MONOBLOC BOREHOLE PUMPS

E5MX

Poles 2 50 Hz



EASYWELL
PUMPS & MOTORS

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ISO 9001
ISO 14001
ISO 45001
BUREAU VERITAS Certification

BY caprari

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^3
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 certi ication
The hydraulic performance characteristics were mesured 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^3 and a kinematic viscosity of not more than 1 mm^2/s.
Tolerances on the operating data according to the International Standards IEC 34-1.

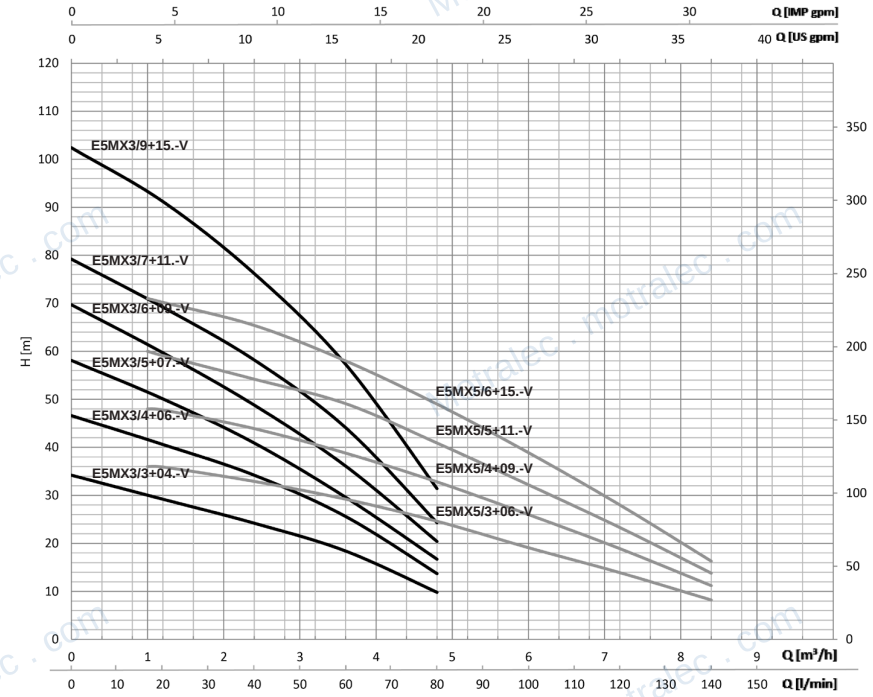
UPON REQUEST

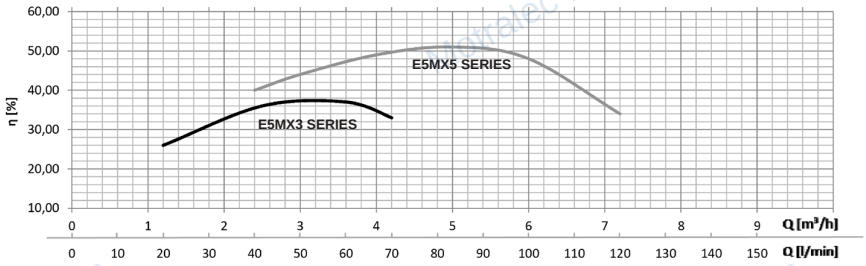
- Floating switch with plug in connector
- Kit of conversion from automatic to manual version
- Cable length 20m

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E5MX PERFORMANCE RANGE - 50Hz





OPERATING DATA - 50Hz

Type		P_2		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_1 [kW] (Max Absorbed Power)	I [A] (Max Absorbed Current)	Capacitor 450 V [µF]
Single-phase 230 V			
E5MX3/3+04M.-V	0,81	3,7	20
E5MX3/4+06M.-V	1	5,1	25
E5MX3/5+07M.-V	1,22	5,7	25
E5MX3/6+09M.-V	1,4	6,5	35
E5MX3/7+11M.-V	1,65	7,6	35
E5MX3/9+15M.-V	2,15	9,8	40
E5MX5/3+06M.-V	1,1	5,2	25
E5MX5/4+09M.-V	1,32	6,4	35
E5MX5/5+11M.-V	1,7	8	35
E5MX5/6+15M.-V	1,95	9,4	40

Type	P_1 [kW] (Max Absorbed Power)	I [A] (Max Absorbed Current)	
		230 V	400 V
Three-phase 230/400 V			
E5MX3/3+04T.-V	0,82	2,4	1,4
E5MX3/4+06T.-V	1,04	2,9	1,9
E5MX3/5+07T.-V	1,3	3,8	2,2
E5MX3/6+09T.-V	1,32	4,5	2,6
E5MX3/7+11T.-V	1,51	4,8	2,9
E5MX3/9+15T.-V	2,05	5,7	3,5
E5MX5/3+06T.-V	1,12	4	2,1
E5MX5/4+09T.-V	1,29	4,4	2,5
E5MX5/5+11T.-V	1,64	4,9	3
E5MX5/6+15T.-V	1,92	5,7	3,7

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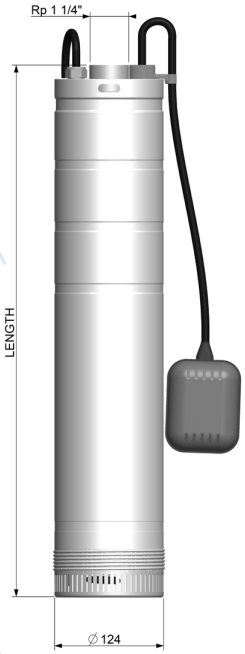
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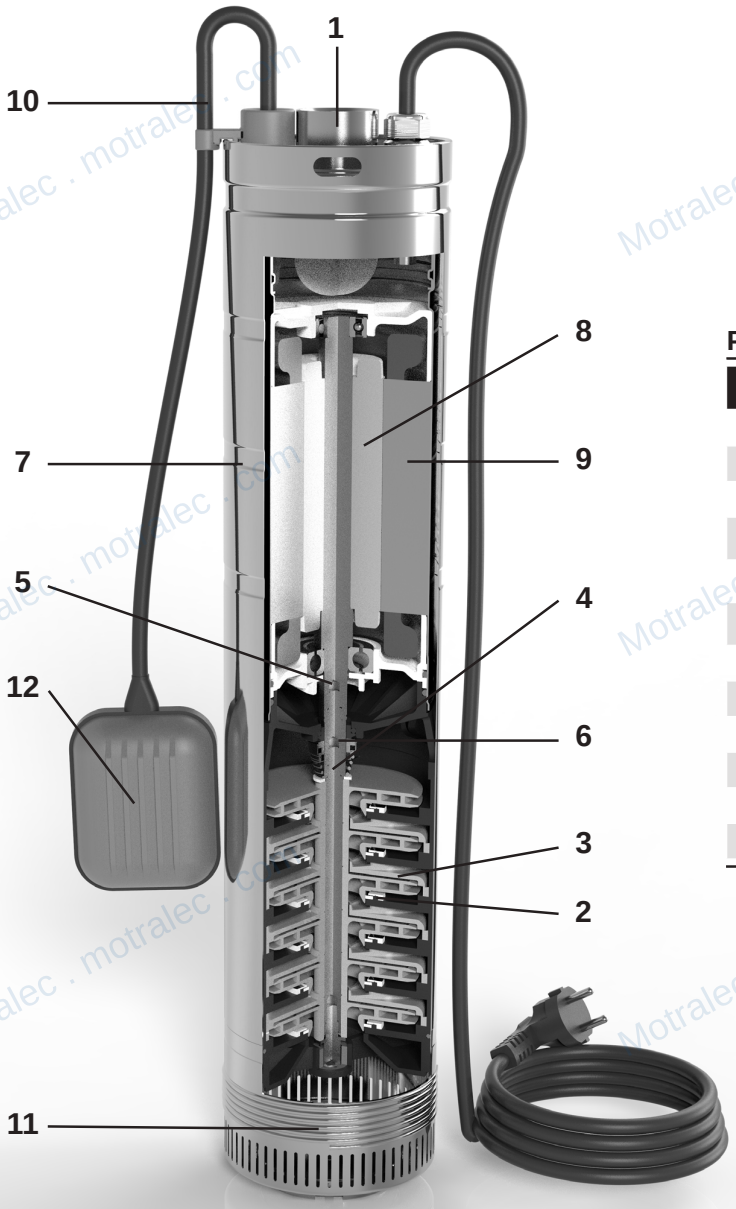
OVERALL DIMENSIONS AND WEIGHTS

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	-

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