

4SR1

Application

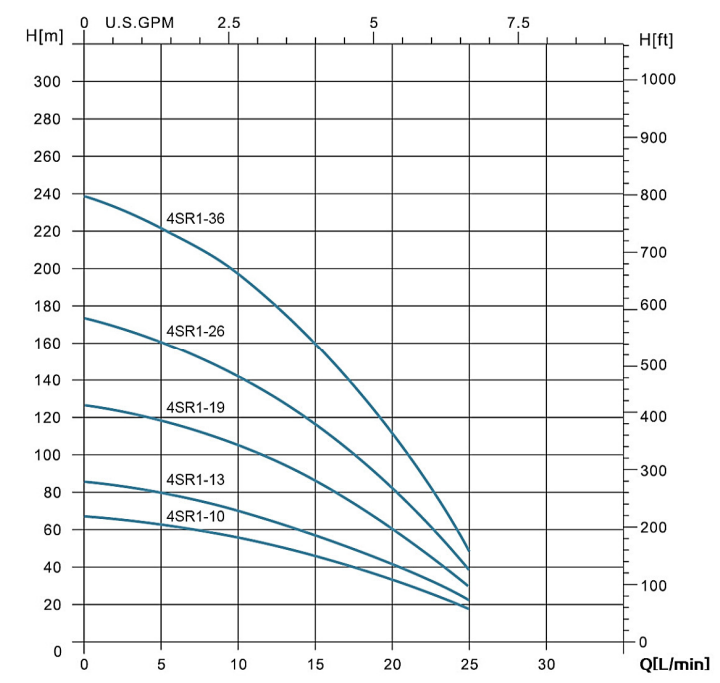
4" SR series submersible pump adopts AISI304 casing and high-strength and durable "floating impeller". Impellers are made of American "Noryl" material, which has got the approval of FDA(American Food and Drug Administration), With high-quality hydraulic design, AISI304 motor base up to "NEMA" standard, built-in AISI304 check valve, gasket, monaural outlet and built-in strainer. Our SR series pump can be widely applied to mining and building industry, agriculture, aquaculture, food and beverage industry and family water supply.

Motor and Pump

- Power: Single phase: 0.37-2.2KW 220-240V
There phase: 0.75-7.5KW 380-415V
- Insulation class: B
- Protection grade: IP68
- Frequency: 50HZ
- Flow range: 1-10 (m³/h)
- Maximum fluid temperature:35°C
- Maximum sand content:0.25%

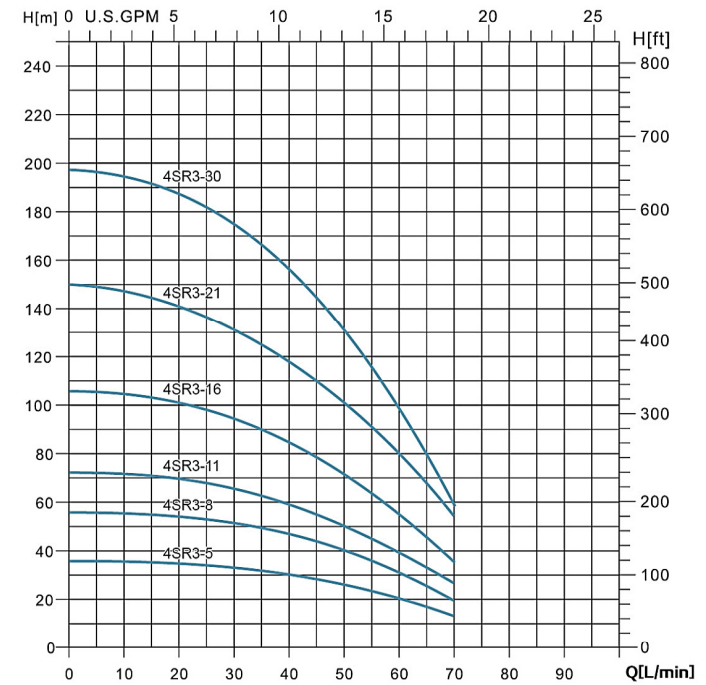
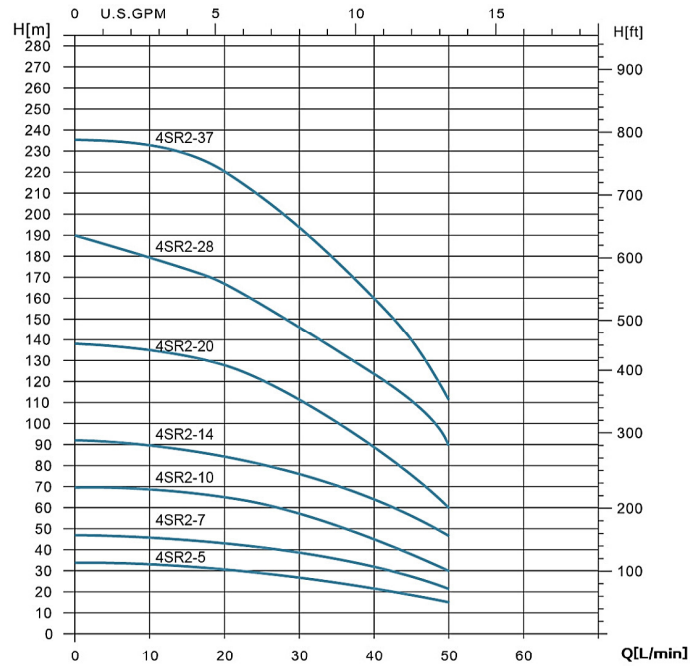


Components	Material
Motor external casing	AISI B04/201
Oil bag clamp	AISI B04/201
Bottom bearing check	Cast-iron HT200
Top bearing check	Cast-iron HT200
Motor	AISI B04
Connector	AISI B04
Outlet	AISI B04
Pump external casing	AISI B04
Splined hub	AISI B04
Strainer mesh	AISI B04
Diffuser	AISI B04
Impeller	PP0
Cover plate	PC
Shaft	AISI B04/A10
Shaftcoupling	AISI B04



Technical Data

Model	Stages	P ₂		Q	Delivery					
		KW	HP		m ³ /h	0	0.3	0.6	0.9	1.2
4SR1-10	10	0.37	0.5	H _(m)	0	5	10	15	20	25
4SR1-13	13	0.37	0.5		67	63	55	46	33	18
4SR1-19	19	0.55	0.75		86	78	70	56	42	23
4SR1-26	26	0.75	1.0		126	118	105	86	60	30
4SR1-36	36	1.1	1.5		173	160	141	117	81	39
					239	221	197	160	110	49

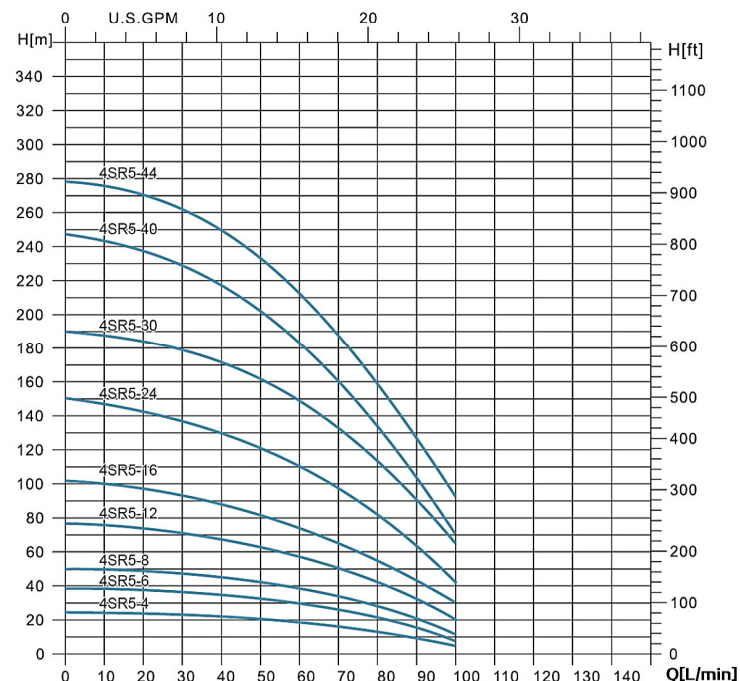
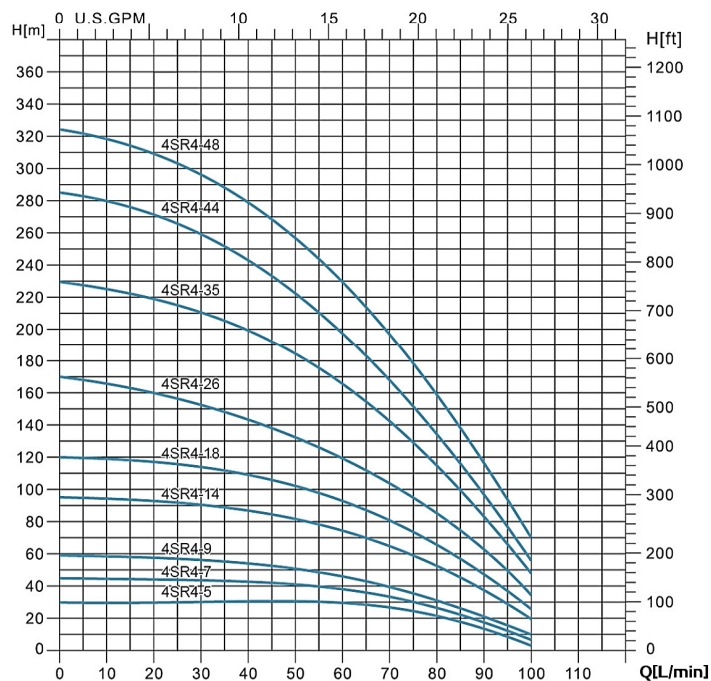


Technical Data

Model	Stages	P ₂		Q	Delivery															
		KW	HP		m ³ /h	0	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0						
4SR2-5	5	0.37	0.5	H(m)	34	32	31	29	27	25	23	19	16							
4SR2-7	7	0.37	0.5		46	43	42	39	36	33	29	26	22							
4SR2-10	10	0.55	0.75		69	65	63	60	55	50	44	37	29							
4SR2-14	14	0.75	1.0		92	86	83	79	74	67	60	52	42							
4SR2-20	20	1.1	1.5		139	131	127	120	111	101	90	75	60							
4SR2-28	28	1.5	2.0		189	178	172	164	153	140	126	108	90							
4SR2-37	37	2.2	3.0		245	229	220	208	193	175	158	136	111							

Technical Data

Model	Stages	P ₂		Q	Delivery														
		KW	HP		m ³ /h	0	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2				
4SR3-5	5	0.37	0.5	H(m)	34	32	31	30	29	28	26	24	19	13					
4SR3-8	8	0.55	0.75		54	51	50	49	46	43	41	38	30	19					
4SR3-11	11	0.75	1.0		72	68	66	64	61	58	54	49	38	26					
4SR3-16	16	1.1	1.5		106	101	98	95	89	83	77	70	54	33					
4SR3-21	21	1.5	2.0		142	135	132	127	122	115	108	100	79	49					
4SR3-30	30	2.2	3.0		195	188	182	176	166	155	143	130	98	59					

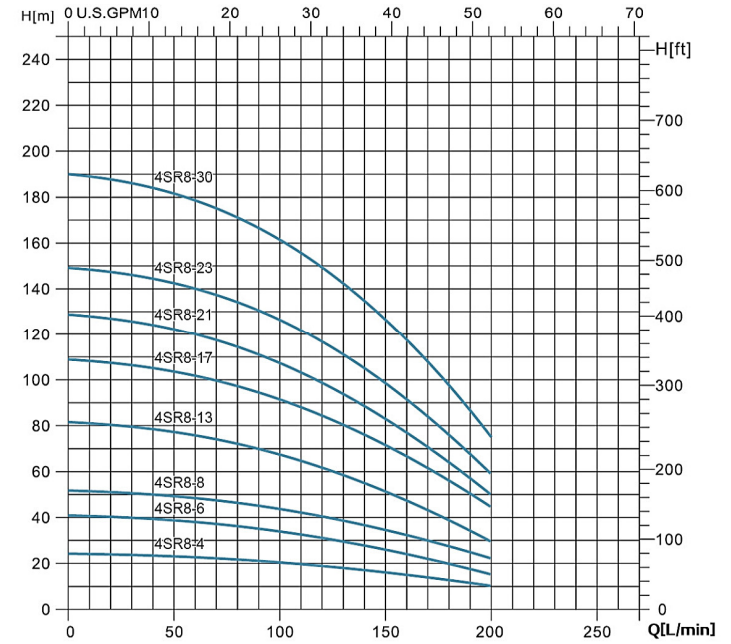
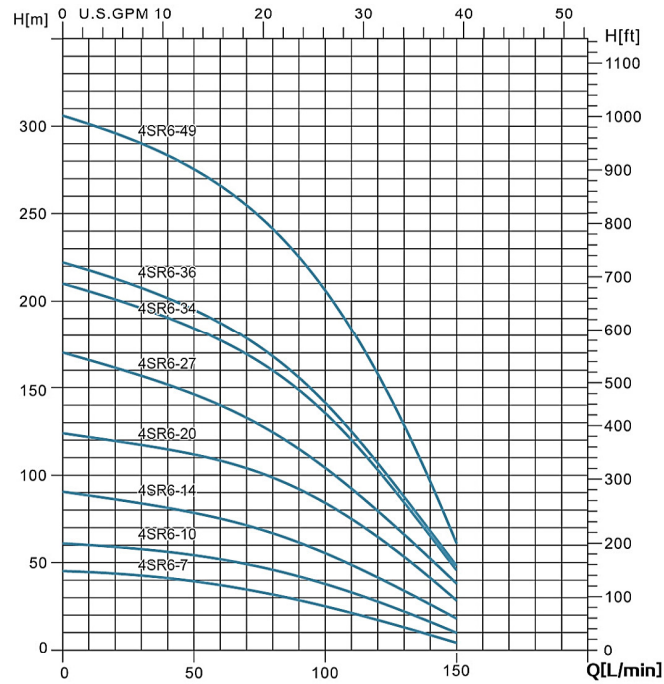


Technical Data

Model	Stages	P ₂		Delivery												
		KW	HP	Q	m ³ /h											
					0	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0
4SR4-5	5	0.37	0.5	H(m)	33	29	28	27	26	25	24	21	18	13	8	3
4SR4-7	7	0.55	0.75		46	43	42	41	40	39	37	33	28	21	13	7
4SR4-9	9	0.75	1.0		59	55	54	52	51	49	47	43	37	28	20	10
4SR4-14	14	1.1	1.5		93	87	86	83	81	79	76	68	58	47	33	20
4SR4-18	18	1.5	2.0		120	113	111	108	105	102	98	88	75	60	42	25
4SR4-26	26	2.2	3.0		169	158	155	152	147	142	136	123	105	84	59	34
4SR4-35	35	3.0	4.0		231	217	212	208	202	196	189	170	149	120	87	50
4SR4-44	44	3.7	5.0		285	266	260	254	248	238	229	203	172	139	100	59
4SR4-48	48	4.0	5.5		322	299	292	285	276	267	256	231	199	160	118	70

Technical Data

Model	Stages	P ₂		Delivery												
		KW	HP	Q	m ³ /h											
					0	2.1	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0		
4SR5-4	4	0.37	0.5	H(m)	26	23	22	22	21	19	17	14	11	7		
4SR5-6	6	0.55	0.75		38	36	35	33	32	30	26	22	18	12		
4SR5-8	8	0.75	1.0		51	47	46	44	43	39	35	30	24	18		
4SR5-12	12	1.1	1.5		77	72	71	69	68	63	57	49	41	31		
4SR5-16	16	1.5	2.0		102	98	96	94	92	86	77	68	57	46		
4SR5-24	24	2.2	3.0		151	142	139	136	132	122	111	97	80	62		
4SR5-30	30	3.0	4.0		190	176	173	168	164	151	136	119	98	75		
4SR5-40	40	3.7	5.0		253	232	227	222	216	202	182	159	131	102		
4SR5-44	44	4.0	5.5		278	265	260	254	247	230	210	187	159	127		

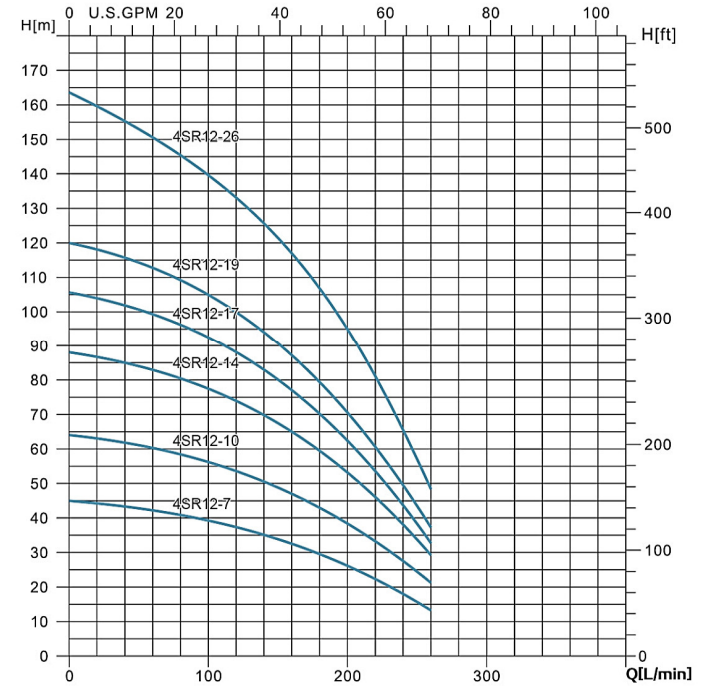
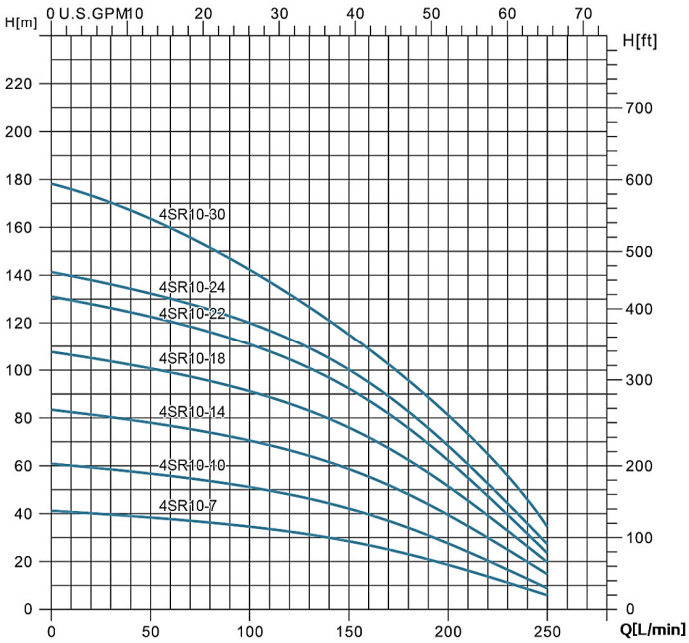


Technical Data

Model	Stages	P ₂		Q	Delivery										
		KW	HP		m ³ /h	0	3.0	3.6	4.2	4.8	5.4	6.0	7.2	8.4	
				l/min	0	50	60	70	80	90	100	120	140		
4SR6-7	7	0.75	1.0	H(m)	42	36	34	32	30	28	25	19	11		
4SR6-10	10	1.1	1.5		62	53	51	48	45	41	38	29	18		
4SR6-14	14	1.5	2.0		90	77	74	71	68	63	59	46	28		
4SR6-20	20	2.2	3.0		125	107	102	97	92	86	80	62	40		
4SR6-27	27	3.0	4.0		169	145	139	131	123	115	107	84	55		
4SR6-34	34	3.7	5.0		208	178	170	162	153	143	132	103	66		
4SR6-36	36	4.0	5.5		221	190	181	173	164	154	143	112	72		
4SR6-49	49	5.5	7.5		302	257	246	234	222	209	193	151	96		

Technical Data

Model	Stages	P ₂		Q	Delivery											
		KW	HP		m ³ /h	0	4.8	5.4	6.0	7.2	8.4	9.6	10.8	12		
				l/min	0	80	90	100	120	140	160	180	200			
4SR8-4	4	0.75	1.0	H(m)	26	24	23	22	21	19	17	15	12			
4SR8-6	6	1.1	1.5		39	36	35	34	32	29	26	22	17			
4SR8-8	8	1.5	2.0		52	48	47	46	43	39	35	29	24			
4SR8-13	13	2.2	3.0		82	75	73	71	66	59	50	40	30			
4SR8-17	17	3.0	4.0		108	98	96	94	87	79	70	58	46			
4SR8-21	21	3.7	5.0		132	117	114	111	103	93	82	68	52			
4SR8-23	23	4.0	5.5		148	134	131	127	118	108	95	79	60			
4SR8-30	30	5.5	7.5		190	171	167	161	150	134	117	98	75			

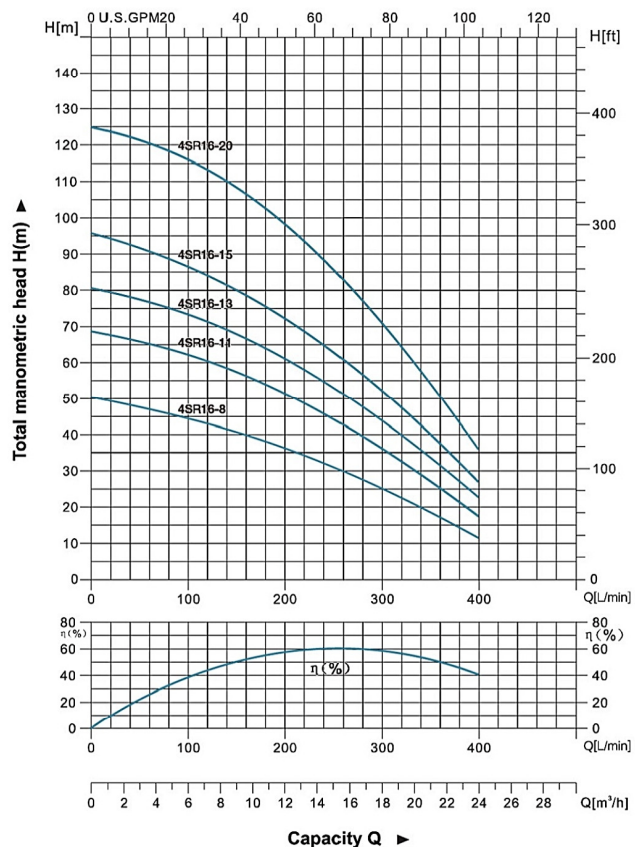


Technical Data

Model	Stages	P ₂		Q	Delivery												
		KW	HP		m ³ /h	0	4.8	5.4	6.0	7.2	8.4	9.6	10.8	12	13	14.4	
4SR10-7	7	1.1	1.5	H(m)	41	35	34	33	32	29	26	23	18	14	8		
4SR10-10	10	1.5	2.0		58	49	48	47	44	41	37	32	27	20	13		
4SR10-14	14	2.2	3.0		83	71	69	67	63	58	54	48	40	31	20		
4SR10-18	18	3.0	4.0		107	92	90	87	83	77	70	62	52	39	26		
4SR10-22	22	3.7	5.0		131	110	107	104	98	91	82	71	58	45	30		
4SR10-24	24	4.0	5.5		141	118	116	113	106	97	88	77	63	49	33		
4SR10-30	30	5.5	7.5		177	151	147	143	135	125	114	100	84	65	44		

Technical Data

Model	Stages	P ₂		Q	Delivery												
		KW	HP		m ³ /h	0	6.0	7.2	8.4	9.6	10.8	12	13	14.4	16		
4SR12-07	7	1.5	2.0	H(m)	45	37	36	33	31	28	25	22	18	14			
4SR12-10	10	2.2	3.0		64	54	52	48	44	41	36	32	26	20			
4SR12-14	14	3.0	4.0		89	76	72	67	62	56	49	43	35	28			
4SR12-17	17	3.7	5.0		107	90	86	80	74	67	59	51	42	32			
4SR12-19	19	4.0	5.5		120	102	97	91	89	76	68	58	48	37			
4SR12-26	26	5.5	7.5		163	136	129	120	111	100	87	75	61	48			
					260												



Technical Data

Model	Stages	P ₂		Delivery																
		KW	HP	Q	H _(m)															
					m ³ /h	0	8.4	9.6	10.8	12	13	14.4	16	17	18	19	20	22	23	24
				l/min	0	140	160	180	200	220	240	260	280	300	320	340	360	380	400	
4SR16-8	8	2.2	3.0	H _(m)	51	41	39	37	35	33	31	29	27	24	22	20	17	14	12	
4SR16-11	11	3.0	4.0		70	57	54	52	49	47	44	41	38	34	31	28	24	21	18	
4SR16-13	13	3.7	5.0		81	67	64	61	58	55	52	48	45	41	38	34	30	26	22	
4SR16-15	15	4.0	5.5		97	79	76	73	69	66	63	58	54	50	46	41	36	32	27	
4SR16-20	20	5.5	7.5		125	102	98	94	89	84	79	74	70	65	60	54	48	43	37	

XST Standard Centrifugal Pump

Application

- Circulation and transfer of clean, chemically non-aggressive water and other liquids
- Water supply & irrigation
- Water circulation in air conditioning systems

Operating conditions

- Delivery: up to 220 m³/h
- Head: up to 95 m
- Liquid temperature:
 - Standard: -10°C to 85°C
 - Upon request: -20°C to 120°C
- Maximum operating pressure: 12 bar (PN12)
- Anti-clockwise rotation when facing pump's suction port
- Impeller: AISI304/HT200
- Mechanical seal in compliance with DIN 24960
- Lubricated by internal recirculating pumped liquid
- Counter flange available on request

Motor

- Closed construction, external ventilation
- Insulation class: F
- Protection class: IP54
- Performance in compliance with CEI 2-3 (IEC 34.1)
- Max. ambient temperature: +40°C
- Overload protection



Construction features

- Single-impeller centrifugal pump featuring axial intake and radial discharge
- Inlet and outlet DN in compliance with EN 733 (ex DIN 24255) and UNI 7467
- Flanges in compliance with UNI 2236 and DIN 2532
- Rear entry (impeller, control valve and motor can be extracted without disconnecting the pump body from the pipes)

Accessories on request

- Galvanised iron threaded counter flanges
- Flanged tapered coupling
- Pump and motor sealing gasket

