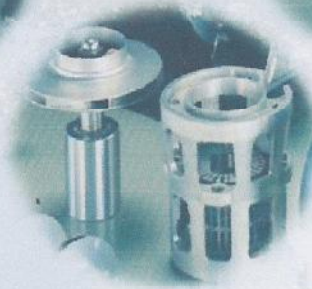




SMS Series
Horizontal Single Stage Monobloc
Centrifugal Pump



50HZ



Horizontal Single Stage Monobloc Centrifugal Pumps

APPLICATIONS

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

Liquids pumped:

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

316 range: aggressive liquids (seawater, chlorinated water, etc)

OPERATING LIMITS

- * Flow rates up to: 28m³/h
- * Head up to: 40m
- * Max operating pressure: 8bar
- * Max suction pressure: 4bar
- * 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 not 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 aluminum casing motor built-in thermal overload units.

Enclosure class: IP55

Speed: 2900rpm or 3500rpm

Insulation class: F

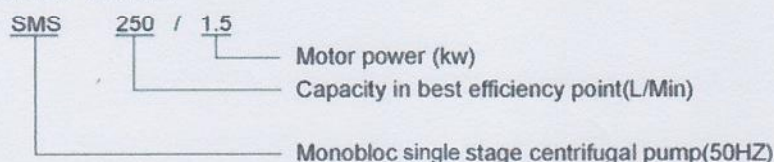
Standard voltage: 1x220-240V, 50hz or 60hz

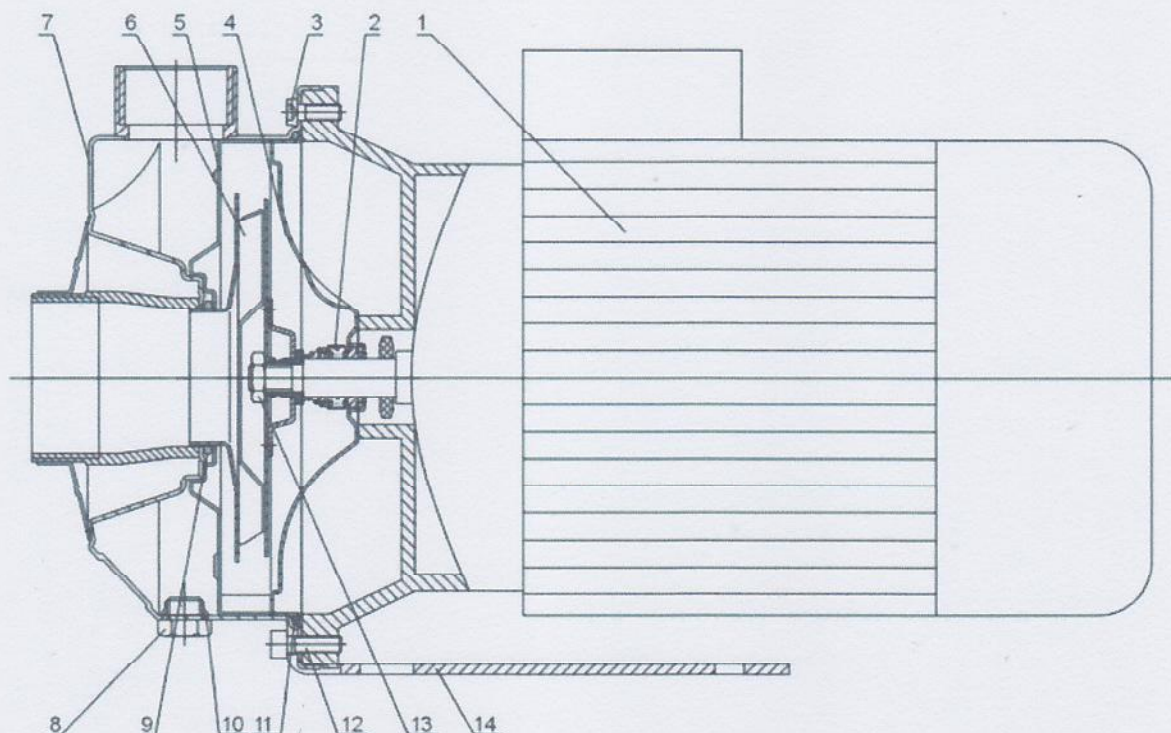
3x220-240/380-415V, 50hz or 60hz

Sound level: <65dB(A)

NEMA motor on request

MODEL CODE

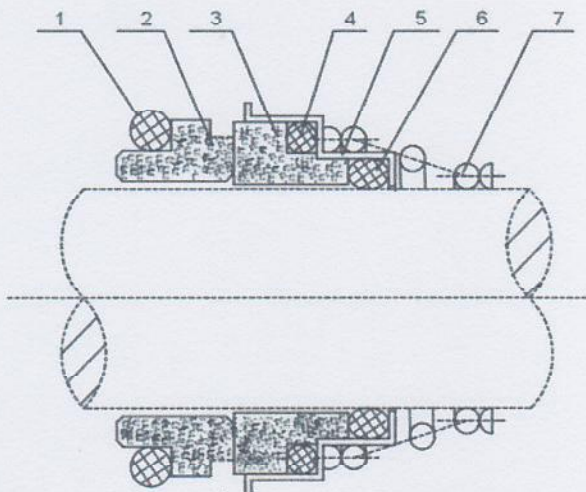




Part No	Name	Material	AISI
1	Electric motor		
※ 2	Mechanical seal	Ceramic/Carbon	
3	Screw M6X15	Stainless steel	AISI304
4	Seal base	Stainless steel	AISI304
※ 5	Diffuser	Stainless steel	AISI304
※ 6	Impeller	Stainless steel	AISI304
7	Casing	Stainless steel	AISI304
8	Vent	Stainless steel	AISI304
※ 9	O-ring	EPDM	
※ 10	O-ring	EPDM	
※ 11	O-ring	EPDM	
12	Screw M6X20	Stainless steel	AISI304
13	Nut M10	Stainless steel	AISI304
14	Base	Steel	A570

※ Recommended Spare parts
316 Stainless steel for the pump on request.



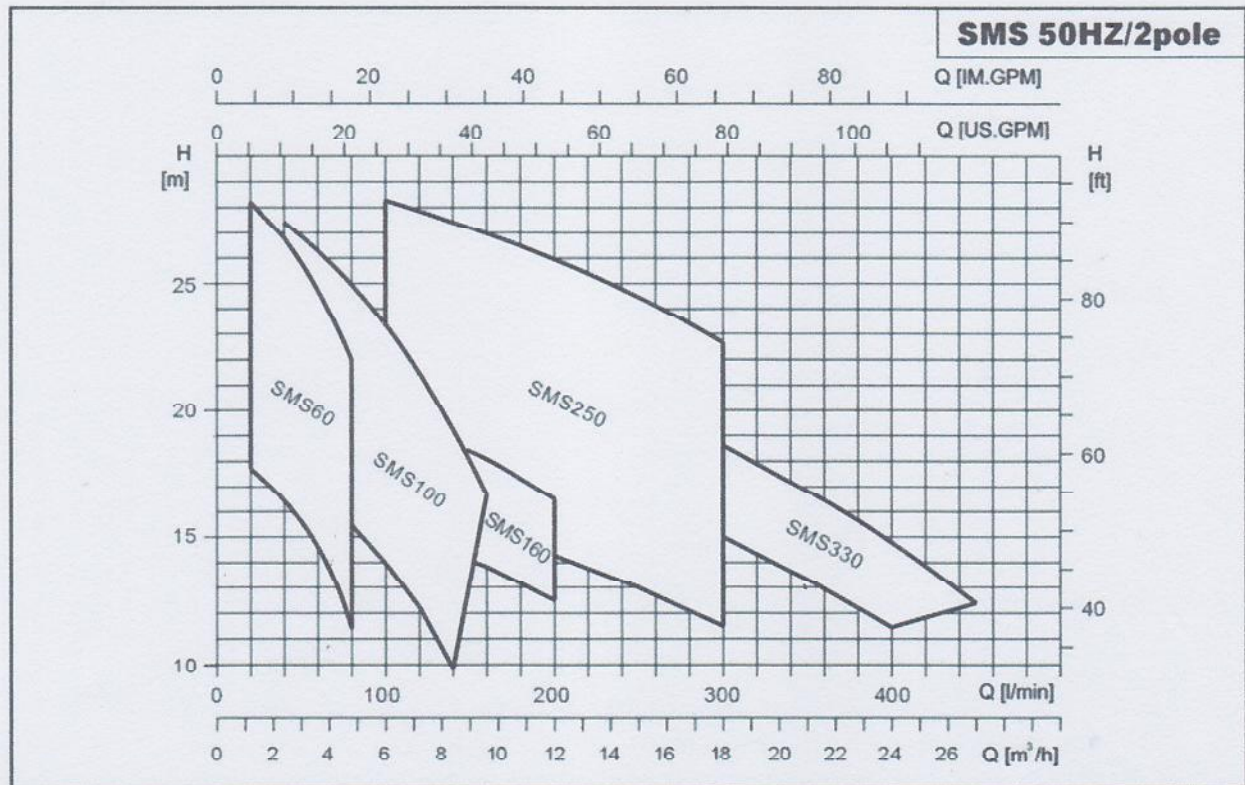


No	Name	Qty	Material
1	O-ring	1	NBR or FPM
2	Stationary seats	1	Carbon
3	Seal faces	1	Ceramic
4	O-ring	1	NBR or FPM
5	Seal faces base	1	S.S
6	O-ring	1	NBR or FPM
7	Spring	1	S.S

OPERATING TABLE(50HZ)

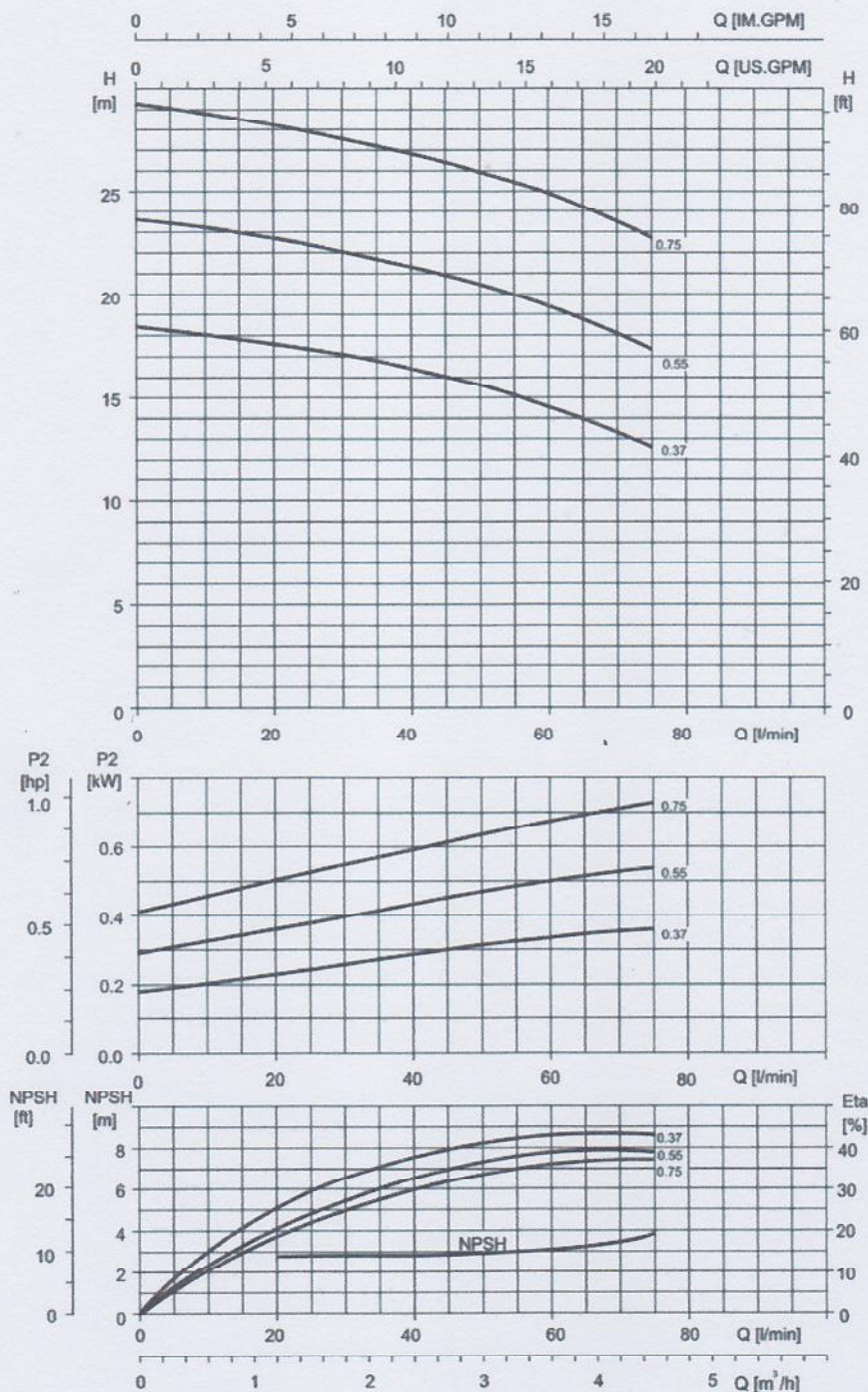
Model	Power (kW)	Q: (l/min) Q: (m ³ /h)	20	40	60	80	100	120	140	160	200	250	300	330	350	400	450
			1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24	27
SMS60/0.37	0.37	H:(m)	17.7	16.4	14.6	11.4											
SMS60/0.55	0.55		22.7	21.3	19.5	16.2											
SMS60/0.75	0.75		28.2	26.8	25	22											
SMS100/0.55	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





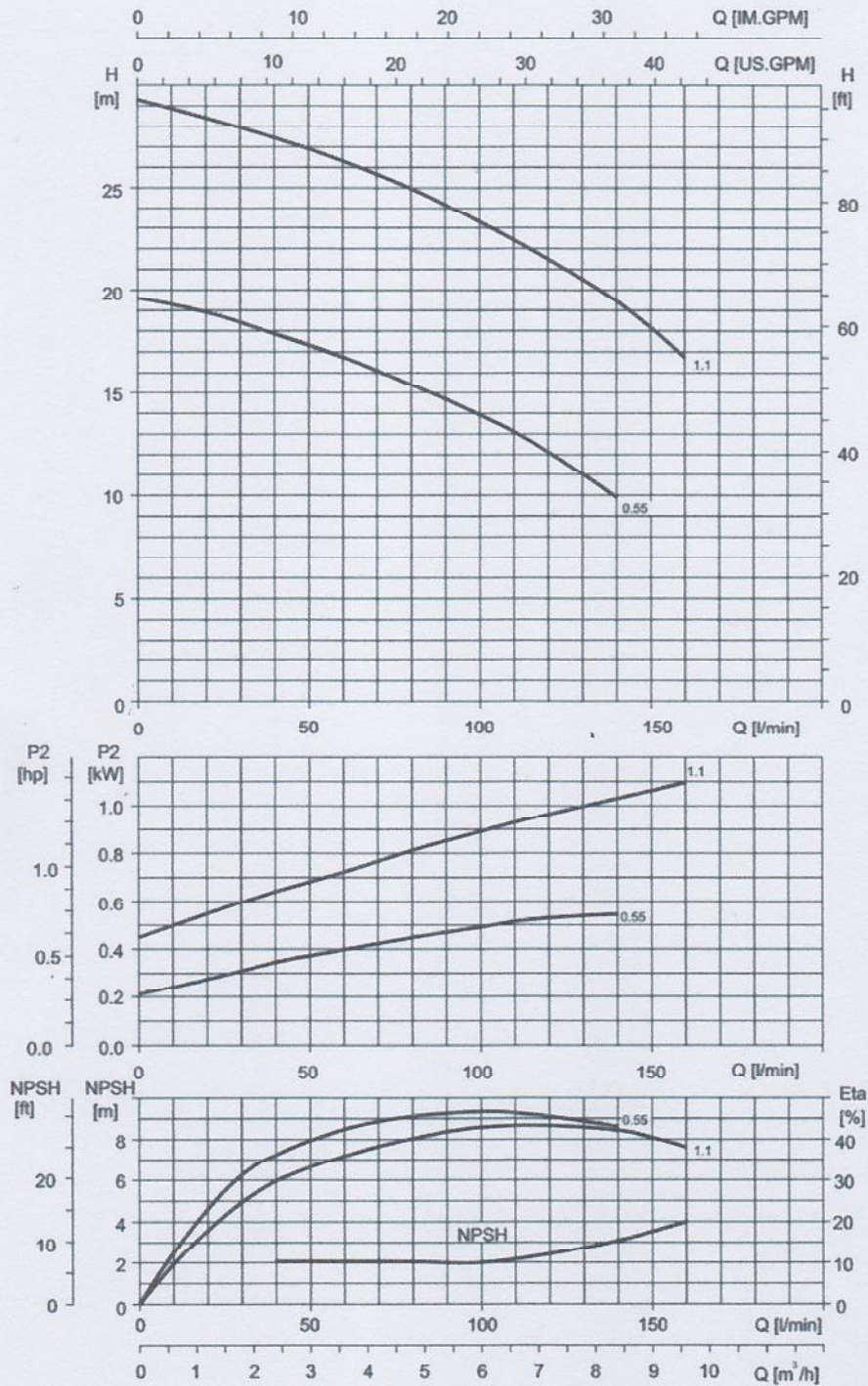
SMS60

50Hz 2900rpm ISO2548 AnnexB



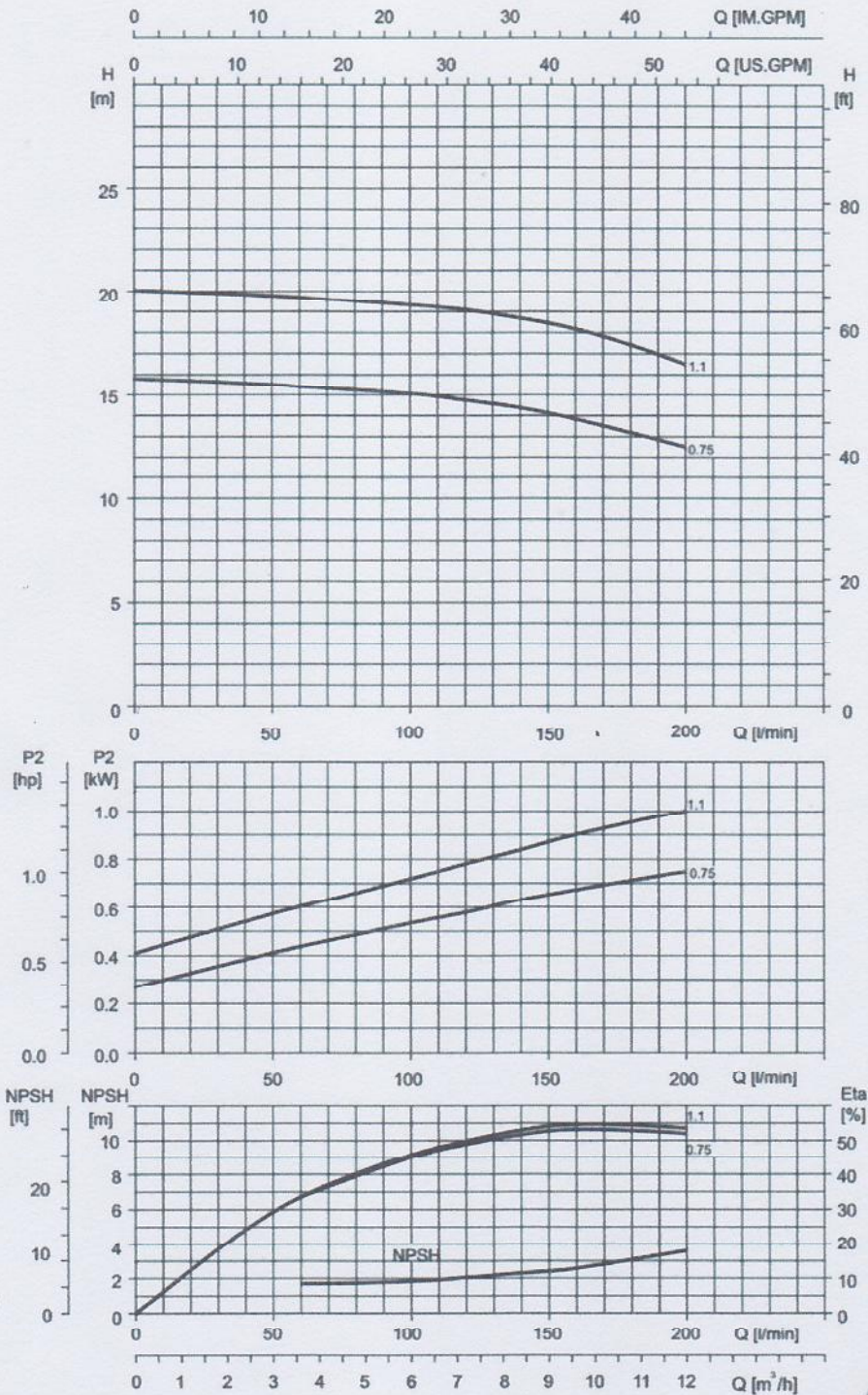
SMS100

50HZ 2900rpm ISO2548 AnnexB



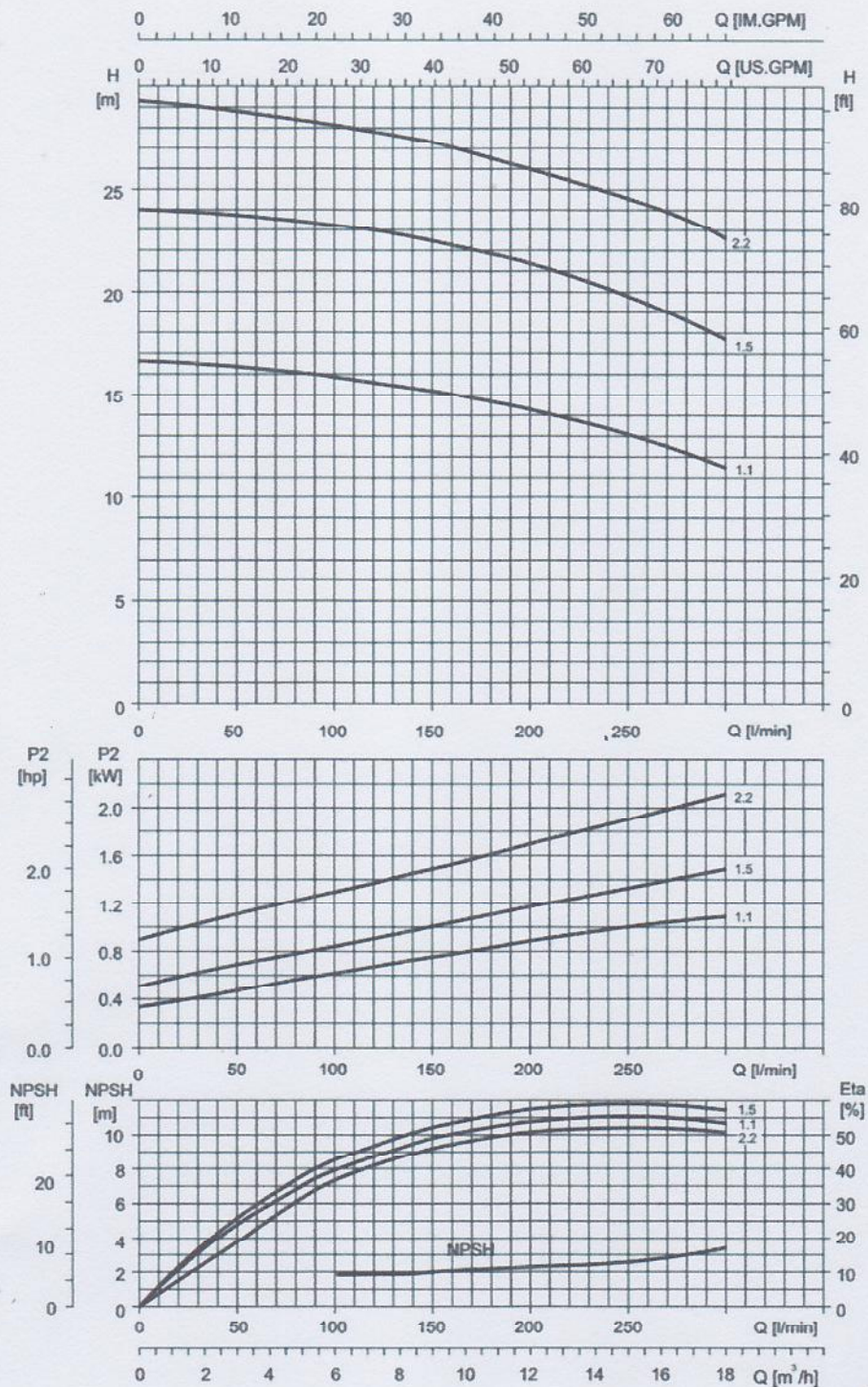
SMS160

50HZ 2900rpm ISO2548 AnnexB



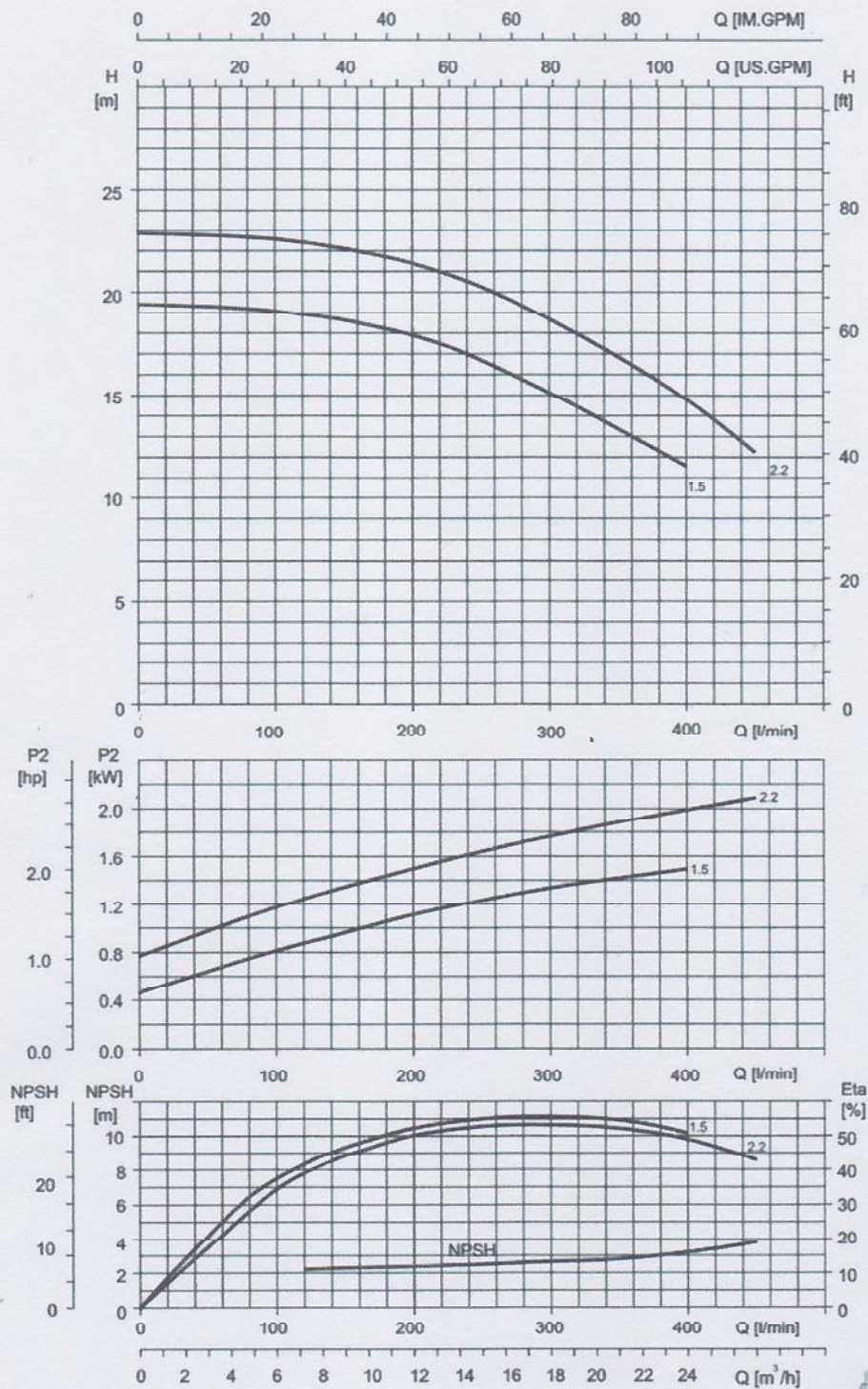
SMS250

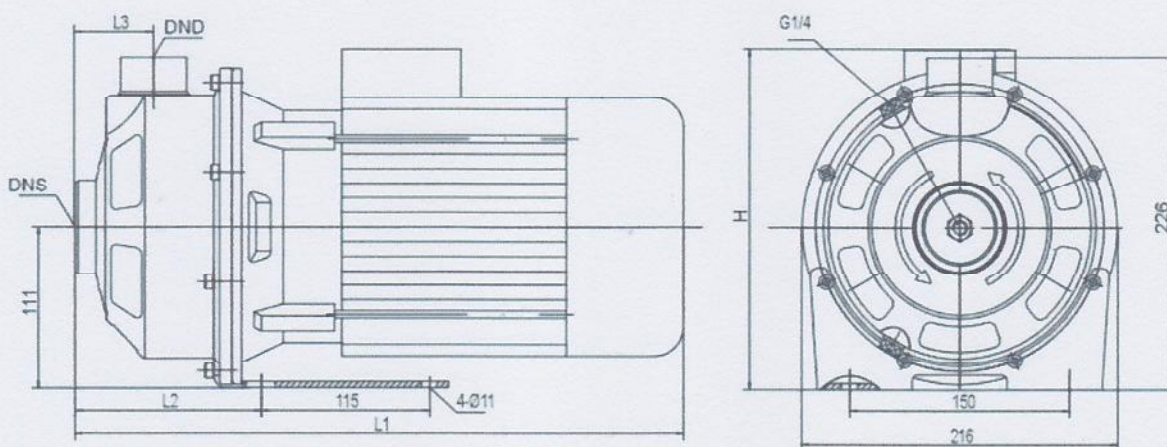
50HZ 2900rpm ISO2548 AnnexB



SMS330

50HZ 2900rpm ISO2548 AnnexB





50HZ

Model	Electric motor		L1	L2	L3	H	DNS	DND	Weight
	Phase	Power(kW)	mm			3ph/1ph	Suction	Discharge	kg
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

60HZ

Model	Electric motor		L1	L2	L3	H	DNS	DND	Weight
	Phase	Power(kW)	mm			3ph/1ph	Suction	Discharge	kg
SMSS100/0.75	Three / Single	0.75	361	113	51	223 / 245	G1 1/4	G1	14
SMSS100/1.1		1.1	361	113	51	223 / 245	G1 1/4	G1	16
SMSS100/1.5		1.5	401	113	51	232 / 253	G1 1/4	G1	18
SMSS160/1.1		1.1	375	127	54	223 / 245	G1 1/2	G1 1/4	16
SMSS160/1.5		1.5	415	127	54	232 / 253	G1 1/2	G1 1/4	20
SMSS160/2.2		2.2	415	127	54	232 / 253	G1 1/2	G1 1/4	23
SMSS250/1.1		1.1	375	127	54	223 / 245	G1 1/2	G1 1/4	16
SMSS250/1.5		1.5	415	127	54	232 / 253	G1 1/2	G1 1/4	20
SMSS250/2.2		2.2	415	127	54	232 / 253	G1 1/2	G1 1/4	23
SMSS330/1.5		1.5	415	127	54	232 / 253	G2	G1 1/4	20
SMSS330/2.2		2.2	415	127	54	232 / 253	G2	G1 1/4	23

