

# BOREHOLE SFI

submersible pump for boreholes 4"



clean water



domestic use

**Max Head** 23 - 285m

**Max Flow** 2.3 - 14.7m<sup>3</sup>/h

**Motor Power** 0.37 - 5.5Kw

**Discharge size** G1 ¼F / G2F



## KEY ADVANTAGES OF A SFI PUMP

### APPLICATION

SFI pump are suitable for collecting water from 4" boreholes, water systems for continuous or intermittent domestic and industrial use. Automatic water distribution with reservoir tanks. Irrigation, fire-fighting installations, aqueducts, fountains, etc.

### INSTALLATION

The check valve is built into the pump head to reduce the effect on the impellers and diffusers against the hydraulic hammer and the weight of the water column.

### MATERIALS

Head and support for the engine union are in stainless steel. Impellers and diffusers are in polycarbonate reinforced with anti-corrosive and non-toxic specular surfaces, with waterproof insert in stainless steel. Outer jacket, coupling, suction filter and protection of electrical cable in stainless steel.

### PUMPED LIQUID

Clean water.  
Max. liquid temperature: 35°C.

### MOTOR

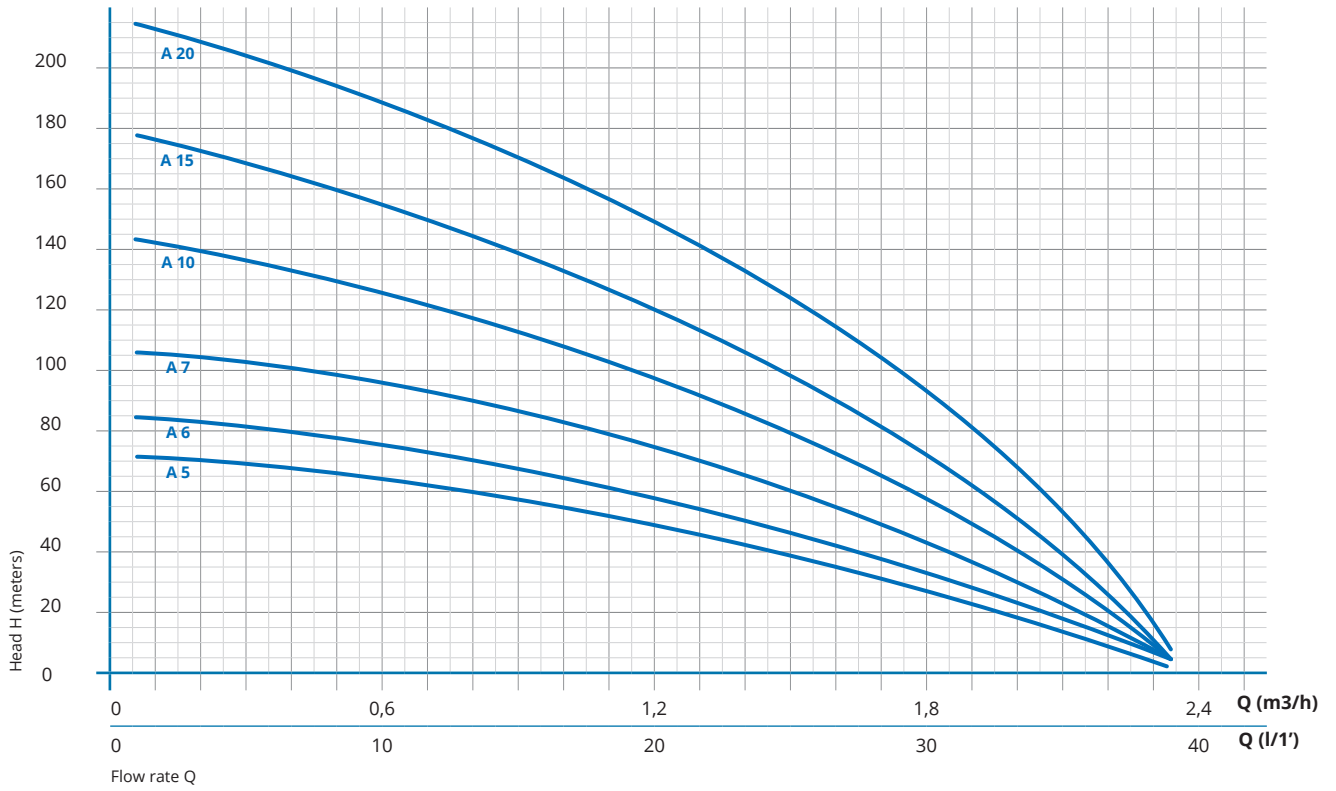
Submersible electric motor water bath lubricated, with pressure compensator and diaphragm. Stator sub-vacuum impregnated with resin and coated stainless steel. Protection IP68.

### FEATURES

Max. starts/hour: 20

# CHARACTERISTIC CURVES AND PERFORMANCE DATA

50Hz

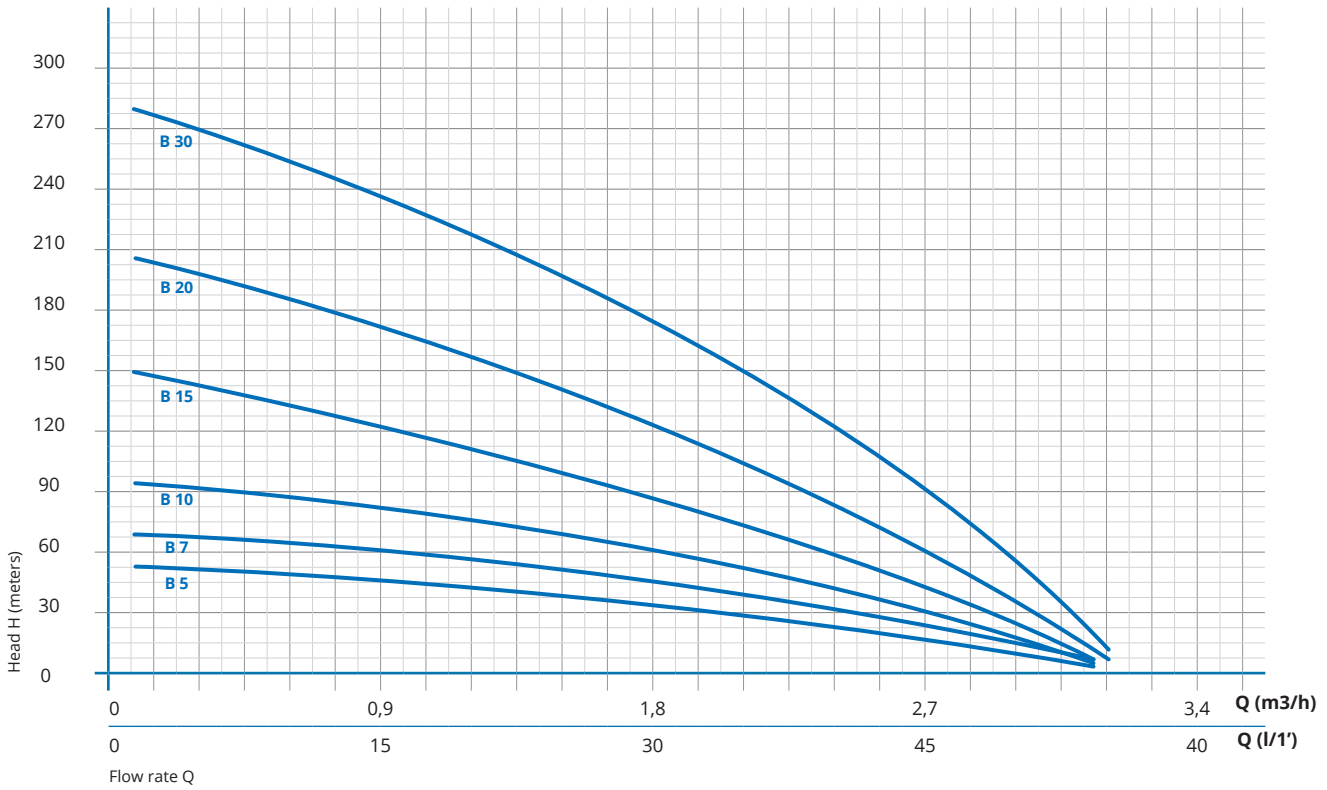


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TYPE	POWER kW	MOTOR			PORT DNC	Q																
		1~ A	1~ μF	3~ A		0	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7	3	3,3	3,6	4,2	4,5			
						0	10	15	20	25	30	35	40	45	50	55	60	70	75			
A 5.37	0,37	3,3	18	1,1	1 1/4"	H - meters	74	65	58	49	39	28	14									
A 6.55	0,55	5	20	1,6			87	76	68	58	47	34	17									
A 7.55		5	30	1,6			109	94	85	73	59	42	23									
A 10.75	0,75	6,5	40	2,2			145	127	114	98	79	58	30									
A 15.110	1,1	9,4	50	3,2			179	157	140	120	98	70	36									
A 20.110		9,4	70	3,2			215	188	170	149	120	90	50									

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50Hz

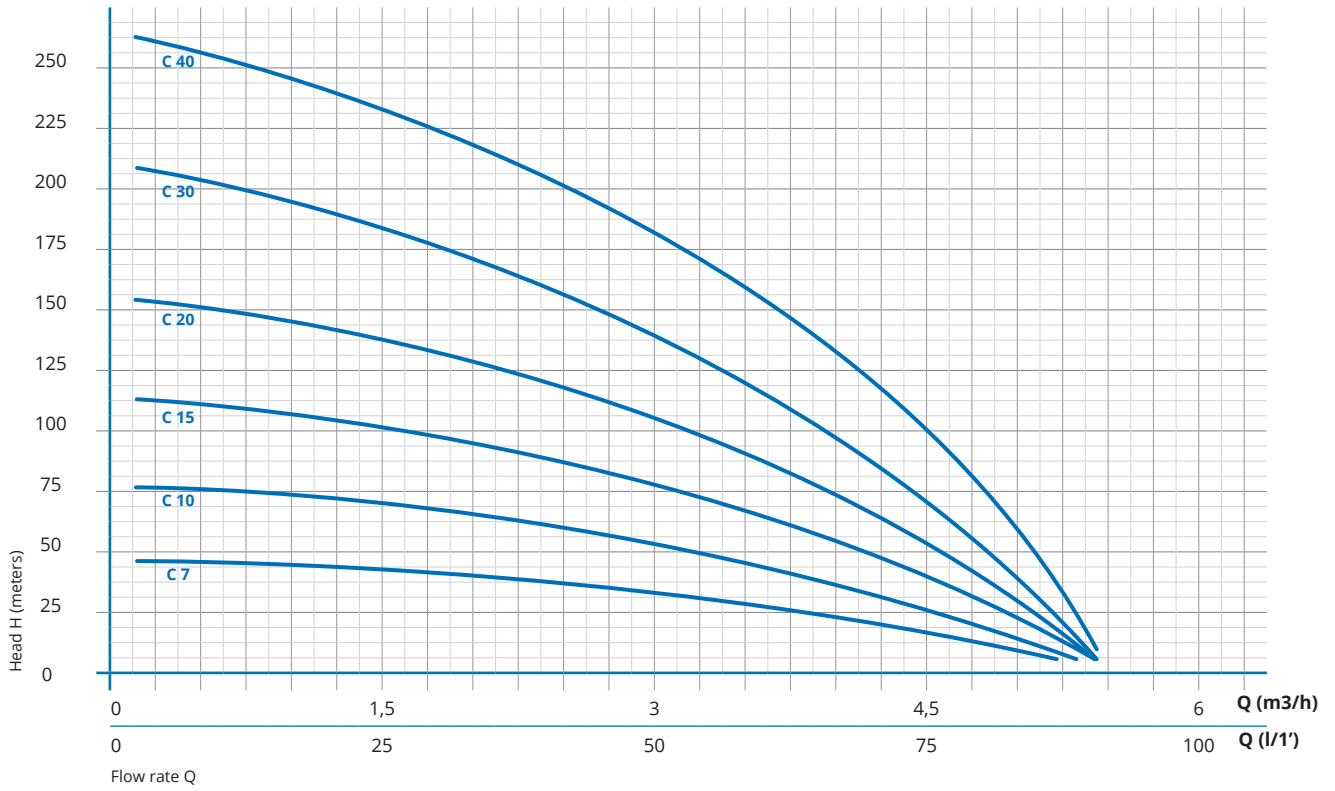


TYPE	POWER kW	MOTOR			PORT DNC	Flow rate Q																
		1~ A	1~ μF	3~ A		Q m³/h	0	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7	3	3,3	3,6	4,2	4,5		
						l/min	0	10	15	20	25	30	35	40	45	50	55	60	70	75		
<b>B 5.37</b>	0,37	3,3	16	1,1	1 ¼"	H - meters	53	49	47	42	39	33	28	23	17	10						
<b>B 7.55</b>	0,55	5	20	1,6			70	65	61	58	52	47	40	32	23	14						
<b>B 10.75</b>	0,75	6,5	35	2,2			95	88	82	77	69	60	51	42	30	18						
<b>B 15.110</b>	1,1	9,4	40	3,2			150	132	122	111	100	88	71	59	53	26						
<b>B 20.150</b>	1,5	11,2	50	4,1			210	185	171	157	140	122	104	83	60	37						
<b>B 30.220</b>	2,2	15,1	70	5,8			285	254	236	218	197	174	149	121	90	56						

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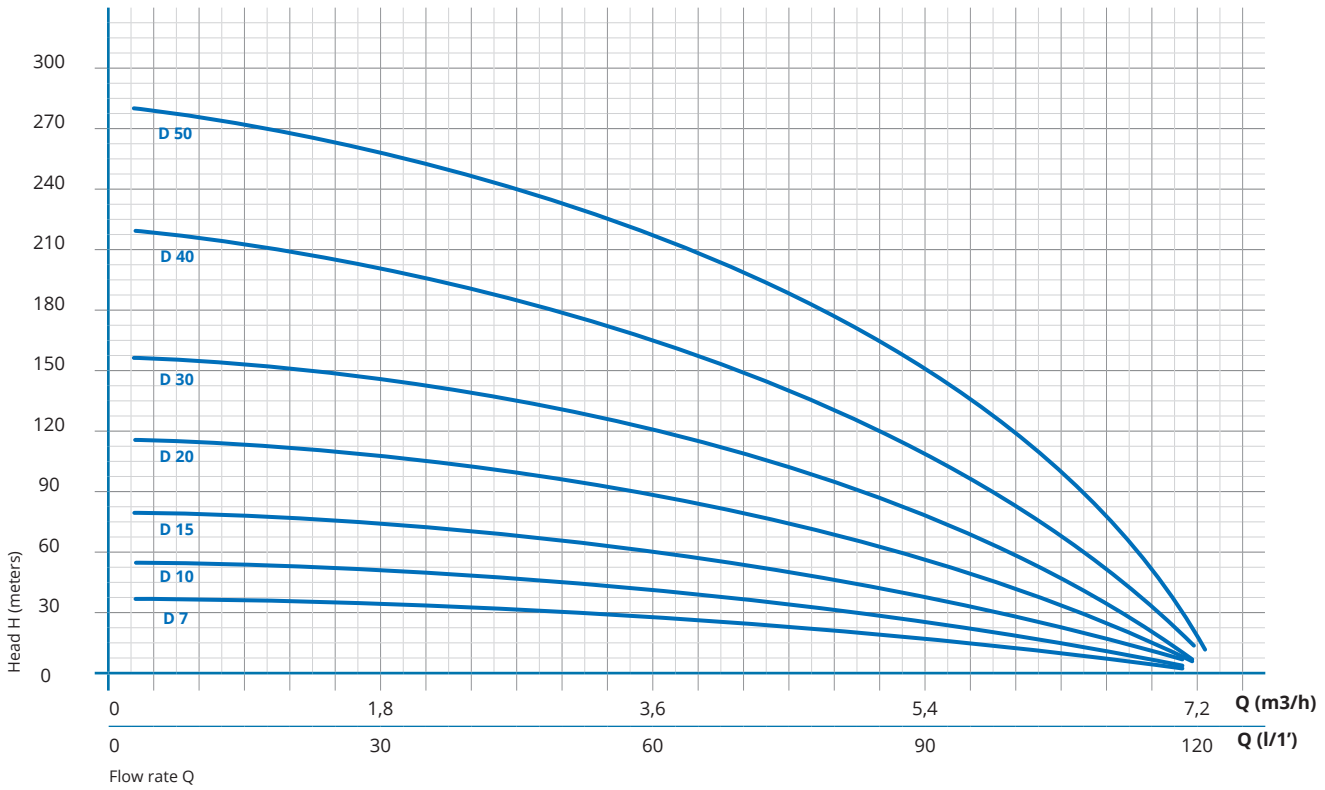


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TYPE	POWER kW	MOTOR			PORT DNC	Flow rate Q																
		1~ A	1~ µF	3~ A		Q m³/h	0	0,9	1,2	1,5	1,8	2,4	3	3,6	4,2	4,5	4,8	5,4	6	6,6		
C 7.55	0,55	5	20	1,6	1 ¼"	H - meters	0	15	20	25	30	40	50	60	70	75	80	90	100	110		
C 10.75	0,75	6,5	35	2,2			48	45	45	44	43	40	36	30	23	18	14					
C 15.110	1,1	9,4	40	3,2			76	72	71	69	67	61	54	47	38	31	24					
C 20.150	1,5	11,2	50	4,1			112	108	106	103	100	91	80	68	50	40	30					
C 30.220	2,2	15,1	70	5,8			155	145	143	137	133	121	107	89	68	54	41					
C 40.300	3	--	--	7,2			210	195	190	182	176	160	140	116	89	71	55					
					265	247	240	232	224	205	181	153	120	98	77							

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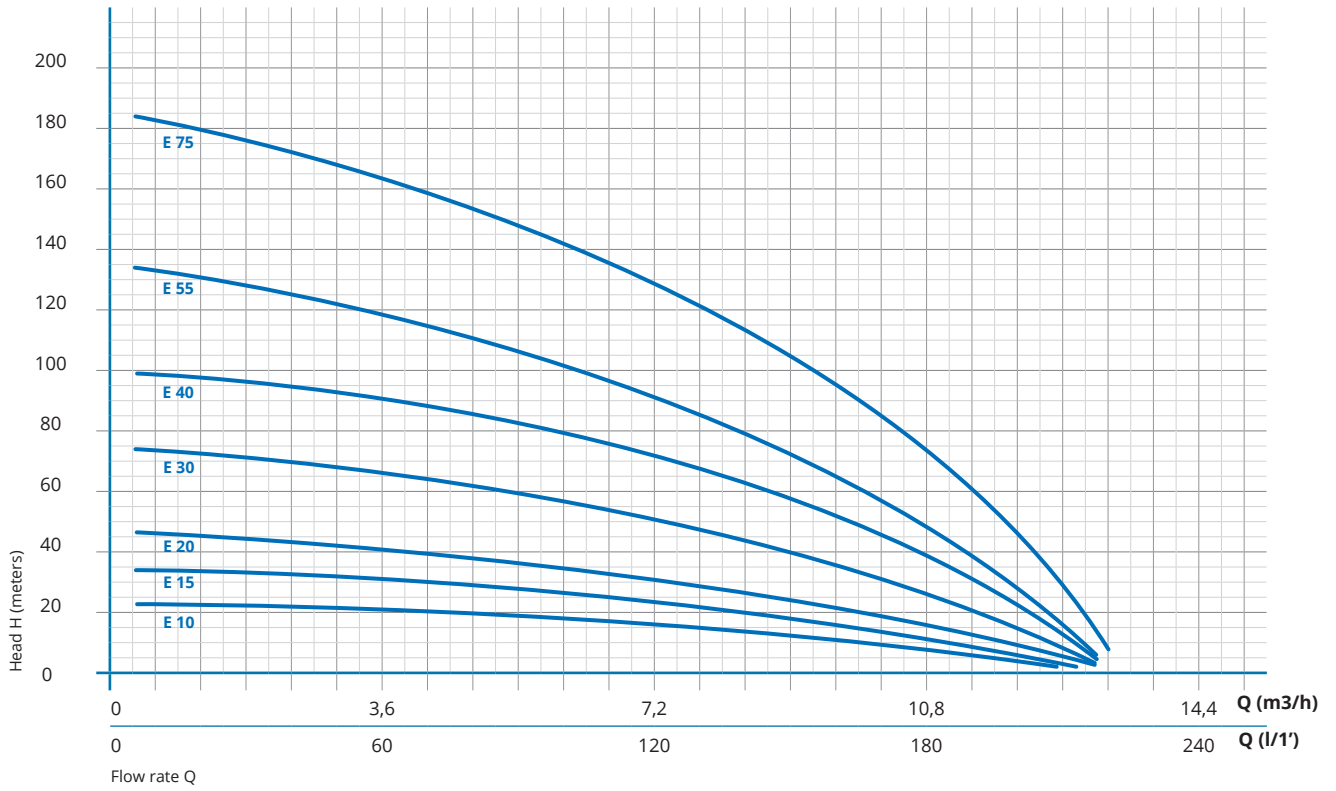


TYPE	POWER kW	MOTOR			PORT DNC	Flow rate Q																
		1~ A	1~ µF	3~ A		Q m³/h	0	1,8	2,4	3	3,6	4,2	4,5	4,8	5,4	6	6,6	7,5	9	10,5		
						l/min	0	30	40	50	60	70	75	80	90	100	110	125	150	175		
<b>D 7.55</b>	0,55	5	20	1,6	1 ¼"	H - meters	37	34	32	30	28	25	22	21	17	12	8					
<b>D 10.75</b>	0,75	6,5	35	2,2			53	50	48	44	40	35	32	30	24	17	10					
<b>D 15.110</b>	1,1	9,4	40	3,2			80	73	70	67	60	55	50	48	40	30	18					
<b>D 20.150</b>	1,5	11,2	50	4,1			116	108	103	97	88	79	74	68	55	40	23					
<b>D 30.220</b>	2,2	15,1	70	5,8			157	146	138	130	120	108	100	94	77	57	34					
<b>D 40.300</b>	3	--	--	7,2			220	200	190	178	165	149	140	130	108	82	50					
<b>D 50.400</b>	4	--	--	9,5			280	257	244	230	215	197	185	176	149	118	77					

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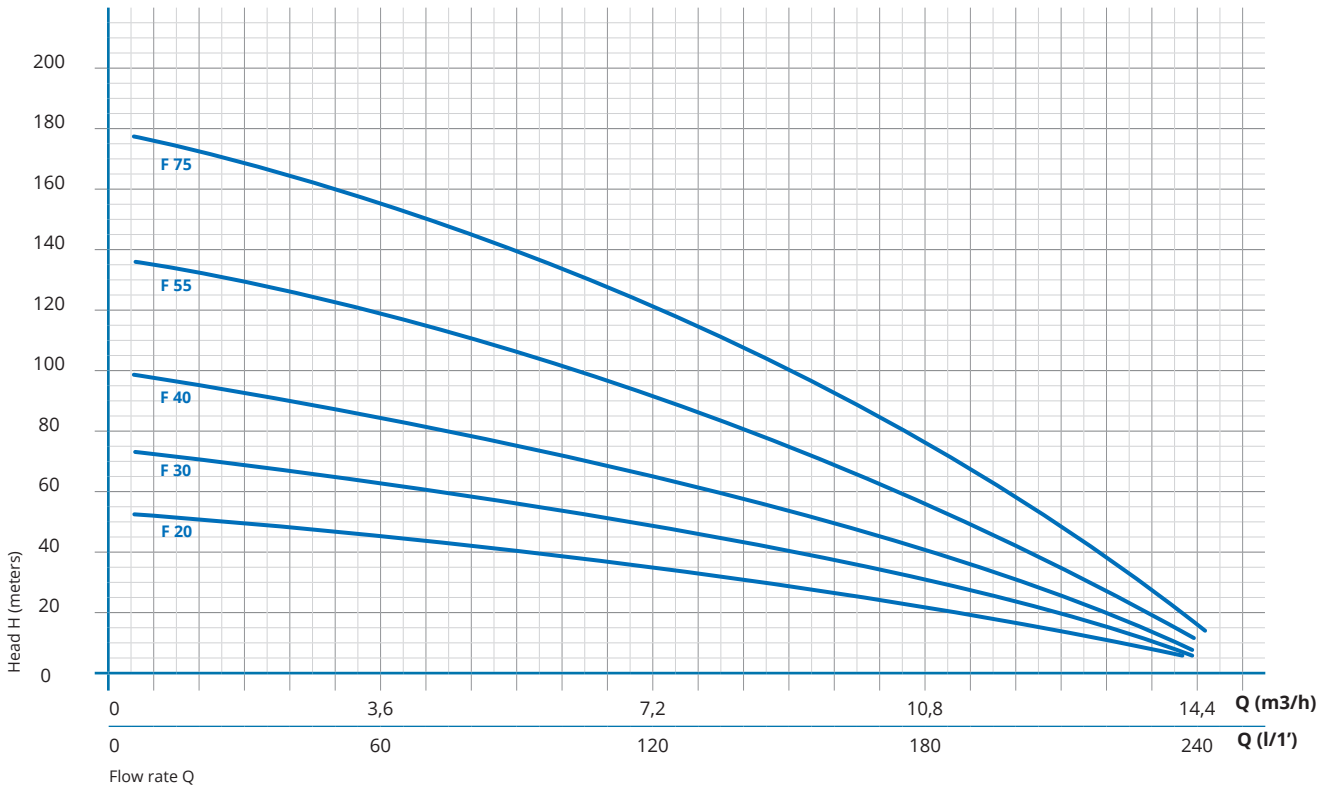


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TYPE	POWER kW	MOTOR			PORT DNC	Flow rate Q																		
		1~ A	1~ µF	3~ A		Q m³/h	0	1,8	2,4	3	3,6	4,2	4,8	5,4	6	6,6	7,5	9	10,5	12				
E 10.75	0,75	6,5	35	2,2	2"	H - meters	0	23	22,5	22,5	22	21	20,5	19	18,5	18	16,5	15	13	9	5			
E 15.110	1,1	9,4	40	3,2			0	35	34	33,5	33	32	31	29	28	27	25	23	18	13	7			
E 20.150	1,5	11,2	50	4,1			0	47	46	45	44	42	41	38	37	36	34	31	25	18	9			
E 30.220	2,2	15,1	70	5,8			0	75	72	71	70	68	66	63	60	58	55	50	40	29	15			
E 40.300	3	--	--	7,2			0	100	97	95	94	91	89	86	83	80	76	70	57	42	23			
E 55.400	4	--	--	9,5			0	135	128	125	123	119	116	121	117	103	98	89	73	53	29			
E 75.550	5,5	--	--	13,5			0	185	175	170	169	163	159	152	147	143	135	126	105	89	45			

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TYPE	POWER kW	MOTOR			PORT DNC	Flow rate Q																		
		1~ A	1~ µF	3~ A		Q m³/h	0	1,8	3	3,6	4,2	4,8	5,4	6	6,6	7,5	9	10,5	12	13,5				
F 20.150	1,5	11,2	50	4,1	1 ¼"	H - meters	0	30	50	60	70	80	90	100	110	125	150	175	200	225				
F 30.220	2,2	15,1	70	5,8			53	49	46	45	44	41	39	38	36	34	28	22	15	8				
F 40.300	3	--	--	7,2			74	68	65	63	61	57	55	53	50	46	39	31	21	12				
F 55.400	4	--	--	9,5			100	93	87	84	82	78	75	72	68	63	53	41	29	15				
F 75.550	5,5	--	--	13,5			139	128	121	117	114	108	104	100	95	88	74	58	42	22				
							180	167	157	153	148	143	137	132	125	116	98	75	56	31				

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