

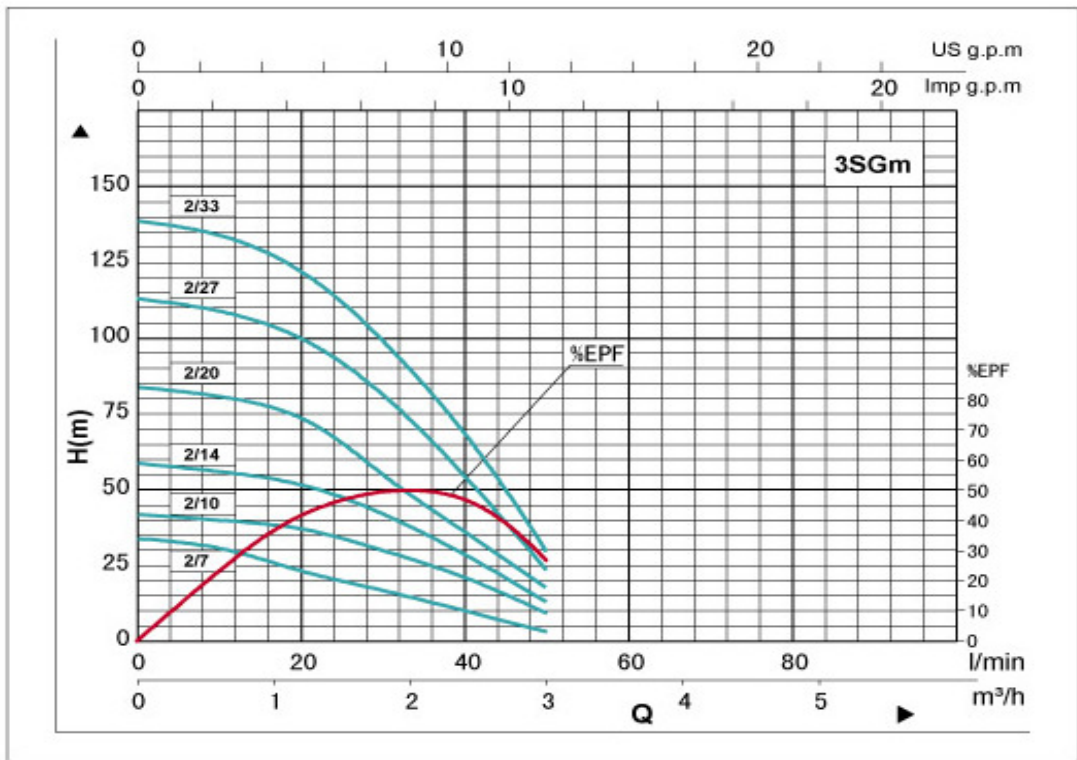
# 3" SUBMERSIBLE BOREHOLE PUMPS



Model	Power		Flow											
	kW	HP	M <sup>3</sup> /h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
Single-Phase			L/min	0	5	10	15	20	25	30	35	40	45	50

3SGm2/10	0.25	0.33	H(m)	42	41	41	39	37	34	30	26	21	15	9
3SGm2/14	0.37	0.50		59	57	57	55	52	48	42	36	29	20	13
3SGm2/20	0.55	0.75		84	82	81	78	74	68	60	52	41	29	18
3SGm2/27	0.75	1		113	111	109	105	100	92	81	70	55	39	24

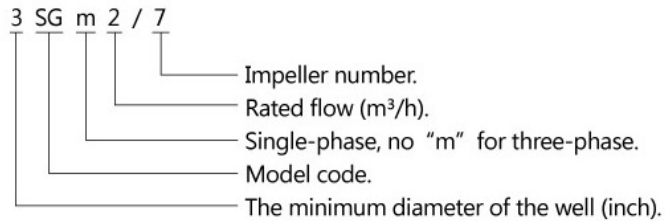
## Hydraulic Performance Curve



## Material

- ♦ Pump body: Stainless steel.
- ♦ Motor bracket: Stainless steel.
- ♦ Pump shaft & motor shaft: Stainless steel.
- ♦ Mechanical seal: Graphite-Silicon carbide.
- ♦ Impeller: POM.
- ♦ Coupling and outlet: Brass.

## Model Definition



## Application

- ♦ For pumping clean water with sand content less than 150g/m<sup>3</sup>.
- ♦ For well pumping, river pumping, farm irrigation, water supply, mining, drainage in breeding industry.

## Operating Conditions

- ♦ Submersible depth: 70m.
- ♦ Liquid temperature up to +40°C.
- ♦ Ambient temperature up to +40°C.
- ♦ Max. sand content: 150g/m<sup>3</sup>.
- ♦ Min. well diameter: 3" .

## Motor and Pump

- ♦ 2 pole induction motor.
- ♦ Single-phase: 220V, 50Hz.
- ♦ Submersible motor in oil bath.
- ♦ Insulation: Class B.
- ♦ Protection: IP X8.
- ♦ Outlet diameter: 1" .

