

DRAINEX 301 M

Submersible pump for wastewater with solids in suspension, vortex system.

PUMP DESCRIPTION

Pumping of evacuation, transfer and emptying of wastewater with solids in suspension. Applications like emptying of flooded garages or basements, drains, residential sumps, water tanks or transfer of water from tanks and cisterns.

PRODUCT INFORMATION

Maximum height (m)	9
Maximum flow (m3/h)	38
Voltage (V)	230
Frequency (Hz)	50
Input power P1 (kW)	1.5
Intensity (A)	6.8
Capacitor capacity	16µF-450V
Pressure range (m)	9-1
Motor power P2 (kW)	1.1
Maximum working pressure (bar)	6
Maximum submersion	7
Number of motor phases	single-phase
Number of poles	2
Number of impellers	1
Cable length	10
Plug type	Shuko
Minimum flow (m3/h)	3.1

FEATURES

ELECTRICAL FEATURES

Electrical isolation	F Class	Protection rating	IP68
Reset	Automatic	Motor type	Asynchronous
Service factor	S1		

MATERIALS

Mechanical seal	Aluminium-Graphite	Suction body	Cast iron
Pump body	Cast iron	Discharge body	Cast iron
Pump shaft	Stainless steel AISI 420	Impeller/s	Cast iron
O-rings	NBR/EPDM		

MANUFACTURING FEATURES

Discharge diameter	2 1/2"	Maximum solids passage (mm)	65
Motor cooling	Water	Seal type	Mechanical seal
Discharge connection type	Thread		

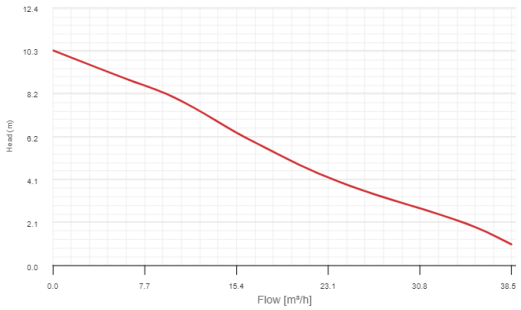
LIMITATIONS

Maximum submersion (m)	7	Water temperature (°C)	Max: 40

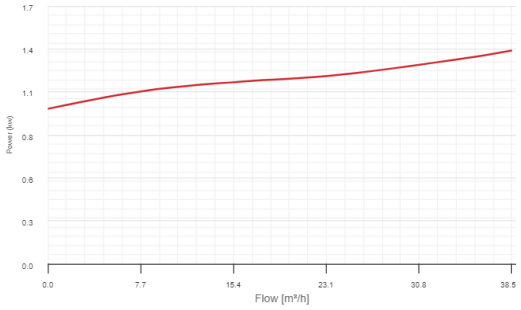
SPECIFICATIONS

PERFORMANCE
Frequency and Units

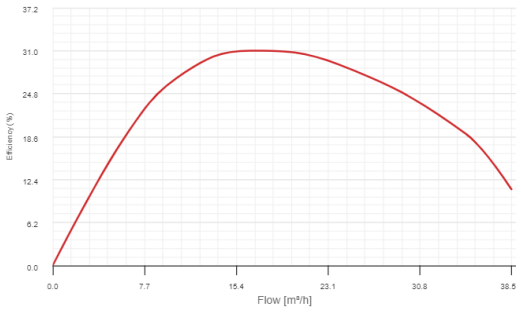
HEAD



POWER



EFFICIENCY



HYDRAULIC DATA — DRAINEX 301 M single-phase Model

Flow (Q) m3/h	0.0	5.8	10.3	16.6	24.0	34.6	38.5
Flow (Q) l/min	0.0	97.3	172.3	275.9	399.8	577.1	640.6
Head (H) m	10.3	9.0	8.0	6.0	4.0	2.0	1.0