



## MONOBLOC BOREHOLE PUMPS

# E5MX

Poles 2 50 Hz



**EASYWELL**  
PUMPS & MOTORS

## GENERAL NOTES

E5MX monobloc borehole pumps are suitable for domestic, civil and industrial applications: for the supply and transport of water from wells, tanks and for irrigation.

**Maximum content of solids, the same hardness and granulometry of silt:** 50g/m<sup>3</sup>

**Maximum temperature of the pumped liquid:** 0÷35°C

**Protection degree:** IP68

**Insulation class:** F

**Motor powers:** up to 1,5kW single-phase and three-phase

**Supply Voltage:** 230V single-phase – 400V three-phase (230V on request)

**Supply Voltage - Tolerance:** ±10%

**Maximum starts/hour:** 40

**Maximum immersion depth:** 40m

**Standard cable length:** 10m

All pumps are tested

MADE IN ITALY certification

The hydraulic performance characteristics were measured with 400V powered motors, with cold water (15°C) and atmospheric pressure (1bar). They are guaranteed as conforming to standard UNI/ISO 9906 Grade 3B.

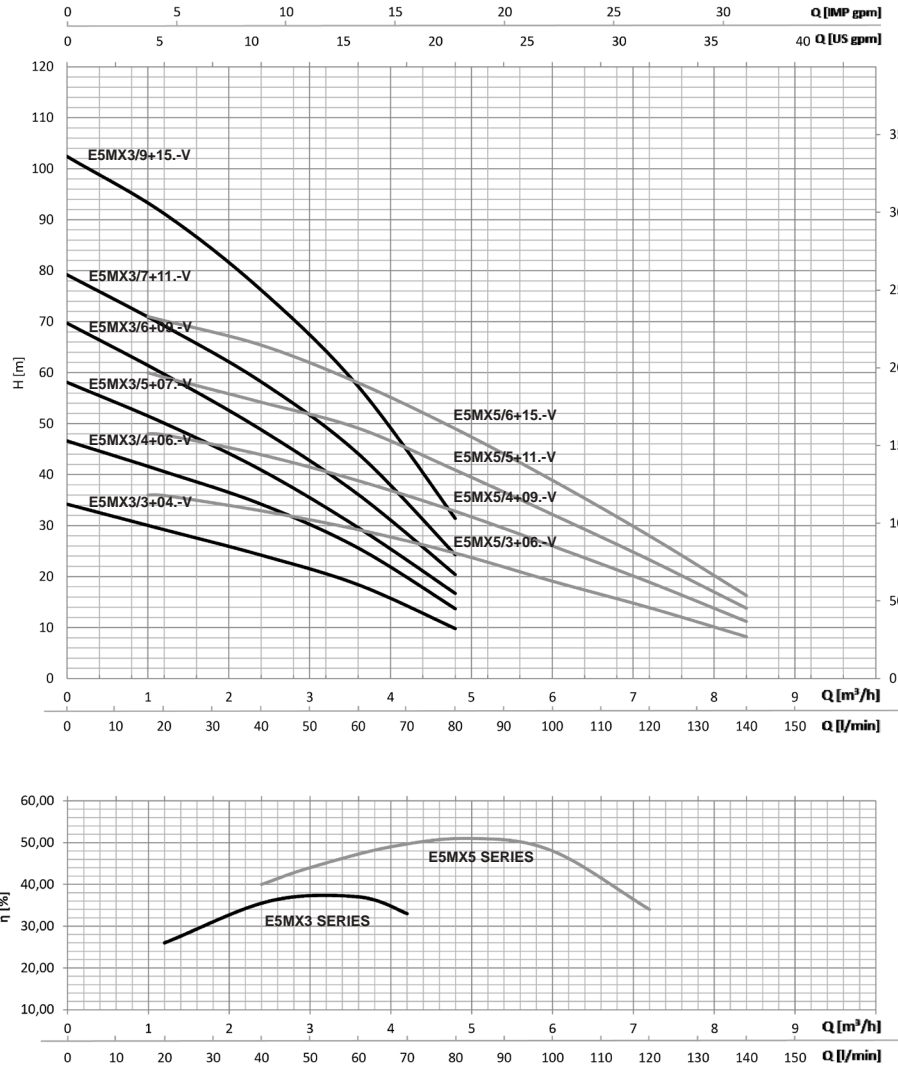
The catalogue data refer to liquids with a density of 1 kg/dm<sup>3</sup> and a kinematic viscosity of not more than 1 mm<sup>2</sup>/s.

Tolerances on the operating data according to the International Standards IEC 34-1.

## UPON REQUEST

- Floating switch with plug in connector
- Kit of conversion from automatic to manual version
- Cable length 20m

## E5MX PERFORMANCE RANGE - 50Hz



## OPERATING DATA - 50Hz

Type		P <sub>2</sub>		N. of Stage	Q (Flow rate)								
Single-phase 230 V	Three-phase 230/400 V	[Hp]	[kW]		[l/min]	0	20	40	60	80	100	120	140
					[m³/h]	0	1,2	2,4	3,6	4,8	6	7,2	8,4
H (Total Head) [m]													
E5MX3/3+04M.-V	E5MX3/3+04T.-V	0,6	0,45	3	34,2	29,2	24,2	18,4	9,8	-	-	-	
E5MX3/4+06M.-V	E5MX3/4+06T.-V	0,8	0,6	4	46,6	40,6	34,2	25,6	13,7	-	-	-	
E5MX3/5+07M.-V	E5MX3/5+07T.-V	1	0,75	5	58,1	50,1	40,9	29,6	16,7	-	-	-	
E5MX3/6+09M.-V	E5MX3/6+09T.-V	1,2	0,9	6	69,7	59,7	48,8	36,1	20,4	-	-	-	
E5MX3/7+11M.-V	E5MX3/7+11T.-V	1,5	1,1	7	79,2	69,2	58,2	44,1	24,3	-	-	-	
E5MX3/9+15M.-V	E5MX3/9+15T.-V	2	1,5	9	102,4	91,2	76,2	57,3	31,4	-	-	-	
E5MX5/3+06M.-V	E5MX5/3+06T.-V	0,8	0,6	3	37,2	35,9	32,9	29,2	24,6	19,1	13,9	8,2	
E5MX5/4+09M.-V	E5MX5/4+09T.-V	1,2	0,9	4	49,6	47,8	43,9	38,8	32,8	26,0	18,9	11,2	
E5MX5/5+11M.-V	E5MX5/5+11T.-V	1,5	1,1	5	61,5	59,1	54,2	49,1	40,9	32,2	23,3	13,8	
E5MX5/6+15M.-V	E5MX5/6+15T.-V	2	1,5	6	74,4	70,2	65,4	58,0	49,0	38,9	28,0	16,3	

## ELECTRICAL DATA - 50Hz

Type	P <sub>1</sub> [kW] (Max Absorbed Power)	I [A] (Max Absorbed Current)	Capacitor 450 V [μF]	Type	P <sub>1</sub> [kW] (Max Absorbed Power)	I [A] (Max Absorbed Current)	
						230 V	400 V
Single-phase 230 V				Three-phase 230/400 V			
E5MX3/3+04M.-V	0,81	3,7	20	E5MX3/3+04T.-V	0,82	2,4	1,4
E5MX3/4+06M.-V	1	5,1	25	E5MX3/4+06T.-V	1,04	2,9	1,9
E5MX3/5+07M.-V	1,22	5,7	25	E5MX3/5+07T.-V	1,3	3,8	2,2
E5MX3/6+09M.-V	1,4	6,5	35	E5MX3/6+09T.-V	1,32	4,5	2,6
E5MX3/7+11M.-V	1,65	7,6	35	E5MX3/7+11T.-V	1,51	4,8	2,9
E5MX3/9+15M.-V	2,15	9,8	40	E5MX3/9+15T.-V	2,05	5,7	3,5
E5MX5/3+06M.-V	1,1	5,2	25	E5MX5/3+06T.-V	1,12	4	2,1
E5MX5/4+09M.-V	1,32	6,4	35	E5MX5/4+09T.-V	1,29	4,4	2,5
E5MX5/5+11M.-V	1,7	8	35	E5MX5/5+11T.-V	1,64	4,9	3
E5MX5/6+15M.-V	1,95	9,4	40	E5MX5/6+15T.-V	1,92	5,7	3,7

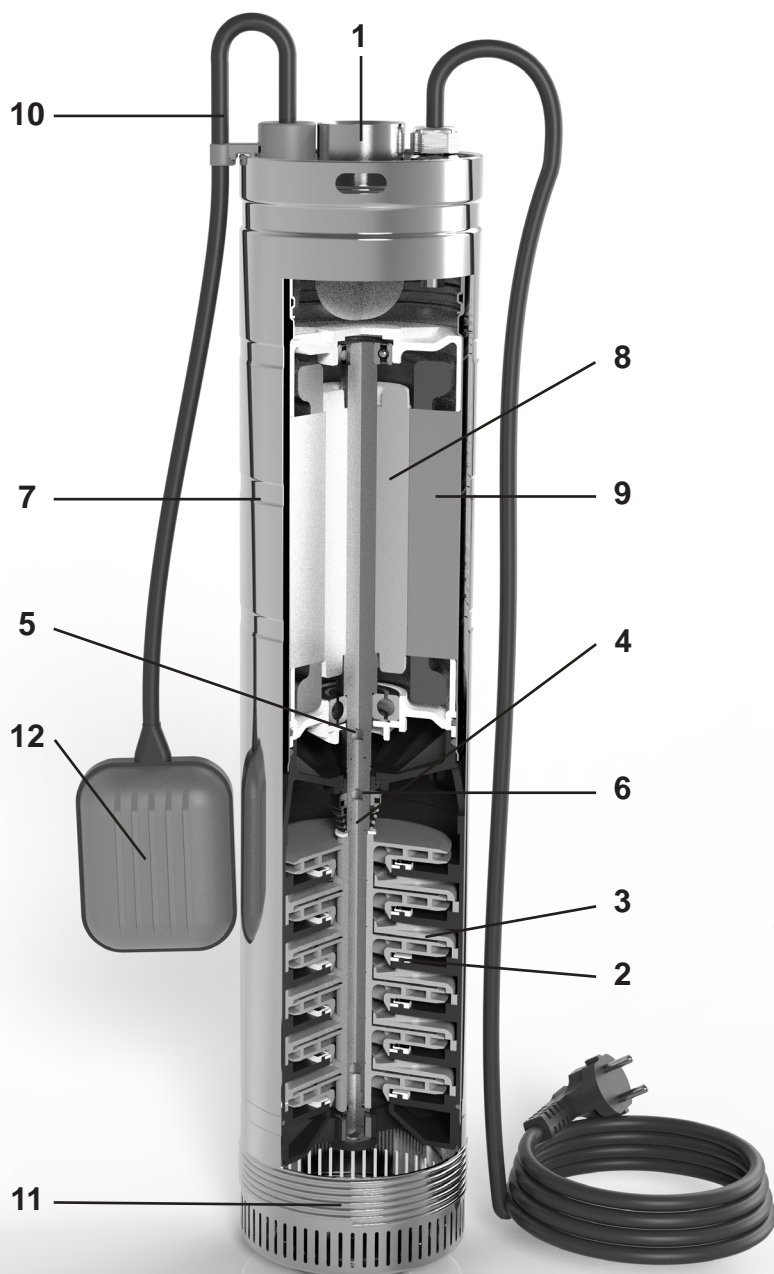
## OVERALL DIMENSIONS AND WEIGHTS

50Hz Models		Dimension (*)		Cable Length [m]
Single-phase 230 V	Three-phase 230/400 V	Length [mm]	Weight [kg]	
E5MX3/3+04M.-V	E5MX3/3+04T.-V	439	14	10
E5MX3/4+06M.-V	E5MX3/4+06T.-V	495	15,5	
E5MX3/5+07M.-V	E5MX3/5+07T.-V	521	16,5	
E5MX3/6+09M.-V	E5MX3/6+09T.-V	590	19	
E5MX3/7+11M.-V	E5MX3/7+11T.-V	616	20	
E5MX3/9+15M.-V	E5MX3/9+15T.-V	698	23,5	
E5MX5/3+06M.-V	E5MX5/3+06T.-V	469	16	
E5MX5/4+09M.-V	E5MX5/4+09T.-V	515	17,5	
E5MX5/5+11M.-V	E5MX5/5+11T.-V	541	18,5	
E5MX5/6+15M.-V	E5MX5/6+15T.-V	620	20,5	

(\*) Indicative measures and weights



## SECTIONED E5MX



## PUMP CONSTRUCTION AND MATERIALS

Pos.	Nomenclature	Material
1	Discharge outlet	Stainless steel
2	Impeller	Technopolymer
3	Diffuser	Technopolymer
4	Mechanical seal (Hydraulic side)	Rotating part: Graphite Fixed part: Silicon carbide
5	Mechanical seal (Motor side)	Rotating part: Graphite Fixed part: Alumina
6	Shaft	Motor zone: A105 Hydraulic zone: 304 SS
7	Shell	Stainless steel
8	Rotor	Magnetic Laminations
9	Stator	Magnetic Laminations
10	Cable	H07RN-F type
11	Filter	Stainless steel
12	Floating switch	-





The dimensions have an indicative value. Executive drawing will be supplied on request upon order.  
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