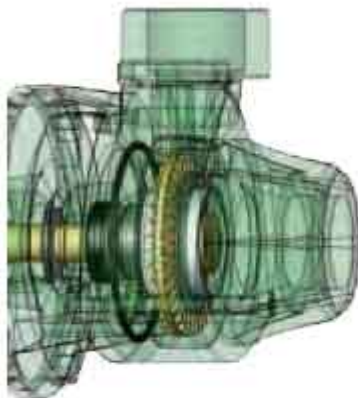


“Basic - Ondina”



Basic



Ondina

Ondina 50 ABS



Sealand Electric Pumps South Africa

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CLOSE COUPLED PERIPHERAL PUMPS

The close-coupled pumps with peripheral impeller series BASIC & ONDINA have been designed to pump clean liquids, without abrasives and suspended solids, non-explosive or aggressive for the pump's materials

- Liquid temperature not higher than 35 °C for domestic use (CEI EN 60335-2-41) or 90 °C for other use, while the ambient temperature must not be higher than 40 °C
- Flow rate up to ~ 3 m³/h
- Heads up to ~ 55 m

TECHNICAL FEATURES

- Pump body: cast iron G20 with anti-corrosive coating
- Motor bracket: cast iron G20 with anti-corrosive coating
- Impeller: stamped brass UNI- EN 12165
- Pump shaft: stainless steel Aisi 420F
- Mechanical seal: carbon-ceramics
- "ABS" Anti-blocking system in Aisi 304 stainless steel (only ONDINA 50) international Patent N° IT1315401

MOTOR

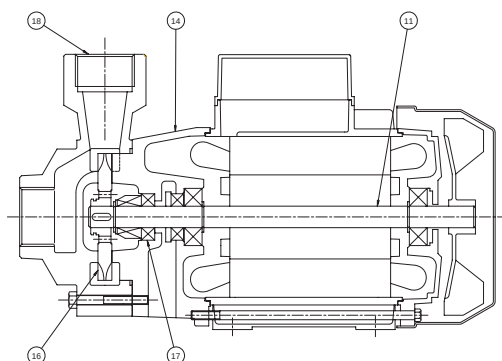
The control motors are asynchronous, squirrel cage-type, closed, with external ventilation

- Incorporated motor protection and capacitor always on, for single-phase models
- The motor protection for three-phase models must be installed by the customer. Equipment compliant with current standards should be used
- Class of insulation: F (Class B per Basic 50)-service:S1-Degree of protection :IP 44
- Terminal board protection: IP 54



SPARE PARTS LIST

ABS" Anti-blocking system in Aisi 304 stainless steel international Patent



- 11 Pump shaft + rotor
- 14 Outlet bracket
- 16 Impeller
- 17 Mechanical seal
- 18 Pump body

50 Hz - min⁻¹ ~ 2900

TYPE Single-phase	Nominal power		Input power [W]	Capacitor 450 V max	Input current [A]	Capacity							
						Q [m³/h]	0	0,3	0,6	1,2	1,8	2,4	3
						Q [l/s]	0	5	10	20	30	40	50
a	kW	HP	a	[µF]	1~ 230 V	Total head (m W.C.)							
BASIC 50 M	0,37	0,5	550	8	2,4	H [m]	35,0	33,0	29,0	20,0	11,0		
BASIC 80 M	0,6	0,8	1050	16	4,5		49,0	47,0	43,0	32,5	23,5	14,5	6

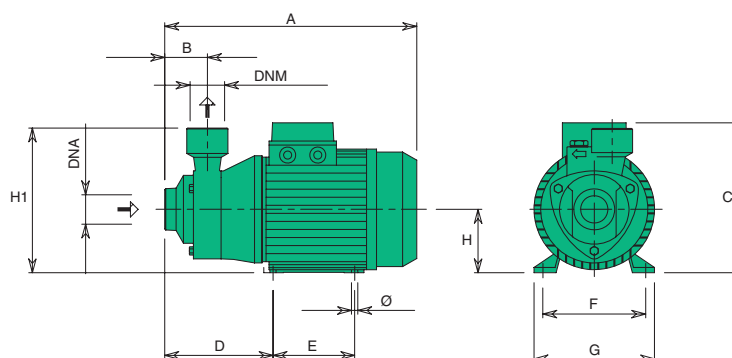
a) ~ Single-phase 230 V

b) ~ Three-phase 230/400 V

TYPE <i>Single-phase</i>	TYPE <i>Three-phase</i>	Nominal power		Input power [W]		Capacitor 450 V max	Input current [A]			Capacity												
										Q [m³/h]	0	0,3	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7	3	3,3
										Q [l/s]	0	5	10	15	20	25	30	35	40	45	50	55
a	b	kW	HP	a	b	[µF]	1~230V	3~230V	3~400V	Total head (m W.C.)												
ONDINA 50 M	ONDINA 50 T	0.37	0.5	560	490	10	2,5	2,1	1	H [m]	37.0	33.4	29.4	25.2	20.7	15.8	10.7	5.3				
ONDINA 80 M	ONDINA 80 T	0.59	0.8	1150	1100	14	5,4	3,8	2,2		66.4	58.8	45.9	40.2	34.7	29.3	24.2	19.2	14.3	9.7	5.2	
ONDINA 100 M	ONDINA 100 T	0.74	1	1200	1230	16	5,7	4,1	2,4		57.8	51.5	44.6	38.1	31.8	25.9	20.3	15.1	10.2	5.6		

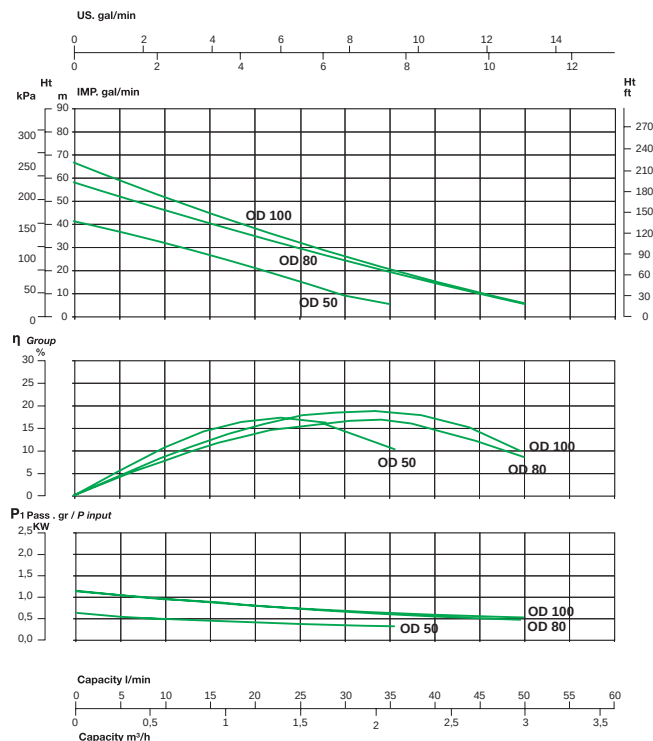
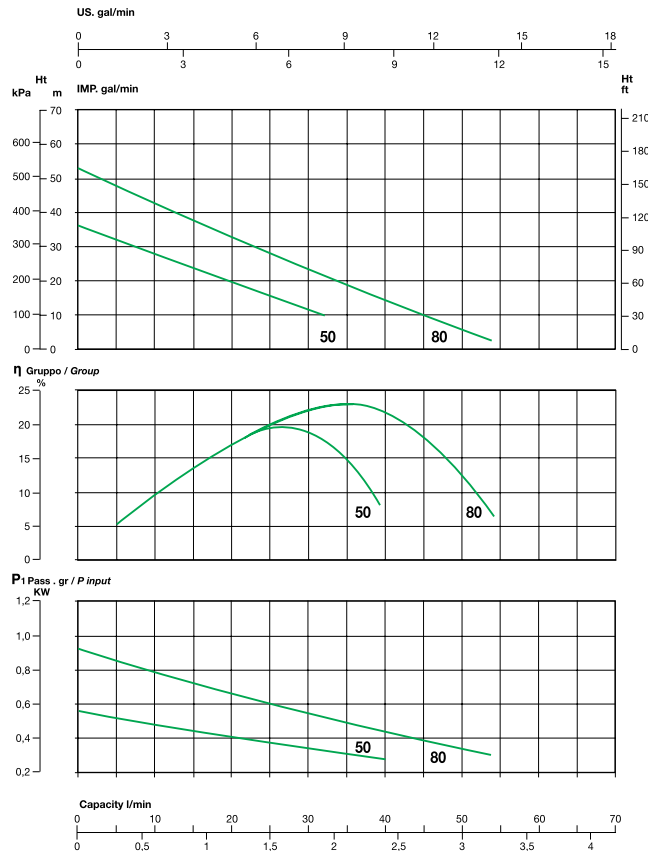
a) ~ Single-phase 230 V

b) ~ Three-phase 230/400 V



TYPE	DIMENSIONS [mm]												PACKING [mm]			WEIGHT [kg]
	A	B	C	D	E	F	G	Ø	H	H1	DNA	DNM	A	L	P	
BASIC 50	262	45	154	115	80	100	120	7	63	148	1"	1"	175	155	270	5,5
BASIC 80	266	48	154	119	80	100	120	7	63	154	1"	1"	175	155	275	8,5
ONDINA 50	256	50	156	115	80	100	120	7	63	145	1"	1"	165	290	150	6,1
ONDINA 80	294	55	172	125	90	112	135	7	71	157	1"	1"	190	320	160	9,7
ONDINA 100	294	55	172	125	90	112	135	7	71	157	1"	1"	190	320	160	11

$\text{min}^{-1} \sim 2900$



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