

SWS - SWT

CENTRIFUGAL SELF-PRIMING ELECTRIC PUMPS FOR POOLS



SWS



SWT

Centrifugal self-priming electric pumps for pools.

APPLICATIONS

- Filtration systems for private and public pools

TECHNICAL DETAILS

- Large-size incorporated pre-filter
- Motor entirely isolated from the water
- Transparent pre-filter cover for easy inspection and maintenance
- Easy installation

PUMP TECHNICAL DATA

- Maximum temperature of the liquid: +40°C
- Maximum ambient temperature: +40 °C
- Pumped liquid: clean or slightly dirty water, water containing chlorine or additives for pools
- Connections for SWS (2 alternatives):
 - Female thread 1"½
 - Connection for Ø50mm PVC pipe to be glued on
- Connections for SWT: female thread 2"

MOTOR TECHNICAL DATA

- Self-ventilated 2-pole asynchronous motor
- Class F insulation
- Single phase voltage 230V 50Hz, three phase voltage 230/400V 50Hz (SWT only)

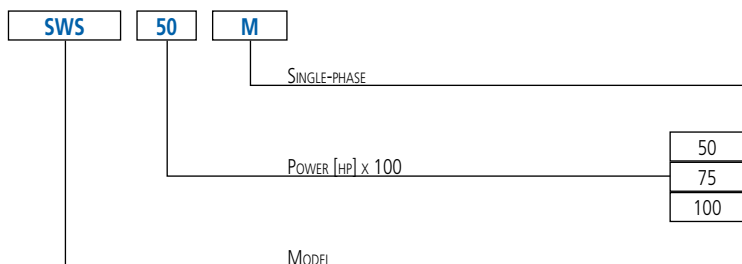
MATERIALS

- Pump body, seal holding disc and diffuser made of polypropylene reinforced with fibreglass and resistant to chemical substances
- Noryl impeller
- Graphite/ceramic mechanical seal
- AISI 316 shaft
- Transparent polycarbonate pre-filter cover
- Aluminium base
- AISI 304 screws

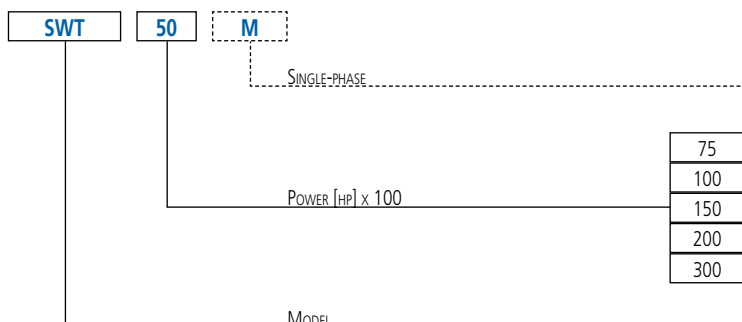
CONTROL PANELS

- 1EP
- 1EPBH

SWS IDENTIFICATION CODE



SWT IDENTIFICATION CODE

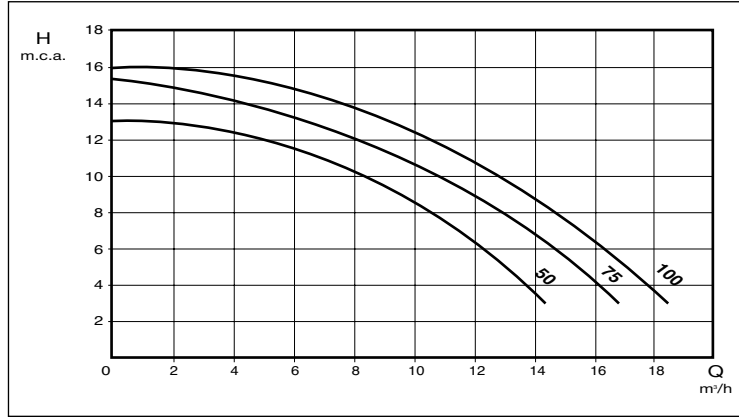


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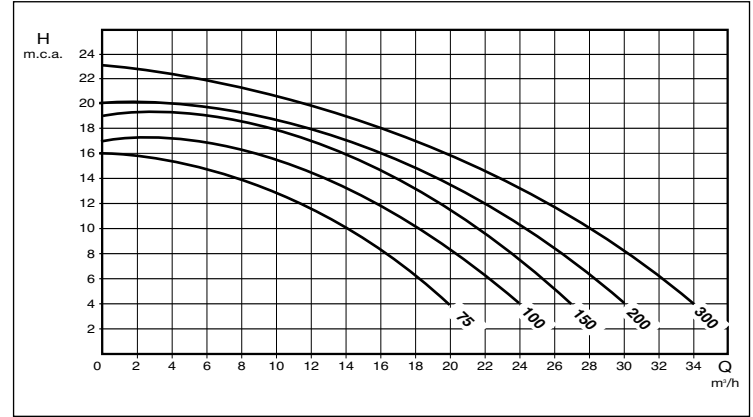
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SWS PERFORMANCE CURVES (according to ISO 9906 Annex A)



SWT PERFORMANCE CURVES (according to ISO 9906 Annex A)



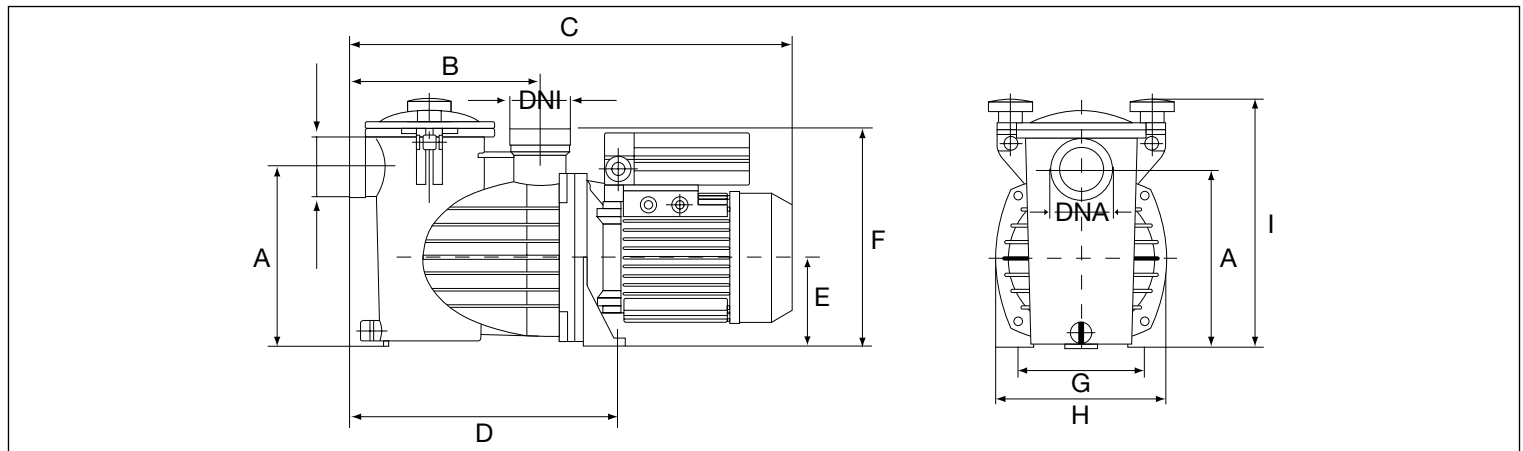
SWS PERFORMANCE TABLE

Model Single phase 230V	P ₂		H=Head [m]									
	[HP]	[kW]	4	6	8	10	11	12	13	14	15	
Q=Flow rate [m³/h]												
SWS 50 M	0,5	0,33	14,0	12,0	10,0	7,0	6,5	5,0	-	-	-	-
SWS 75 M	0,75	0,55	16,0	15,0	12,5	10,0	9,3	8,0	6,6	4,2	2,0	-
SWS 100 M	1	0,75	18,0	16,0	15,3	13,0	12,1	10,5	9,7	7,6	6,0	-

SWT PERFORMANCE TABLE

Model Single phase 230V	Model Three phase 230/400V	P ₂		H=Head [m]									
		[HP]	[kW]	4	6	8	10	12	14	16	18	20	
Q=Flow rate [m³/h]													
SWT 75 M	SWT 75	0,75	0,55	19,5	18,0	15,7	13,5	10,8	7,9	-	-	-	-
SWT 100 M	SWT 100	1	0,75	23,2	21,1	19,7	18,0	15,0	12,3	8,7	-	-	-
SWT 150 M	SWT 150	1,5	1,1	27,0	25,0	23,0	21,0	19,0	17,0	14,0	10,0	-	-
SWT 200 M	SWT 200	2	1,5	30,0	28,0	26,0	24,0	21,0	18,0	14,0	12,0	-	-
SWT 300 M	SWT 300	3	2,2	34,0	32,0	30,0	29,0	27,0	23,0	20,0	15,0	12,0	-

SWS DIMENSIONS



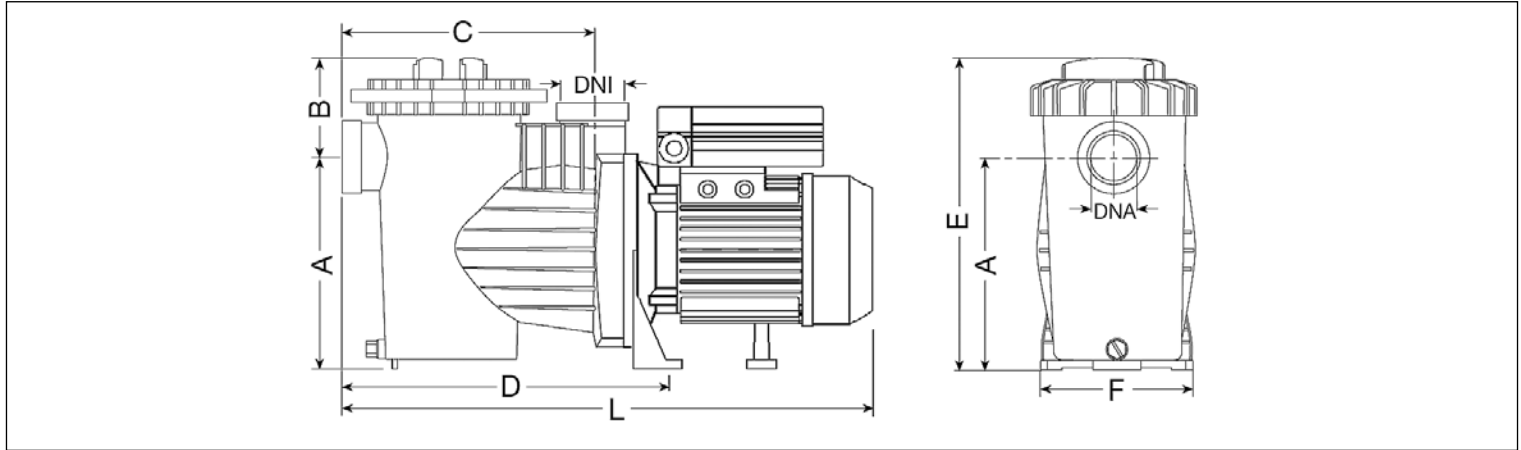
SWS DIMENSIONAL TABLE

Model	Dimensions [mm]										DNI	Weight [kg]
	A	B	C	D	E	F	G	H	I			
SWS 50 M	191	205	470	285	95	233	140	180	265	1"½	11,0	
SWS 75 M	191	205	470	285	95	233	140	180	265	1"½	12,6	
SWS 100 M	191	205	470	285	95	233	140	180	265	1"½	12,6	

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SWT DIMENSIONS



SWT DIMENSIONAL TABLE

Model	Dimensions [mm]									Weight [kg]
	A	B	C	D	E	F	L	DNA DNI		
SWT 75 M	216	109	265	370	325	206	550	2"	13,0	
SWT 75	216	109	265	370	325	206	550	2"	12,5	
SWT 100 M	216	109	265	370	325	206	550	2"	14,0	
SWT 100	216	109	265	370	325	206	550	2"	14,0	
SWT 150 M	216	109	265	370	325	206	580	2"	17,0	
SWT 150	216	109	265	370	325	206	580	2"	15,5	
SWT 200 M	216	109	265	370	325	206	650	2"	18,5	
SWT 200	216	109	265	370	325	206	575	2"	17,0	
SWT 300 M	216	109	265	370	325	206	650	2"	22,0	
SWT 300	216	109	265	370	325	206	650	2"	19,0	

ELECTRIC DATA TABLE

Model		P ₂		Efficiency		Capacitor		Absorbed current [A]		
Single phase 230V	Three phase 230/400V	[HP]	[kW]	Single phase	Three phase	Single phase μF	V _c	Single phase 230V	Three phase 230V 400V	
SWWS 50 M	-	0,5	0,33	-	-	14	450	3,5	-	-
SWWS 75 M	-	0,75	0,55	-	-	16	450	4,3	-	-
SWWS 100 M	-	1	0,75	-	IE2	20	450	5,5	-	-
SWT 75 M	SWT 75	0,75	0,55	-	-	16	450	4,75	3,1	1,8
SWT 100 M	SWT 100	1	0,75	-	IE2	20	450	5,5	3,8	2,2
SWT 150 M	SWT 150	1,5	1,1	-	IE2	31,5	450	7,3	5,0	2,9
SWT 200 M	SWT 200	2	1,5	-	IE2	31,5	450	9,2	6,0	3,5
SWT 300 M	SWT 300	3	2,2	-	IE2	40	450	12,2	8,6	5,0

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