



Three-phase
SF...

Single-phase, floating switch
SFm...F

RANGE CHARACTERISTICS

Power P2	0.37 – 9.2 kW
Max. flow rate	54 m³/h (900 l/min)
Max. head	60.6 m
Speed	$n \approx 2850$ /min (2 poles)
Frequency	50 Hz
Single-phase	1~ 220–240 V 50 Hz
Three-phase	3~ 380–415 V 50 Hz
Models	12 (three-phase), 8 (single-phase)

APPLICATIONS

- For water supply from wells or reservoirs.
- For domestic use, for civil and industrial applications.
- For garden use and irrigation.

OPERATING CONDITIONS

- Maximum fluid temperature up to +40 °C
- Maximum sand content: 0.1 %

MOTOR AND PUMP

- Rewindable motor
- Single-phase: 1~ 220–240 V 50 Hz
- Three-phase: 3~ 380–415 V 50 Hz
- Can be equipped with a floating switch (single-phase models, suffix F)

OPTIONS ON REQUEST

- Special mechanical seal
- Other voltages

RANGE OVERVIEW

MODEL 1~	MODEL 3~	P2 kW	P2 HP	Q max m³/h	H max m
SFm6-15-0.37F	SF6-15-0.37	0.37	0.5	9	17.4
SFm6-18-0.55F	SF6-18-0.55	0.55	0.75	9	20.2
SFm6-22-0.75F	SF6-22-0.75	0.75	1	12	24.4
SFm6-25-1.1F	SF6-25-1.1	1.1	1.5	15	27.5
SFm10-28-1.5F	SF10-28-1.5	1.5	2	15	31.9
SFm10-32-1.9F	SF10-32-1.9	1.9	2.5	18	36.7
SFm15-32-2.2F	SF15-32-2.2	2.2	3	30	37.4
SFm15-40-3F	SF15-40-3	3	4	30	41
–	SF20-40-4	4	5.5	36	46.4
–	SF27-50-5.5	5.5	7.5	48	57.9
–	SF27-55-7.5	7.5	10	54	58.5
–	SF35-55-9.2	9.2	12.5	54	60.6

MODEL CODE

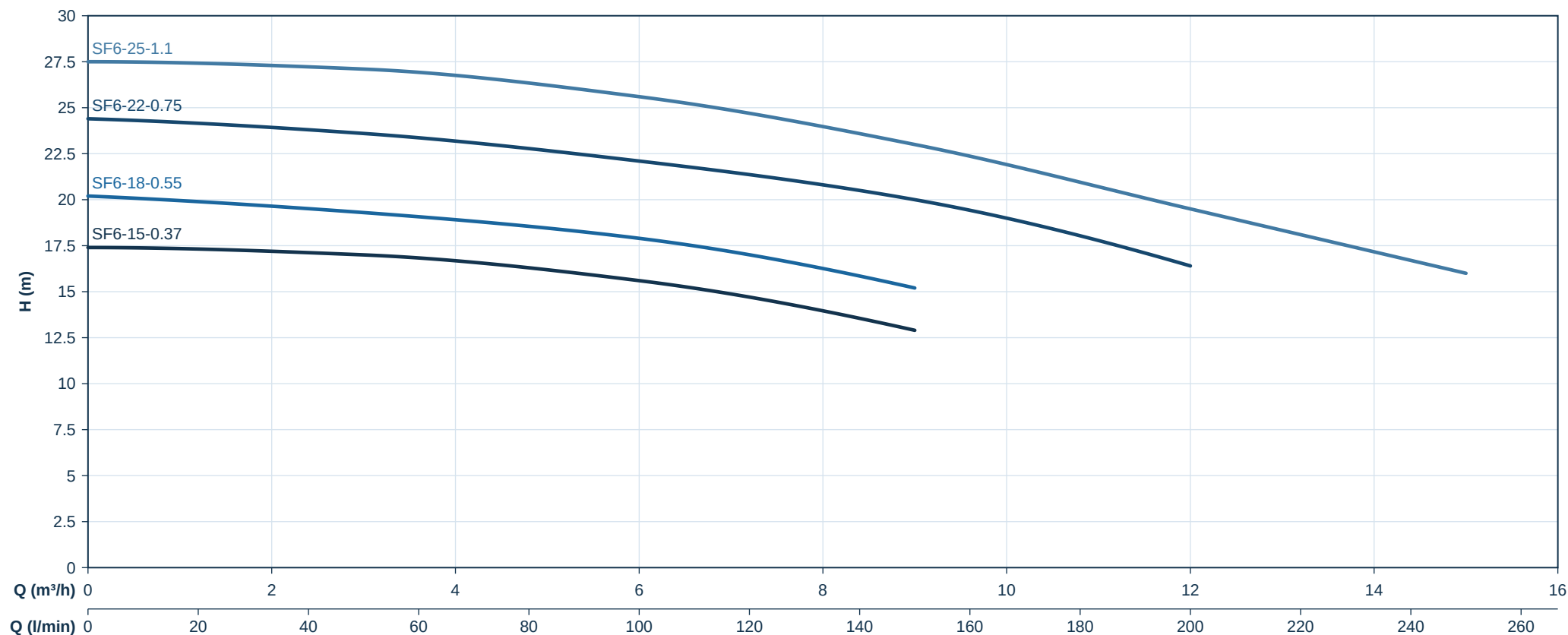
SF	m	6	22	0.75	F
Model	Single-phase	Capacity (m³/h)	Head (m)	Power (kW)	Floating switch

Example: SFm6-22-0.75F · three-phase models without "m"

MATERIALS

COMPONENT	MATERIAL
Impeller	Cast aluminium
Strainer	AISI 304 stainless steel
Motor external casing	AISI 304 stainless steel
Top cover	AISI 304 stainless steel
Mechanical seal	Graphite / ceramic
Seal lubricant oil	Oil for food machinery and pharmaceutical use

PERFORMANCE CURVES · 0.37 – 1.1 kW

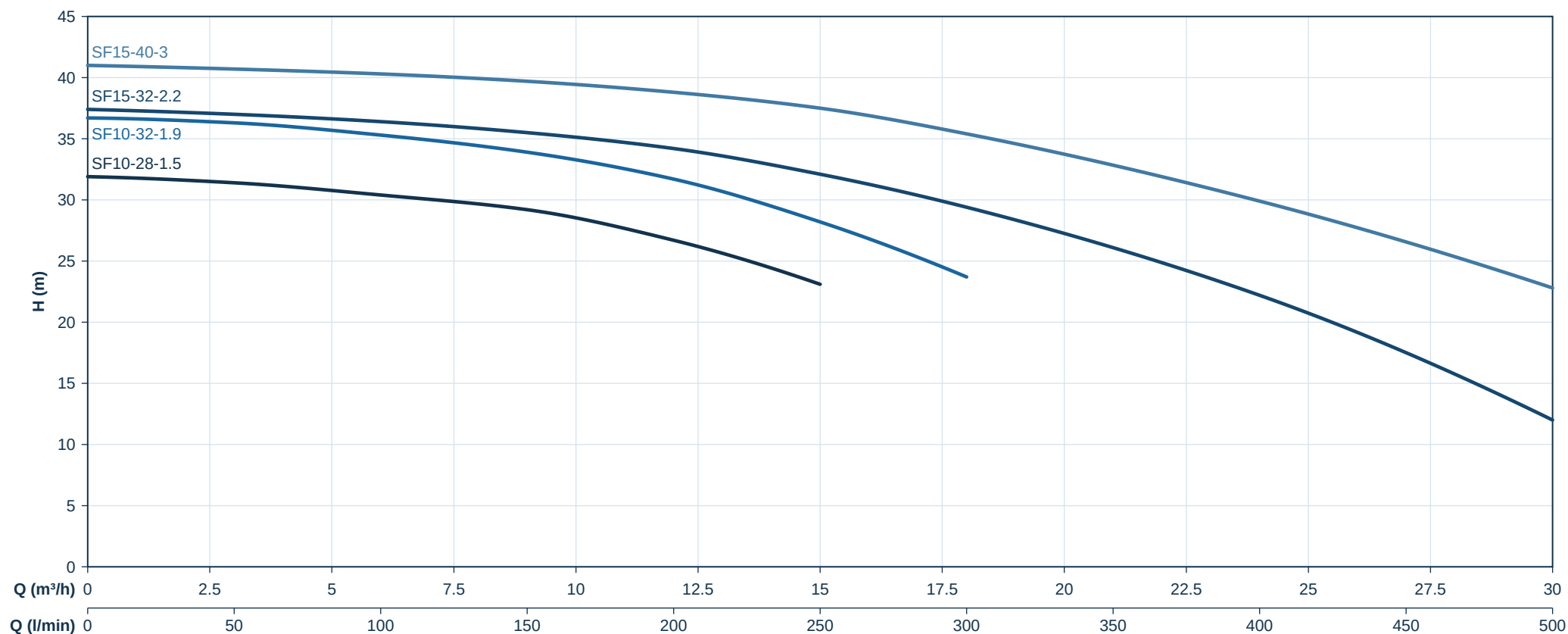


Curves at 50 Hz, 2 poles (≈ 2850 min⁻¹), clean water at 20 °C, kinematic viscosity 1 mm²/s. Typical values, not guaranteed.

PERFORMANCE DATA

Model 1~	Model 3~	P2 kW	P2 HP	Q (m³/h)	0	3	6	9	12	15
				Q (l/min)	0	50	100	150	200	250
SFm6-15-0.37F	SF6-15-0.37	0.37	0.5	H (m)	17.4	17	15.6	12.9		
SFm6-18-0.55F	SF6-18-0.55	0.55	0.75		20.2	19.3	17.9	15.2		
SFm6-22-0.75F	SF6-22-0.75	0.75	1		24.4	23.6	22.1	20	16.4	
SFm6-25-1.1F	SF6-25-1.1	1.1	1.5		27.5	27.1	25.6	23	19.5	16

PERFORMANCE CURVES · 1.5 – 3 kW

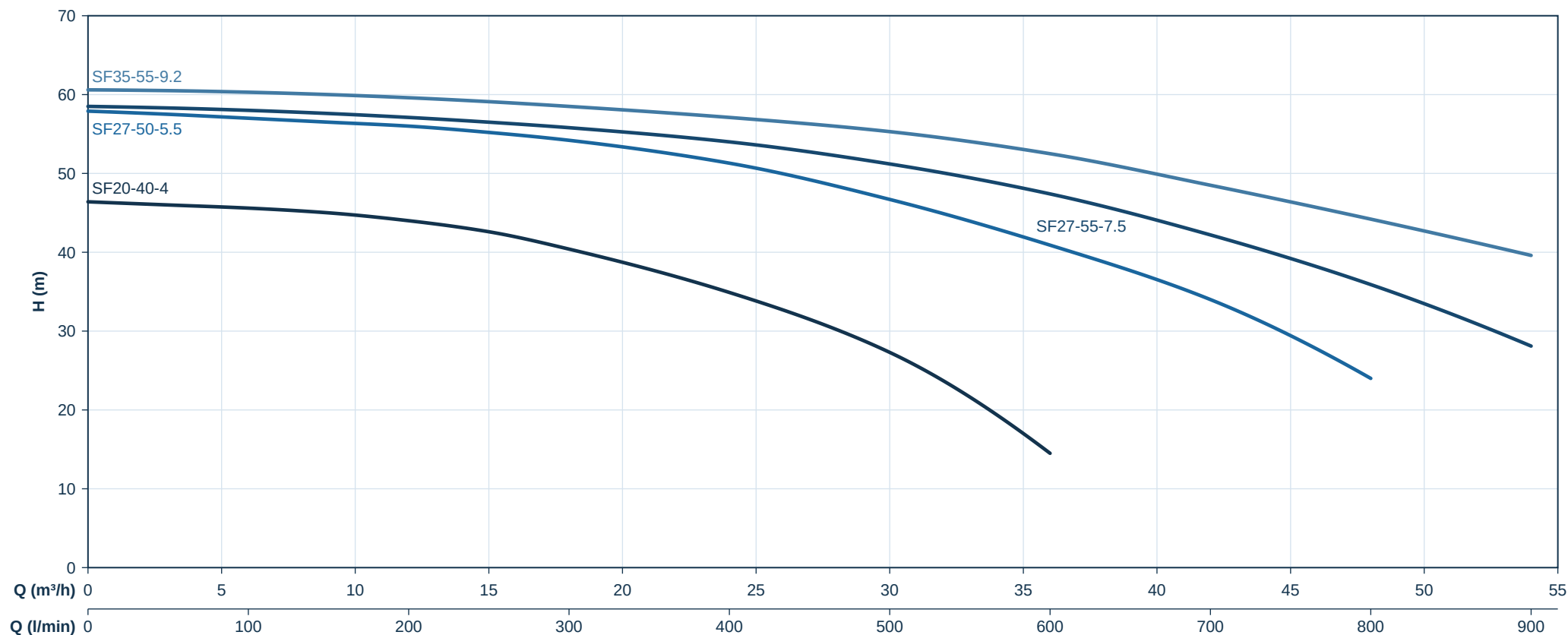


Curves at 50 Hz, 2 poles ($\approx 2850 \text{ min}^{-1}$), clean water at 20°C , kinematic viscosity $1 \text{ mm}^2/\text{s}$. Typical values, not guaranteed.

PERFORMANCE DATA

Model 1~	Model 3~	P2 kW	P2 HP	Q (m^3/h) Q (l/min)	0	3	6	9	12	15	18	24	30
					0	50	100	150	200	250	300	400	500
SFm10-28-1.5F	SF10-28-1.5	1.5	2	H (m)	31.9	31.4	30.4	29.2	26.7	23.1			
SFm10-32-1.9F	SF10-32-1.9	1.9	2.5		36.7	36.3	35.3	33.9	31.7	28.2	23.7		
SFm15-32-2.2F	SF15-32-2.2	2.2	3		37.4	37	36.4	35.5	34.2	32.1	29.4	22.2	12
SFm15-40-3F	SF15-40-3	3	4		41	40.7	40.3	39.7	38.8	37.5	35.4	29.9	22.8

PERFORMANCE CURVES · 4 – 9.2 kW



Curves at 50 Hz, 2 poles (≈ 2850 min⁻¹), clean water at 20 °C, kinematic viscosity 1 mm²/s. Typical values, not guaranteed.

PERFORMANCE DATA

Model 3~	P2 kW	P2 HP	Q (m³/h)	0	3	6	9	12	15	18	24	30	36	42	48	54
			Q (l/min)	0	50	100	150	200	250	300	400	500	600	700	800	900
SF20-40-4	4	5.5	H (m)	46.4	46	45.6	45	44	42.6	40.4	34.9	27.3	14.5			
SF27-50-5.5	5.5	7.5		57.9	57.5	57	56.5	56	55.2	54.2	51.3	46.7	40.9	34	24	
SF27-55-7.5	7.5	10		58.5	58.3	58	57.6	57.1	56.5	55.8	54	51.2	47.4	42.2	35.9	28.1
SF35-55-9.2	9.2	12.5		60.6	60.5	60.3	60	59.6	59.1	58.5	57.1	55.3	52.5	48.5	44.2	39.6