

SCM 4 HF 400

4" MULTISTAGE CENTRIFUGAL SUBMERSIBLE PUMPS COMPLETE WITH MOTOR



SCM 4HF 400 high flow rate submersible pumps consist of a multistage hydraulic end directly connected to a submersible motor. Especially suitable for pumping from deep Ø 4" (100 mm) wells

- **BUILT TO DELIVER LONG TERM, TROUBLE-FREE SERVICE**
- **HIGH HYDRAULIC EFFICIENCY**
- **HIGH FLOW**

Motor

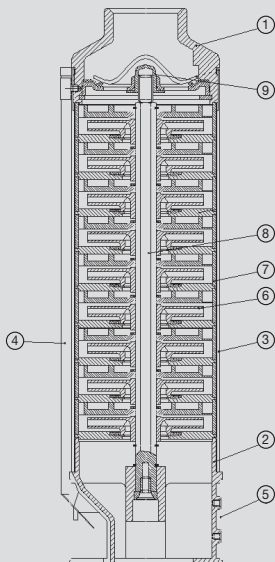
- 4" submersible motor
- Special resin impregnated sealed stator
- Water-cooled thrust bearings and bushes
- Approx. 1,5 m extendible power supply cable
- Non-polluting water cooling
- 4" NEMA flange
- Level of protection IP58
- Class B insulation
- Speed of rotation 2850 rpm
- Special mechanical seal with sand guard
- Pressure compensation diaphragm
- Supplied without capacitor (single phase version)
- Suitable for continuous use
- Electrical control panel on request

Applications

- Pumping of water from drilled wells
- Automatic systems for garden irrigation
- Surface irrigation for agricultural use
- Drinking water systems
- Pumping and supply of stored deposits or of booster autoclaves for civil and industrial systems
- Heat pumps

Usage limitations

- Type of liquid: clean, non aggressive, non-explosive, free of solids
- Maximum liquid temperature 30° C
- Max. start-ups per hour 20
- Motor protection with thermal relay provided by the user

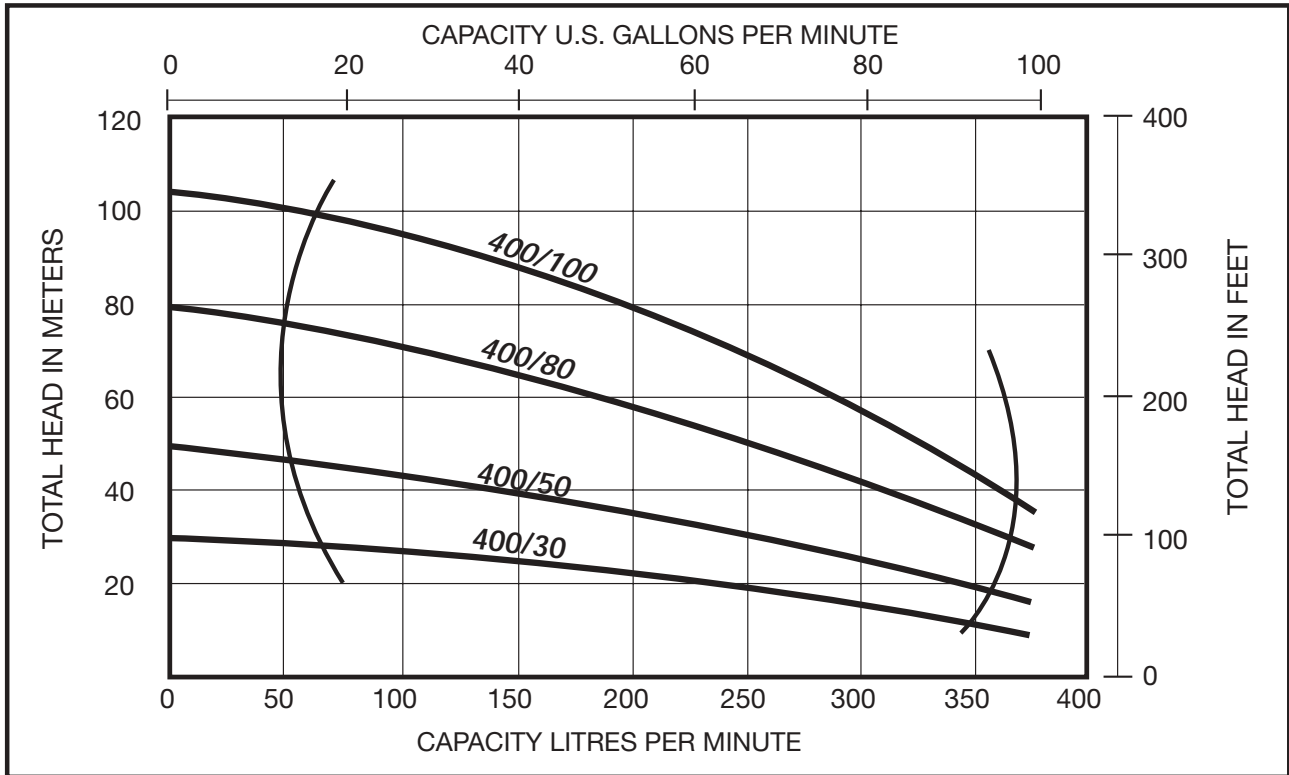


DESIGN FEATURES

Component	Material
1 Outlet	300 grades stainless steel - 2" BSP
2 Suction flange	Microcast stainless steel (300 grades)
3 Pump casing	300 grades stainless steel
4 Cable protection trough	300 grades stainless steel
5 Filter	300 grades stainless steel
6 Impeller	20% fibreglass reinforced Polycarbonate
7 Diffusor	20% fibreglass reinforced Noryl® Thrust ring inserted in every stage
8 Motor shaft (hydraulic end)	Hexagonal in stainless steel (300 grades)
9 Delivery bearing	Acetal resin and stainless steel (produced with self lubricating closed bushing)
- Intermediate bearing	Acetal resin and stainless steel

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TABLE OF HYDRAULIC PERFORMANCE



PUMP PERFORMANCE

CODE	MODEL	Motor Power		VOLTAGE	Amp.	μF.	N' stages	Q	L/1' m ³ /h	100	150	200	250	300	350
		HP	kW							6	9	12	15	15	21
N3186090	SCM4HF 400/30 M	2	1,5	1 ~ 230 V	9,9	50	7	Discharge head in meters	27,4	25	22,2	19,5	15,5		
N3186100	SCM4HF 400/30 T			3 ~ 400 V	4										
N3186110	SCM4HF 400/50 T	3	2,2	3 ~ 400 V	5,9	11	43			39,2	35,5	31,1	25,1	19,2	
N3186120	SCM4HF 400/80 T	5,5	4	3 ~ 400 V	10	18	71			65	57,7	50,3	42,2	32,6	
N3186130	SCM4HF 400/100 T	7,5	5,5	3 ~ 400 V	13,7	23	96,3			88,8	80	69,6	57,7	43	

DIMENSIONS AND WEIGHTS

MODEL	Dimension mm.				Weight		
	A Total length	B Motor length	C Pump length	DNM	total kg	motor kg	pump kg
SCM4HF 400/30 M	914	384	530	2" BSP	21,5	14,5	7
SCM4HF 400/30 T	857	327	530	2" BSP	19	12	7
SCM4HF 400/50 T	1036	356	680	2" BSP	21,5	13,5	8
SCM4HF 400/80 T	1664	584	1080	2" BSP	33	24	9
SCM4HF 400/100 T	2258	698	1560	2" BSP	39,4	29,4	10

