



4" - 5" peripheral submersible pumps (with anti-seize impeller housing)

This new series of submersible pumps is fitted with a patented anti-seize system (ensuring pump operation, even after being left idle for long periods), an oversized motor in a biodegradable, non-toxic, alimentary quality oil bath.



PERFORMANCE RANGE

Flow rate up to 80 l/min (4.8 m³/h)
Dynamic head up to 77 m

OPERATING LIMITS

Maximum operating depth 40 m
Maximum fluid temperature + 40°C

CONSTRUCTION AND SAFETY STANDARDS:

EN 60 335-1
IEC 335-1
CEI 61-150

EN 60034-1
IEC 34-1
CEI 2-3



PUMP INSTALLATION AND APPLICATIONS

SK pumps should be used in clean water not containing abrasive substances. THEIR DEPENDABILITY AND ECONOMICAL NATURE MAKE THEM PARTICULARLY SUITABLE FOR DOMESTIC USE, ESPECIALLY FOR THE AUTOMATIC DISTRIBUTION OF WATER WORKING IN CONJUNCTION WITH SMALL SURGE TANKS AND FOR GARDENING IN GENERAL, ETC.. SK pumps can be installed in wells with a diameter of no less than 4" (100 mm) for 4SK and 5" (125 mm) for 5SK. The pump is lowered into the well by means of the delivery pipe until it is completely immersed (min. 50 cm, and at least one meter from the bottom of the well) even when working, as pump operation may obviously cause the level of the

liquid in the well to fall. It is advisable to secure the pump using a stainless steel or nylon cable connected to the special holes on the discharge head.

WARRANTY: 1 YEAR

(according to our general sales conditions).

STRUCTURAL CHARACTERISTICS

- **DISCHARGE HEAD:** with anti-seize impeller housing (patented) in brass/stainless steel.
- **IMPELLER:** brass, with radial peripheral blades.
- **MOTOR SLEEVE:** AISI 304 stainless steel.
- **MOTOR SHAFT:** AISI 416 stainless steel (AISI 430F for 5SK).
- **MOTOR:** completely removable and rewindable enclosed induction motor, in oil bath, with built-in thermal cutout relay (motor protector) to allow for considerable supply voltage fluctuations, ensures continuous operation at the maximum power required by the pump, cooled externally by the liquid being pumped. INSULATION class F.
- **PROTECTION:** IP 68.
- **CONTROL BOX:** with capacitor, bipolar switch and overload cutout with manual reset supplied as standard. Protection IP 64.
- **SUPPLY CABLE:** 10 meters "H07 RN-F" neoprene submersible with removable connector.
- **CHECK VALVE:** incorporated in the pump body.

4SKm 100

- EXTERNAL DIAMETER 96 mm for 4" wells.
- 1" UNI ISO 228/1 gas DELIVERY OPENING.
- graphite/alumina MECHANICAL SEAL.

5SKm 100, 5SKm 100M, 5SKm 150

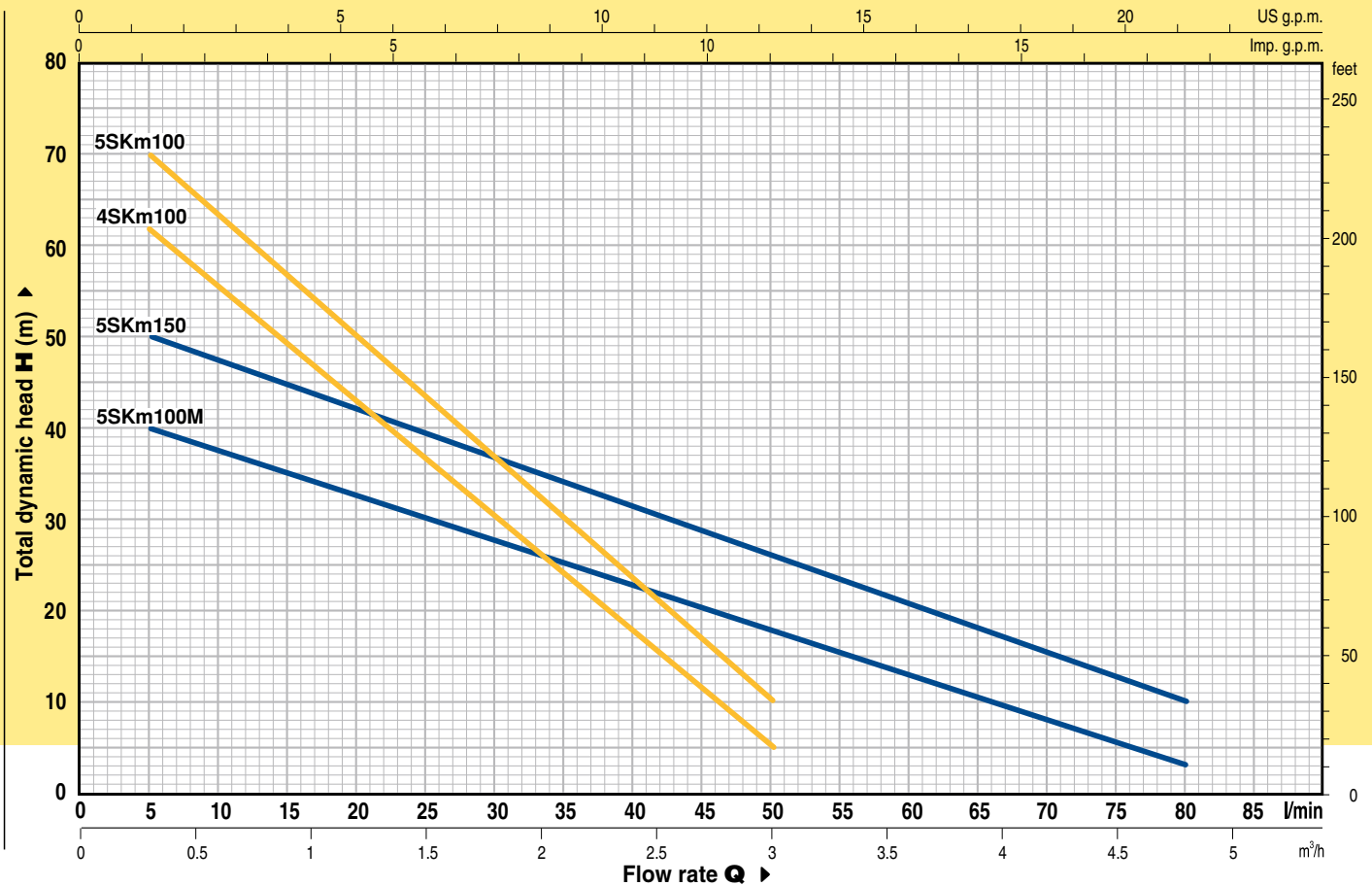
- EXTERNAL DIAMETER 120 mm for 5" wells.
- 1 1/4" UNI ISO 228/1 gas DELIVERY OPENING.
- graphite/stainless steel MECHANICAL SEAL.

SPECIAL FEATURE ON REQUEST:

- ⇒ 20 meters "H07 RN-F" supply cable.
- ⇒ 15, 30 meters "H05 VV-F" supply cable.



PERFORMANCE CHART AT n= 2900 1/min

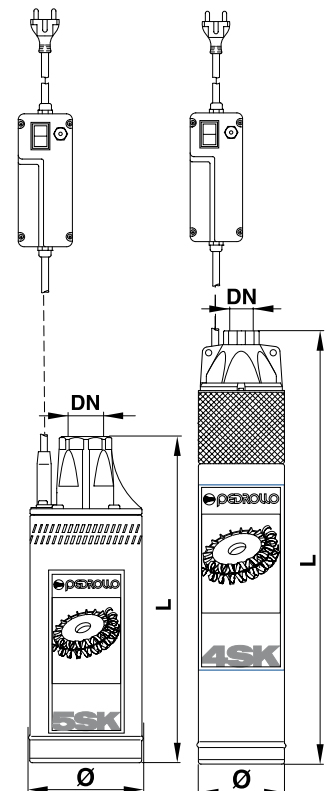


PERFORMANCE DATA AT n= 2900 1/min

PUMP MODEL	POWER		Q	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	4.2	4.8
	kW	HP	m³/h	0	5	10	15	20	25	30	35	40	50	60	70	80
Single phase			l/min	0	5	10	15	20	25	30	35	40	50	60	70	80
4SKm 100	0.75	1	H (m)	68	62	55	49	43	37	30	24	17	5			
5SKm 100	0.75	1		77	70	63.5	57	50	43.5	37	30	23	10			
5SKm 100M	0.75	1		42	40	37.5	35	32.5	30	27.5	25	22.5	17.5	13	8	3
5SKm 150	1.1	1.5		53	50	47.5	45	42	39	37	34	31	26	21	15	10

Q = FLOW RATE H = TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548.



DIMENSIONS

PUMP MODEL	DIMENSIONS mm		
	DN	Ø	L
4SKm 100	1"	96	466
5SKm 100	1 1/4"	120	313
5SKm 100M	1 1/4"	120	313
5SKm 150	1 1/4"	120	313