

Generalities

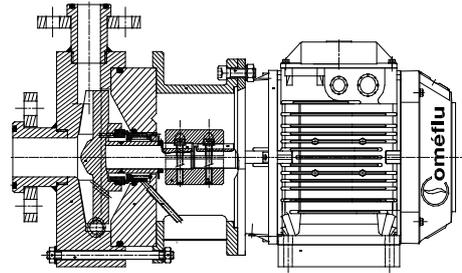
The centrifugal pumps of ECO range are intended for pumping of very aggressive fluids. They are equipped with mechanical seal specially designed for industry requirement and high technology. These pumps complete the HMP range with more than 100 000 units already in service.

Advantages

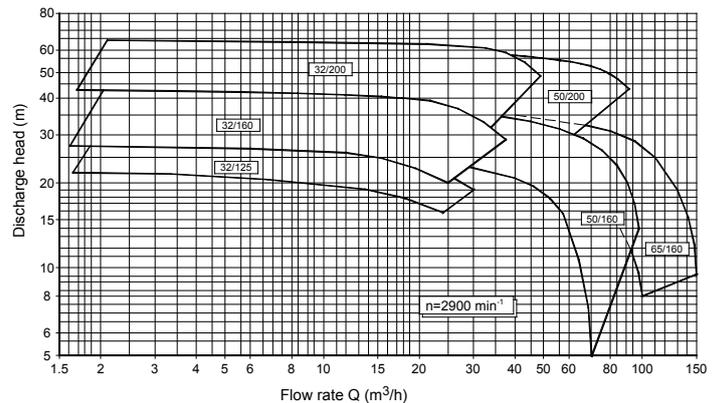
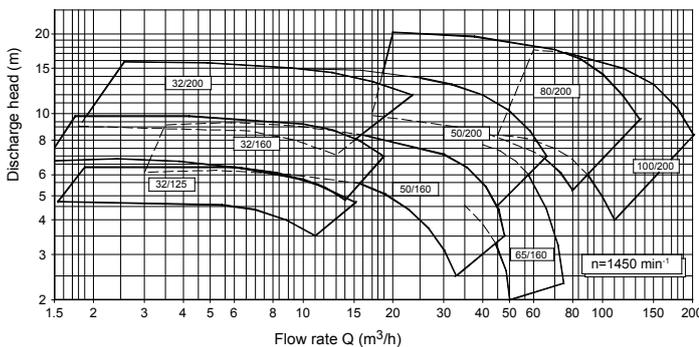
- New hydraulics allowing very high performances.
- A connection between the pump and the motor that allow a very easy dismantling even after many years of service in corrosive ambience.
- Simplified maintenance : identical mechanical seal for the whole ECO range.
- Close coupled pump without any adjustment.
- IEC standards normalized motors.

Construction

The hydraulic part is entirely realized of thick-walled plastic materials.
 Materials used : Polypropylene PP or PP-EL for ATEX.
 Mechanical seal can be provided with Sic / Sic or Sic / Carbon faces.

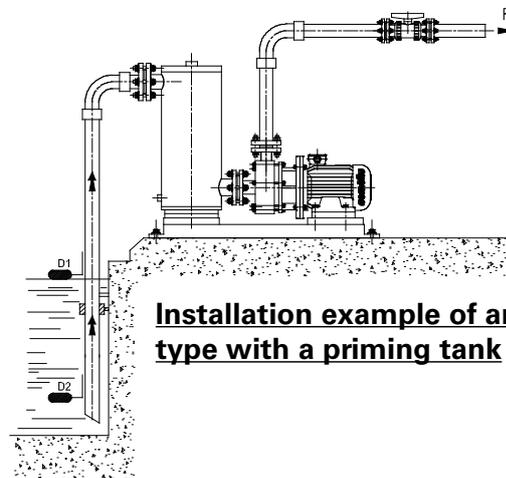


Diagrams



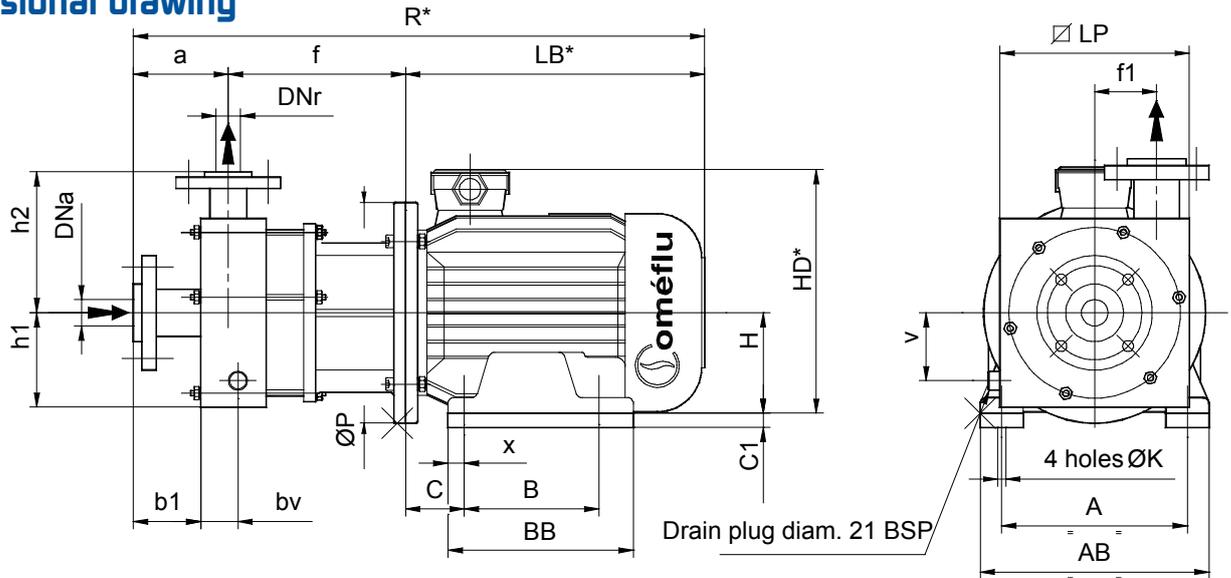
Priming tank

The ECO range pumps are horizontal, single stage close coupled centrifugal pumps intended to be installed with suction head. When working with suction lift, the pumps are equipped with a priming tank specially designed for the most difficult applications.

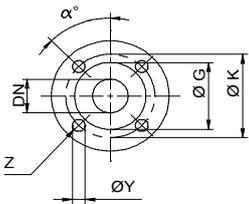


Installation example of an ECO pump type with a priming tank

Dimensional drawing



Connexions



Flanges ISO PN16					
DN	K	Y	Z	G	α°
32	100	18	4	60	45°
50	125	18	4	90	45°
65	145	18	4	90	45°
80	160	18	8	125	22°30'
100	180	18	8	150	22°30'
125	210	18	8	188	22°30'

Connect pipes on pump without strain!

ECO	Motors		Flanges		PUMP DIMENSIONS													MOTOR DIMENSIONS									
	Type	P (Kw)	DNa	DNr	H	a	f	f1	h1	h2	b1	LP	V	bv	C1	A	AB	B	BB	C	HD	K	LB	P	R	x	
32/125	100 L	3	2,2/3	50	32	100	105	205	77	115	175	60	230	77	55	60	160	196	140	165	63	238	12	290	250	600	12
	112 M	4				112	105	205	77	115	175	60	230	77	55	48	190	220	140	165	70	250	12	290	250	600	12
	132 S	5,5/7,5				132	105	225	77	115	175	60	230	77	55	28	216	250	140	170	89	280	12	350	300	680	16
32/160	100 L	3	2,2/3	50	32	100	105	205	81	195	195	60	270	85	55	60	160	196	140	165	63	238	12	290	250	600	12
	112 M	4				112	105	205	81	195	195	60	270	85	55	48	190	220	140	165	70	250	12	290	250	600	12
	132 S	5,5/7,5				132	105	225	81	195	195	60	270	85	55	28	216	250	140	170	89	280	12	350	300	680	16
32/200	100 L	3	2,2/3	50	32	100	105	205	102	190	210	60	300	105	55	60	160	196	140	165	63	238	12	290	250	600	12
	112 M	4	4			112	105	205	102	190	210	60	300	105	55	48	190	220	140	165	70	250	12	290	250	600	12
	132 S	5,5/7,5				132	105	225	102	190	210	60	300	105	55	28	216	250	140	170	89	280	12	350	300	680	16
50/160	100 L	3	2,2/3	80	50	100	105	255	102	190	210	60	300	105	55	20	254	294	210	294	108	368	14	468	350	838	20
	112 M	4	4			112	115	265	81	195	195	70	270	90	55	48	190	220	140	165	70	250	12	290	250	600	12
	132 S	5,5/7,5				132	115	225	81	195	195	70	270	90	55	28	216	250	140	170	89	280	12	350	300	690	16
65/160	100 L	3	2,2/3	100	65	100	105	265	115	185	255	100	370	125	73	100	160	196	140	165	63	238	12	290	250	660	12
	112 M	4	4			112	115	265	115	185	255	100	370	125	73	88	190	220	140	165	70	250	12	290	250	660	12
	132 S	5,5/7,5	5,5/7,5			132	115	225	115	185	255	100	370	125	73	68	216	250	140	170	89	280	12	350	300	690	16
50/200	100 L	3	2,2/3	80	50	100	115	265	115	185	255	100	370	125	73	40	254	294	210	294	108	368	14	468	350	838	20
	112 M	4	4			112	115	265	115	185	255	100	370	125	73	68	216	250	140	170	89	280	12	350	300	690	16
	132 S	5,5/7,5	5,5			132	115	225	102	190	210	70	300	105	55	28	216	250	140	170	208	89	307	12	387	300	727
80/200	100 L	3	2,2/3	125	80	100	115	265	115	185	255	97	370	135	73	100	160	196	140	165	63	238	12	290	250	660	12
	112 M	4	4			112	115	265	115	185	255	97	370	135	73	88	190	220	140	165	70	250	12	290	250	660	12
	132 S	5,5				132	115	225	115	185	255	97	370	135	73	68	216	250	140	170	89	280	12	350	300	710	16
100/200	100 L	3	2,2/3	125	100	100	115	265	115	185	255	97	370	135	73	40	254	294	210	294	108	368	14	468	350	888	20
	112 M	4	4			112	166	225	165	242,5	340	97	485	180	90	142,5	160	196	140	165	63	238	12	290	250	681	12
	132 S	5,5				132	166	245	165	242,5	340	97	485	180	90	110,5	216	250	140	170	89	280	12	350	300	761	16

Dimensions in mm (subject to change)

*ATTENTION: subject to change depending on manufacturers



FP 13.10 EN