

Technical Data

Electric Pumps > Vertical Axis, Submersible

> SQE

Grundfos Series



DESCRIPTION:

Application

- Suitable for both continuous functioning and intermittent for domestic water supply for small irrigation systems

Features

- Built-in non-return valve
- Axial thrust protection
- Soft start device
- Overvoltage, undervoltage, overload and overtemperature protection
- Designed for pumping of fluid, clean, non-aggressive, inexplusive liquids and by temperatures not over 30°/40° C, with no solid particles or fibres or by a maximum sand content of 50 g/m³
- Equipped with a single-phase motor capable to communicate with CU301 control unit, which adjusts the pump speed to keep a constant pressure
- SQE pump need protection against dry running
- It is possible to set the pump on any working point included in the minimum and maximum performance curve of the pump (speed control variable between 65% and 100% of the performing curve)

SQE 2 8 ÷ 50 L/M - 143 ÷ 20 MH2O			SQE 3 SERIES 25 ÷ 58 L/M - 138 ÷ 20 MH2O			SQE 5 SERIES 50 ÷ 100 L/M - 89 ÷ 9 MH2O			SQE 7 SERIES 58 ÷ 150 L/M - 52 ÷ 6 MH2O		
Code	Type	Kw	Code	Type	Kw	Code	Type	Kw	Code	Type	Kw
PSM171	SQE2-35	0,45	PSM178	SQE3-30	0,44	PSM159	SQE5-15	0,26	PSM167	SQE7-15	0,42
PSM172	SQE2-55	0,65	PSM179	SQE3-40	0,63	PSM160	SQE5-25	0,54	PSM168	SQE7-30	0,84
PSM173	SQE2-70	0,87	PSM180	SQE3-55	0,83	PSM161	SQE5-35	0,80	PSM169	SQE7-40	1,27
PSM174	SQE2-85	0,98	PSM185	SQE3-65	1,02	PSM162	SQE5-50	1,06			
PSM175	SQE2-100	1,30	PSM186	SQE3-80	1,23	PSM165	SQE5-60	1,33			
PSM176	SQE2-115	1,50	PSM187	SQE3-95	1,43	PSM166	SQE5-70	1,60			
			PSM188	SQE3-105	1,63						

ACCESSORIES ON COMPLETION OF SQE VARIABLE SPEED PUMPS

Code	Description	Type
EUN001	Control and communication unit for SQE pumps in constant pressure applications	CU 301 1 x 230 V
FID030	Expansion tank	5 liters
SPUN010	0 ÷ 6 bar pressure sensor	X CU 301



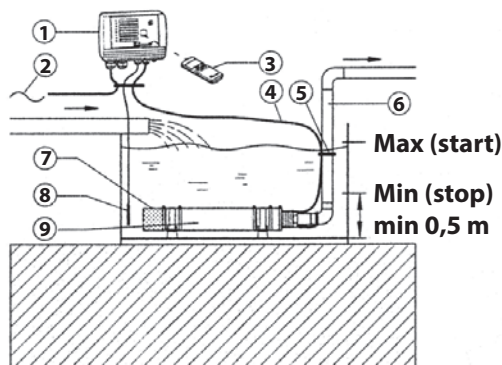
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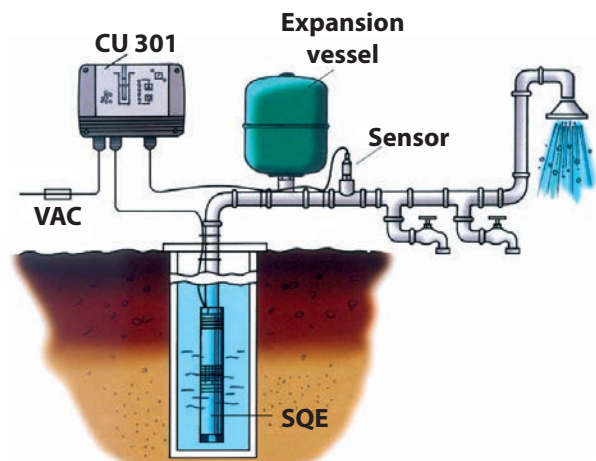
3" SUBMERSIBLE ELECTRIC PUMPS - (2800 RPM - 50 HZ) - TOTAL MANOMETRIC HEADS IN METERS

Type	Code	Nom. power Kw	Single-phase 230 V A	Flow rate																Threaded delivery	Pump and motor unit	
				l/m	0	8	17	25	34	42	50	58	67	83	100	117	133	150	H		Weight	
				l/s	0	0,14	0,28	0,42	0,56	0,70	0,83	0,97	1,11	1,39	1,67	1,95	2,22	2,50	mm		kg	
				m ³ /h	0	0,5	1,0	1,5	2,0	2,5	3,0	3,5	4,0	5,0	6,0	7,0	8,0	9,0				
SQE 2 - 35	PSM171	0,45	2,9	MH20	45	43	42	39	35	29	19								1"¼	747	4,7	
SQE 2 - 55	PSM172	0,65	4,1		68	66	63	60	54	45	32									1"¼	747	4,8
SQE 2 - 70	PSM173	0,87	5,3		89	87	84	79	72	60	43									1"¼	774	5,4
SQE 2 - 85	PSM174	0,98	6,0		109	108	105	99	89	74	54									1"¼	828	5,5
SQE 2 - 100	PSM175	1,30	7,7		132	131	128	120	109	91	67									1"¼	864	6,2
SQE 2 - 115	PSM176	1,50	8,9		155	154	150	142	129	108	79									1"¼	891	6,3
SQE 3 - 30	PSM178	0,44	2,9		36			34	32	30	26	22								1"¼	747	4,8
SQE 3 - 40	PSM179	0,63	4,0		56			53	50	47	42	36								1"¼	747	4,8
SQE 3 - 55	PSM180	0,83	5,1		74			70	67	63	56	48								1"¼	774	5,4
SQE 3 - 65	PSM185	1,02	6,2		92			87	83	78	70	60								1"¼	828	5,5
SQE 3 - 80	PSM186	1,23	7,4		110			105	100	94	85	73								1"¼	864	6,1
SQE 3 - 95	PSM187	1,43	8,4		129			123	117	109	99	85								1"¼	891	6,3
SQE 3 - 105	PSM188	1,63	9,7		147			140	134	125	113	97								1"¼	945	6,4
SQE 5 - 15	PSM159	0,26	1,9		18						15	14	13	11	7					1"½	747	4,7
SQE 5 - 25	PSM160	0,54	3,4		36						31	29	28	24	18					1"½	747	4,8
SQE 5 - 35	PSM161	0,80	4,9	54						46	44	42	36	28					1"½	864	5,5	
SQE 5 - 50	PSM162	1,06	6,5	71						62	59	56	49	38					1"½	864	5,5	
SQE 5 - 60	PSM165	1,33	7,9	89						77	74	70	61	48					1"½	945	6,4	
SQE 5 - 70	PSM166	1,60	9,5	106						93	89	85	73	58					1"½	945	6,4	
SQE 7 - 15	PSM167	0,42	2,8	21						17	16	14	12	9	6	2			1"½	747	4,7	
SQE 7 - 30	PSM168	0,84	5,2	42						36	35	32	29	24	18	10			1"½	747	5,2	
SQE 7 - 40	PSM169	1,27	7,6	64						56	54	50	45	38	29	19			1"½	864	6,1	

Note: the hydraulic characteristics of the SQ series pumps are identical to the SQE series and therefore can be seen from the table above



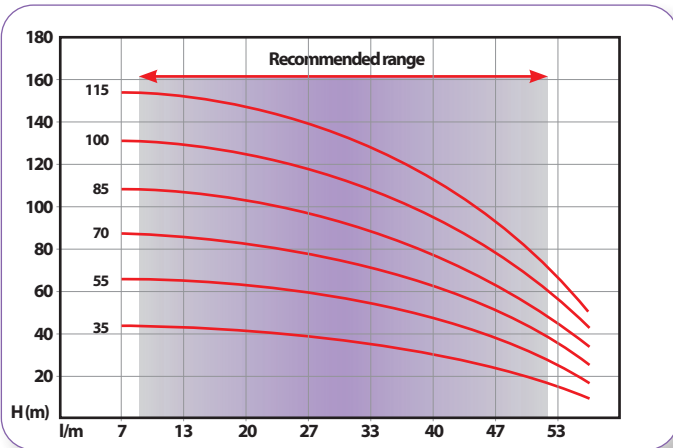
- 1. Control unit
- 2. Network connection
- 3. Remote controller
- 4. Cable
- 5. Cable clamp
- 6. Riser tube
- 7. Cooling jacket
- 8. Level probe
- 9. Pump



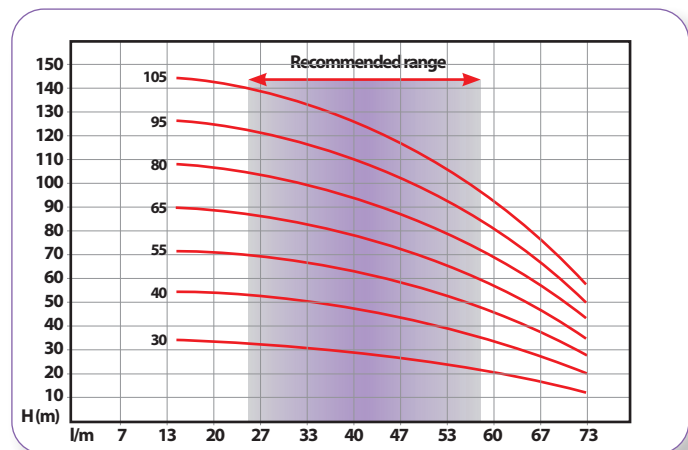


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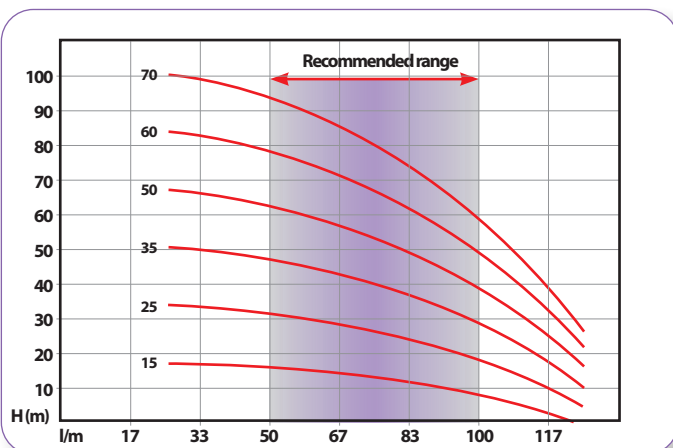
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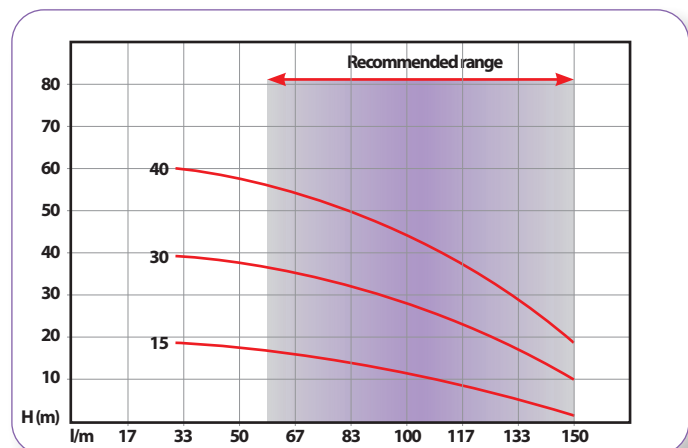
SQE 2 series



SQE 3 series



SQE 5 series



SQE 7 series

Pumps