Multi Eco-Top



Fields of Application

Water supply for

- One- or two-family houses,
- Agricultural installations,
- Irrigation systems,
- Washing plants.

Medium Handled

Clean to turbid water not containing aggressive, abrasive or solid substances.

Operating Data

up to 8 m³/h, 2.22 l/s

up to 54 m

 H_s up to 8 m

up to 50 °C in continuous operation, 70 °C for 10 minutes

p_d see table

H_S = suction lift

p_d = max. pressure at pump discharge nozzle

Designation

	Multi Eco-Top 35		느	/	50
Type series			T		T
E = Single-phase a.c. motor wit D = Three-phase current motor Accumulator volume in I					

Design

The domestic water supply systems comprises:

- Self-priming multistage centrifugal pump,
- Membrane-type accumulator, pre-pressurised in the factory,
- Pressure switch for automatic operation, preset in the factory. (The setting can be modified to match the output to the system requirements.)



Under no circumstances must the max. pressure pd be exceeded.

Materials

Pump

Cast iron coated with anti-corrosive Pump casing Discharge cover Cast iron coated with anti-corrosive

Stage casing Noryl

Shroud Stainless steel Diffusers Polypropylene

Impellers Noryl

Shaft Chrome steel Motor housing Aluminium

Accumulator

Steel with replaceable membrane, drinking water quality.

Drive

Single-phase a.c. motor:

220-240 V / 50 Hz with integrated overload protection, IP 44, insulation class F.

Three-phase motor:

380-415 V / 50 Hz, IP 44, insulation class F.

With grease-lubricated deep-groove ball bearings sealed for

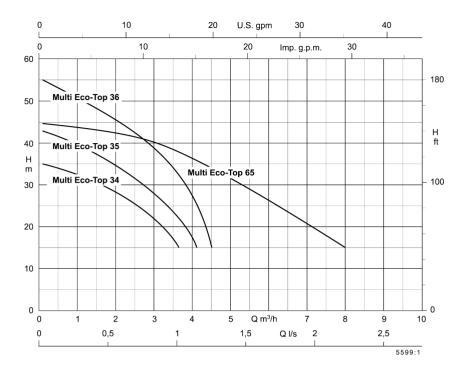
Conformity Marks



▲ (€ Meets the European standards.







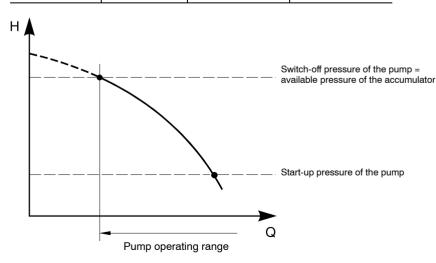
The discharge head is the sum of the suction lift + pressure head + friction losses in the suction and discharge lines + residual pressure. The flow rate depends on the relevant discharge head.

Maximum suction lift for all pump sizes: approx. 8 m.

	DN		Total	Effec- tive	Factory-se pressure	et	P ₁	50 Hz, ≈2	800 1/min		-	0		
	Suction	Dis-	vol	ume	On	Off		1~230 V	3~230 V	3~400 V	H07RI	N-F		
	side	charge side	ı	I	bar	bar	kW	≈A	≈A	≈A	m	mm ²	Ident No.	kg
34 E / 20	Rp 1	G 1	20	6.5	1.5	2.5	0.66	3.1	-	-	1.5	3x1	40 982 854	19
35 E / 20	Rp 1	G 1	20	7	1.5	3.0	0.8	3.7	-	-	1.5	3x1	40 982 855	19
35 E / 50	Rp 1	G 1	50	17	1.5	3.0	0.8	3.7	-	-	1.5	3x1	40 982 856	21
36 E / 50	Rp 1	G 1	50	17	1.5	3.0	1.1	5.0	-	-	1.5	3x1	40 982 857	24
36 D/50	Rp 1	G 1	50	17	1.5	3.0	1.1	-	4.3	2.5	-	-	40 982 858	24
65 E / 50	Rp 1 ¹ / ₄	G 1	50	17	1.5	3.0	1.3	6.1	-	-	1.5	3x1	40 982 859	24
65 D / 50	Rp 1 ¹ / ₄	G 1	50	17	1.5	3.0	1.3	-	4.7	2.7	-	-	40 982 860	24

p_d = max. discharge pressure in bar as listed in the following table

Multi Eco-Top	F	GB, DK, I, IRL	A, B, CH, CZ, D, E, NL, P, PL, S
34	3.9	6	6
35	3.9	6	7
36	3.9	6	7
65	3.9	6	7

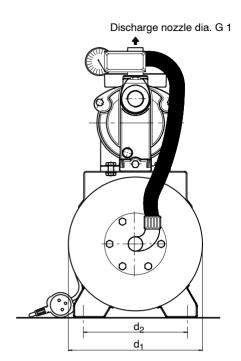


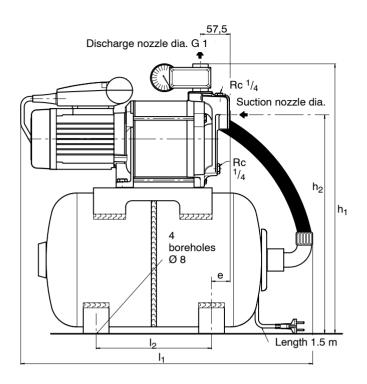
- The start-up and switch-off pressures can be set to meet the system requirements.
- Max. switch-off pressure p_d.
- The max. inlet pressure must be lower than the start-up pressure by at least 0.5 bar.



Multi Eco-Top

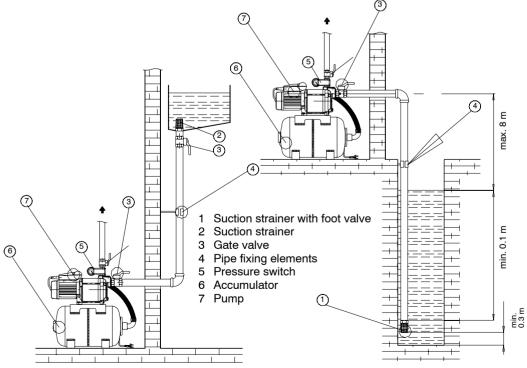
mm





Multi Eco-Top	Suction nozzle dia.	d ₁	d ₂	I ₁	l ₂	h ₁	h ₂	е
34/20	Rp 1	260	202	570	225	525	425	40
35/20	Rp 1	260	202	570	225	525	425	40
35/50	Rp 1	360	320	650	300	620	525	15
36/50	Rp 1	360	320	650	300	620	525	15
65/50	Rp 1 ¹ / ₄	360	320	650	300	620	525	15

Installation Drawing



Suction head operation

Suction lift operation

Pump Accessories

			≈kg
Suction strainer with foot valve, PVC, G 1 (for DN 25 pipe)	40 980 710	0.1	
Suction hose kit, complete with suction strainer and foot valve, 7 m, G 1 (DN 2	40 980 203	1.5	
Float switch for filling with shockproof adaptor plug (NC contact); circuit open when switch floats on top 230 V AC, 50 Hz, max. 8 (H 07 RN-F3G1)	11 037 759 11 037 760	0.6 0.9	
Weight for float switch		01 076 688	0.3

Electric Accessories

			≈ kg
Steckmat safety switch 1~230 V, 10 A., fast switch 0.03 seconds even in the harmless leakage currents 0.03 amp	00 534 217	0.4	
Mains water back-up equipment consisting of:			
Float switch and switching	plug cable length 10 m cable length 20 m	40 981 828 40 981 043	1.4 2.6
Solenoid valve with 3 m cable and shock- proof plug			
proof plug	R ¹ / ₂ R 1 R 2	40 981 618 42 207 828 19 071 879	2.3 3.0 4.5

flushing box)

Product Features

To Our Customers' Benefit

