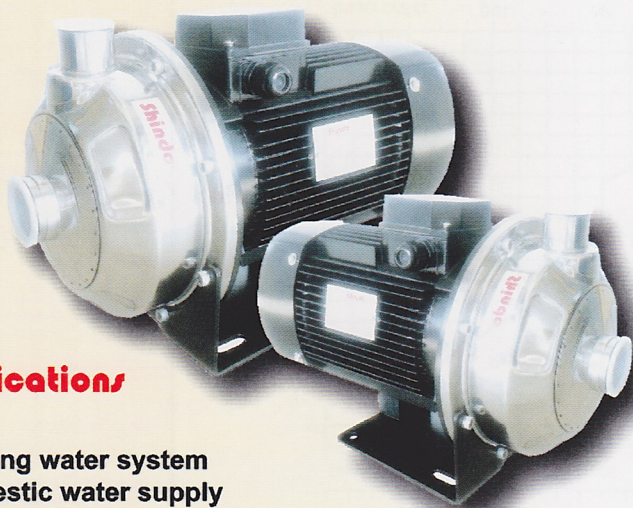


Horizontal Single Stage Monobloc Centrifugal Pumps



Applications

- Cooling water system
- Domestic water supply
- Sprinkler systems
- Agriculture
- Booster & circulation systems
- Water treatment

Liquids pumped:

304 range: clear non-aggressive liquids (drinking water, clean water, etc)

* 316 range: Chemical (sea water, chlorinated water, etc)

(* By Special Request.)

Operating limits

- Flow rates up to: 27m³/h
- Head up to: 28m
- Max operating pressure: 8bar
- Water temperature: -10°C to 85°C (110°C on request)
- Max ambient temperature: ±50°C

Design

Hydraulic parts

All stainless steel horizontal single stage monobloc non self-priming pump with axial suction, vertical discharge threaded connections. (NPT on request)

Impeller mounted directly on the motor shaft extension suitable for continuous duty.

Electric motor

The pump is coupled with a totally enclosed, fan-cooled squirrel-cage aluminium casing motor and built-in thermal overload units.

Enclosure class: IP55

Speed: 2900rpm

Insulation class: F

Standard voltage: 1x220-240V, 50hz

3x220-240/380-415v, 50hz

Sound level: <65dB(A)

NEMA motor on request



Model Code

SMS S 250 / 1.5

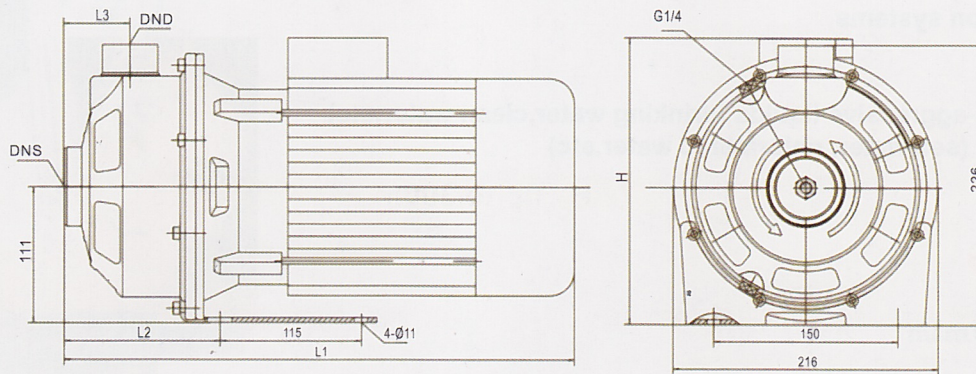
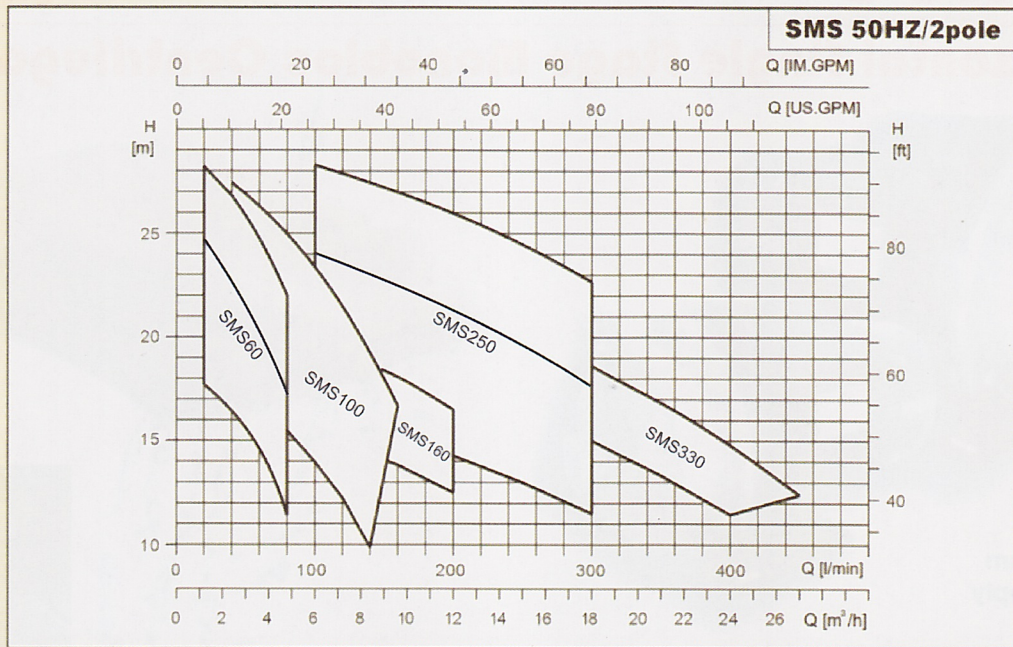
Motor power(kw)

Capacity in best efficiency point(L/Min)

60HZ

Monobloc single stage centrifugal pump (50HZ)

Selection Charts



50HZ

Dimensions and Weight

Model	Electric motor		L1	L2	L3	H	DNS	DND	Weight
	Phase	Power(kW)	mm			3ph/1ph	Suction	Discharge	
SMS60/0.37	Three / Single	0.37	328	113	51	216 / 230	G1 1/4	G1	10
SMS60/0.55		0.55	328	113	51	216 / 230	G1 1/4	G1	12
SMS60/0.75		0.75	361	113	51	223 / 245	G1 1/4	G1	14
SMS100/0.55		0.55	328	113	51	216 / 230	G1 1/4	G1	12
SMS100/1.1		1.1	361	113	51	223 / 245	G1 1/4	G1	16
SMS160/0.75		0.75	375	127	54	223 / 245	G1 1/2	G1 1/4	14
SMS160/1.1		1.1	375	127	54	223 / 245	G1 1/2	G1 1/4	16
SMS250/1.1		1.1	375	127	54	223 / 245	G1 1/2	G1 1/4	16
SMS250/1.5		1.5	415	127	54	232 / 253	G1 1/2	G1 1/4	20
SMS250/2.2		2.2	415	127	54	232 / 253	G1 1/2	G1 1/4	23
SMS330/1.5		1.5	415	127	54	232 / 253	G2	G1 1/4	20
SMS330/2.2		2.2	415	127	54	232 / 253	G2	G1 1/4	23

Operating Table (50HZ)

Model	Power (kW)	H:(m)	Q:(l/min)	20	40	60	80	100	120	140	160	200	250	300	330	350	400	450
			Q:(m³/h)	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24	27
SMS60/0.37	0.37			17.7	16.4	14.6	11.4											
SMS60/0.55	0.55			22.7	21.3	19.5	16.2											
SMS60/0.75	0.75			28.2	26.8	25	22											
SMS100/0.55	0.55				17.8	16.7	15.4	14	12.2	9.9								
SMS100/1.1	1.1				27.4	26.3	25	23.4	21.5	19.5	16.7							
SMS160/0.75	0.75					15.5	15.3	15	14.8	14.3	13.8	12.5						
SMS160/1.1	1.1					19.7	19.5	19.3	19.1	18.7	18.2	16.5						
SMS250/1.1	1.1							15.8	15.6	15.4	15	14.3	13	11.5				
SMS250/1.5	1.5							23.2	23	22.7	22.2	21.4	19.8	17.7				
SMS250/2.2	2.2							28.2	27.8	27.5	27	26.2	24.6	22.6				
SMS330/1.5	1.5								18.8	18.7	18.5	17.8	16.7	15	14	13.5	11.6	
SMS330/2.2	2.2								22.5	22.2	22	21.5	20.3	18.7	17.5	16.8	14.8	12.3