

XV4-70



Submersible pumps 4"

Description

- 4" submersible electric pumps with motor - delivery Ø 1" ¼
- Maximum amount of sand: 250 g/m³
- Mechanical seal ceramic/graphite
- No axial stress on the motor
- **Can run dry without deteriorating**
- Can also be installed in a horizontal position
- Can be adapted for operation in the presence of gas upon request

Materials

- Pump body, upper and lower closure in Aisi 304
- Motor body, lower closure in Aisi 304
- Motor body upper closure in Aisi 304
- Motor shaft material Aisi 431
- Mechanical seal ceramic/graphite
- Independent floating noryl impellers and diffusers with patented anti-crushing

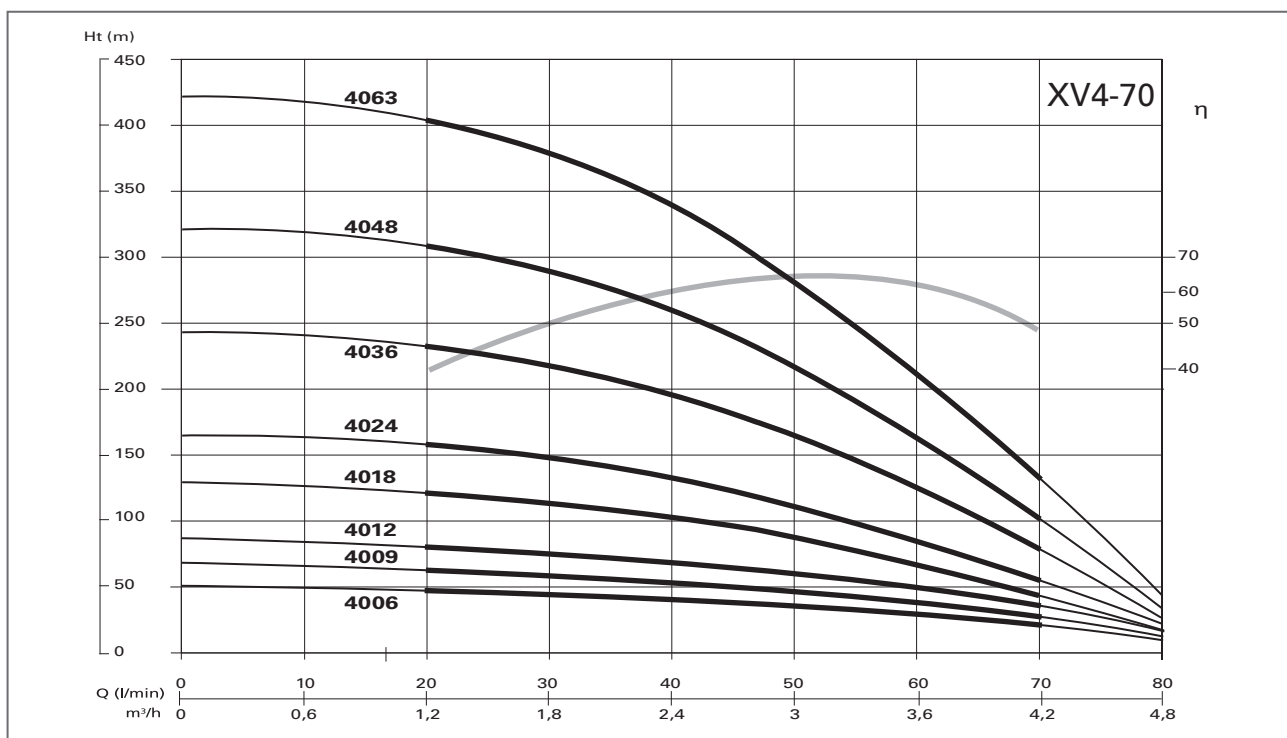
Applications

- Suitable for lifting clear and clear water
- Use for agricultural applications
- Use for irrigation
- Industrial and domestic pressurization systems

Motor

The 4" submersible motors are asynchronous, 2-pole type with squirrel-cage rotor, oil-bath and rewindable. Rugged and oversized to withstand heavy loads and last a long time even at great immersion depths. Power cables are plug wired to be certain that the internal coolant, while non-toxic and FDA-approved, cannot travel up the line by capillary action. The robust mechanical seal gives the motor long life even in the presence of sand. The rotor shaft overhang is stainless steel, and an oversized compensation diaphragm allows the coolant to compensate for volume differences due to temperature changes.

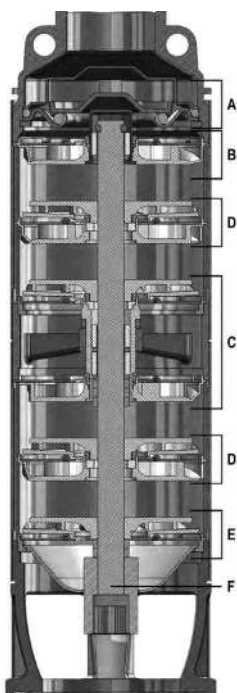
- Oil-bath, rewindable
- IP 68 protection class
- Insulation class F
- Max 30 starts per hour
- Lower and upper closure motor body Aisi 304
- Motor shaft Aisi 431



Curves and performance $\eta = 2900$ 1/min

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	Code	P ₂ Nom.		1 ~ 50Hz Amp.	3 ~ 50Hz Amp.	Stages	Q (lt/m) Flow										Dimensions mm				Weight kg	
		kW	Hp	230 V	380 V		0	35	40	45	50	55	60	65	70	A		B	C	1-PH	3-PH	
							Total Hm in CA										1-PH					3-PH
1 - HP	XV4700506	0,37	0,5	3,5	-	6	41	35	33	30	27	24	20	16	12	652	-	1"¼	98	10,3	-	
	XV4700709	0,55	0,75	4,7	-	9	62	52	49	45	41	36	31	25	18	737	-		98	11,9	-	
	XV4701012	0,75	1	5,8	-	12	80	68	64	59	53	47	40	32	23	818	-		98	13,4	-	
	XV4701518	1,1	1,5	8,6	-	18	120	102	96	88	80	70	59	48	35	960	-		98	15,5	-	
	XV4702024	1,5	2	10,7	-	24	160	136	128	118	106	93	79	64	47	1145	-		98	18,2	-	
	XV4703036	2,2	3	14,5	-	36	240	204	191	176	159	140	119	95	70	1169			98	23,6	-	
3 - HP	XV4700506T	0,37	0,5	-	1,4	6	41	35	33	30	27	24	20	16	12	-	638	1"¼	98	-	9,6	
	XV4700709T	0,55	0,75	-	1,9	9	62	52	49	45	41	36	31	25	18	-	712		98	-	10,7	
	XV4701012T	0,75	1	-	2,2	12	80	68	64	59	53	47	40	32	23	-	791		98	-	11,9	
	XV4701518T	1,1	1,5	-	3	18	120	102	96	88	80	70	59	48	35	-	937		98	-	14,7	
	XV4702024T	1,5	2	-	4,1	24	160	136	128	118	106	93	79	64	47	-	1071		98	-	16,2	
	XV4703036T	2,2	3	-	5,6	36	240	204	191	176	159	140	119	95	70	-	1106		98	-	18,7	
	XV4704048T	3	4	-	7,5	48	320	272	255	235	212	186	158	127	94	-	1708		98	-	24,5	
	XV4705563T	4	5,5		9,6	63	420	357	335	309	278	244	207	167	123	-	2073		98	-	30,1	



Component	Description	Material
A valve	o-ring	NBR
	lid shutter	SS 304
	shutter guide	POMc
	shutter support and seeger	SS 304
B upper support	complete diffuser with disc	POMc + A/203 + SS 304
	bushing and bush	POMc + A/203
	seeger	A/203
C intermediate support	complete diffuser with disc	POMc + A/203 + SS 304
	impeller	POMc
	bushing and 2x bushes	POMc + A/203
	intermediate support	SS 304
D stage	complete diffuser with disc	POMc + A/203 + SS 304
	impeller	POMc
E first stage	centering ring	POMc
	disc and grill	SS 304
	first impeller with spacers	POMc
F shaft with coupling	tree	SS 431B
	seeger and support	POMc
	joint	SS 316L
G cable cover	screws	SS 304
	cable cover	SS 304

