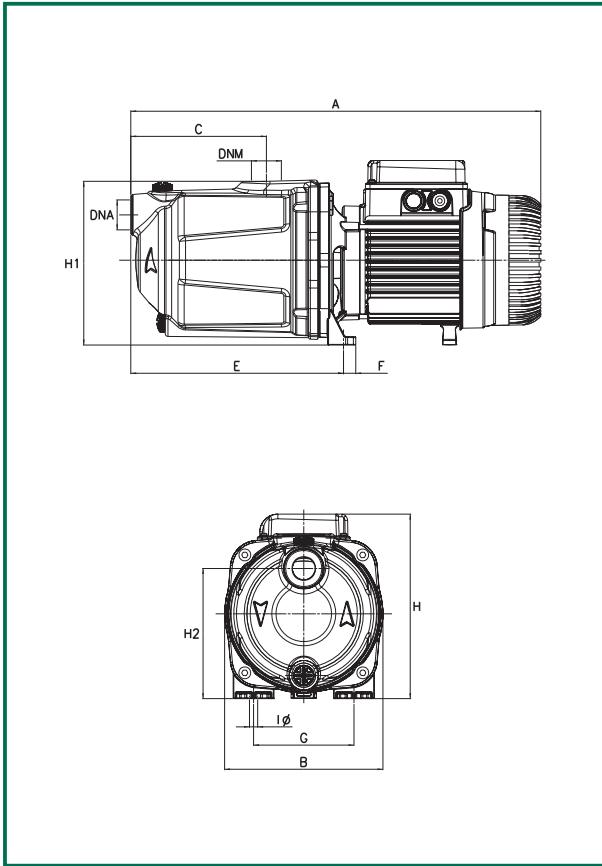


MODEL	A	B	C	E	F	G	I Ø	H	H1	H2	DNA	DNM	PACKING DIMENSIONS			VOLUME m <sup>3</sup>	WEIGHT Kg	
													L/A	L/B	H		M	T
<b>EURO 30/50 MT</b>	378	175	94,5	180	13,5	111	9	194	179	143,5	1" G	1" G	440	206	245	0,025	11,5	11,3
<b>EURO 40/50 MT</b>	452	175	149,5	235	13,5	111	9	204	179	143,5	1" G	1" G	480	212	265	0,031	15,6	15,4
<b>EURO 50/50 MT</b>	452	175	149,5	235	13,5	111	9	204	179	143,5	1" G	1" G	480	212	265	0,031	16,3	15,9

MODEL	ELECTRICAL DATA								HYDRAULIC DATA (n ≈ 2800 1/min)										
	N° IMPELLER	VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW / HP	I <sub>n</sub> A	CAPACITOR		Q m <sup>3</sup> /h l/min	H (m)										
						μF	V <sub>c</sub>		0	0,6	1,2	1,8	2,4	3	3,3	3,6	4,2	4,8	
<b>EURO 30/50 M</b>	3	1x220-240 V ~	0,880	0,55	0,75	3,9	12,5	450	H (m)	42,5	40,2	38,2	36,2	33,8	30	27,5	24,8	19,5	14
<b>EURO 30/50 T</b>		3x230-400 V ~	0,870	0,55	0,75	2,8-1,6	-	-		57,5	55,3	52,8	50,1	47,1	42,7	39,5	35,8	28	19
<b>EURO 40/50 M</b>	4	1x220-240 V ~	1,200	0,75	1	5,3	25	450		72	68,5	65,5	62,1	58,2	52,2	48	43,6	34,5	26
<b>EURO 40/50 T</b>		3x230-400 V ~	1,180	0,75	1	3,8-2,2	-	-											
<b>EURO 50/50 M</b>	5	1x220-240 V ~	1,480	1	1,36	6,3	25	450											
<b>EURO 50/50 T</b>		3x230-400 V ~	1,440	1	1,36	4,4-2,5	-	-											

The performance curves are based on the kinematic viscosity values = 1 mm<sup>2</sup>/s and density equal to 1000 Kg/m<sup>3</sup>. Curve tolerance according to ISO 9906.  
 Liquid temperature range: from 0 °C to +35°C Maximum ambient temperature: +40°C

# EURO 80



MODEL	A	B	C	E	F	G	I Ø	H	H1	H2	DNA	DNM	PACKING DIMENSIONS			VOLUME m <sup>3</sup>	WEIGHT Kg	
													L/A	L/B	H		M	T
<b>EURO 25/80 MT</b>	378	175	94,5	180	13,5	111	9	194	179	143,5	1" G	1" G	440	206	245	0,025	11,5	11,3
<b>EURO 30/80 MT</b>	452	175	149,5	235	13,5	111	9	204	179	143,5	1" G	1" G	480	212	265	0,031	15,6	15,4
<b>EURO 40/80 MT</b>	452	175	149,5	235	13,5	111	9	204	179	143,5	1" G	1" G	480	212	265	0,031	16,3	15,9

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	m <sup>3</sup> /h	0	0,6	1,2	1,8	2,4	3	3,3	3,6	4,2	4,8	6	7,2	
<b>EURO 25/80 M</b>	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	
<b>EURO 25/80 T</b>		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	
<b>EURO 30/80 M</b>	4	1x220-240 V ~	1,200	0,8	1,1	5,3	20	450		59	58	57	56	54	51	49,5	47,5	43,8	39,5	29,5	16	
<b>EURO 30/80 T</b>		3x230-400 V ~	1,180	0,8	1,1	3,8-2,2	-	-														
<b>EURO 40/80 M</b>	5	1x220-240 V ~	1,480	1	1,36	6,3	25	450														
<b>EURO 40/80 T</b>		3x230-400 V ~	1,440	1	1,36	4,4-2,5	-	-														