

SUMO 18G

effluent multi-stage
submersible pumps

The best combination of
performance, reliability and quiet
running, robust and easy to use.



RANGE OF PERFORMANCE

Capacity up to 23 gpm
Head up to 348 ft

LIMITS OF USE

Liquid temperature up to 104°F
Submersion depth up to 65 ft

CONSTRUCTION AND SAFETY STANDARDS

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

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



INSTALLATION AND USE

THEIR HIGH EFFICIENCY AND RELIABILITY MAKE THEM SUITABLE FOR PUMPING CLEAN WATER IN DOMESTIC, CIVIL AND AGRICULTURAL APPLICATIONS, FOR DISTRIBUTING WATER IN COMBINATION WITH PRESSURE SETS, FOR IRRIGATING GARDENS, BOOSTING PRESSURE, ETC.

GUARANTEE 2 YEAR subject to our general terms of sale.

CONSTRUCTION CHARACTERISTICS

OUTER CASE AND MOTOR SUPPORT: stainless steel AISI 304

IMPELLERS AND DIFFUSERS: technopolymer.

DIAPHRAGMS: stainless steel AISI 304, complete with anti-wear rings.

MOTOR SHAFT: stainless steel EN 10088-3 - 1.4104.

DOUBLE SEAL: mechanical seal silicon carbide-NBR, with oil barrier chamber and inner lip seal to protect the seal in the event of dry running.

SCREWS AND FILTER: stainless steel AISI 304.

MOTOR: asynchronous for continuous duty.

SUMO 18G: single-phase 230V - 60 Hz with thermal overload protector built into windings below 1Hp. The 1.5 and 2 Hp motor has an external overload protector (with manual reset) incorporated into the control box.

SUMO 18G: three-phase 230V - 60 Hz.

INSULATION: class F. • **PROTECTION:** IP 68.

STANDARD FEATURES:

SUMO 18G (single-phase) control box with capacitor
65 ft power cord type "H07 RN-F"

SUMO 18G (three-phase) 65 ft power cord type
"H07 RN-F".

OPTIONS ON REQUEST

economy version 30 ft power cord and capacitor, (without control box)

single-phase pumps with external float switch (SUMO 18G...-GE)

other voltages or frequency 50 Hz

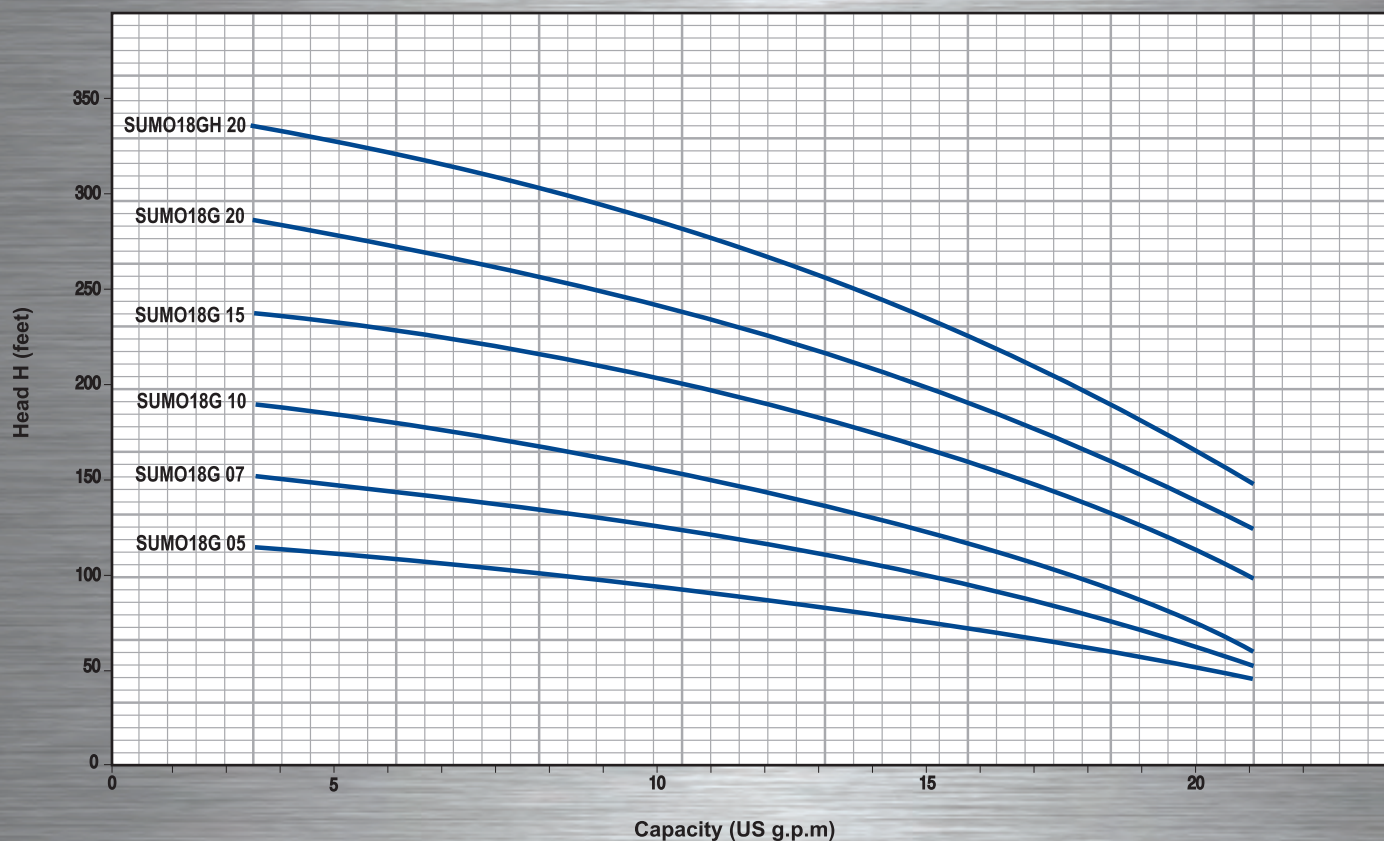


tech.support (954) 474 9090

www.pedrollousa.com

customerservice@pedrollousa.com

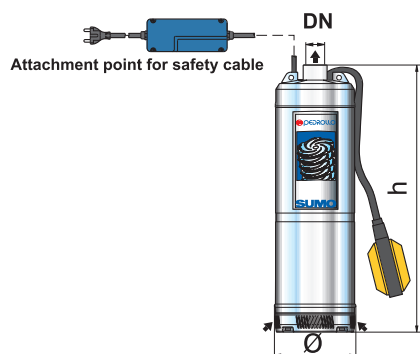
CURVES AND PERFORMANCE DATA



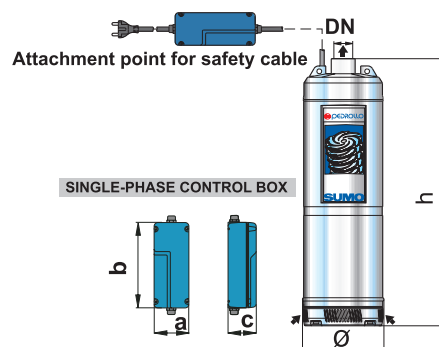
MODEL		HP	CAPACITY GPM	H Feet														
1 PH	3PH			0	2	5	7	10	11	13	14	15	17	18	19	21	22	23
SUMO18G 05	SUMO18G 05	0.5	H Feet	125	120	115	108	102	97	92	87	82	76	69	62	56	49	39
SUMO18G 07	SUMO18G 07	0.7		177	174	171	164	158	153	148	141	138	130	123	115	108	99	92
SUMO18G 10	SUMO18G 10	1.0		223	218	210	204	192	186	181	172	164	158	151	141	135	123	115
SUMO18G 15	SUMO18G 15	1.5		283	276	269	256	243	237	230	220	210	200	191	177	164	151	138
SUMO18G 20	SUMO18G 20	2.0		329	319	306	289	273	263	253	240	230	217	207	194	179	164	151
SUMO18GH 20	SUMO18GH 20	2.0		348	340	329	315	299	289	279	269	260	243	233	214	204	184	164

DIMENSIONS AND WEIGHTS

Single-phase with float switch



Single-phase with control box



MODEL		DISCH	DIMENSIONS INCHES							LBS	
1 PH	3 PH		NO STAGES	Ø	h (1~)	h (3~)	a	b	c	1~	3~
SUMO18G 05	-	1"	3	5.3	15.1	15.1	3.1	7.8	2.5	26.3	
SUMO18G 07	SUMO18G 07		4		17.0	18.0				28.7	25.4
SUMO18G 10	SUMO18G 10		5		18.0	18.9				36.5	33.2
-	SUMO18G 15		4		20.1					52.2	
SUMO18G 15	-	1 1/4"	4	6.0	20.1	21.3				54.1	50.4
SUMO18G 20	SUMO18G 20		5		21.3	21.3				54.1	50.4
SUMO18GH 20	SUMO18GH 20		5		23.1	21.3				64.5	51.9