

XR



Application

- For water supply from wells or reservoirs
- For domestic use, for civil and industrial applications
- For garden use and irrigation

Operating conditions

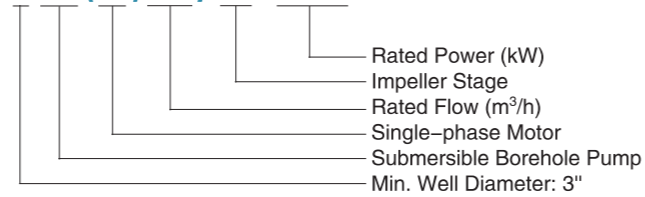
- Maximum fluid temperature up to +35°C
- Maximum sand content: 0.25%
- Maximum immersion: 80 m
- Minimum well diameter: 3"

Motor and Pump

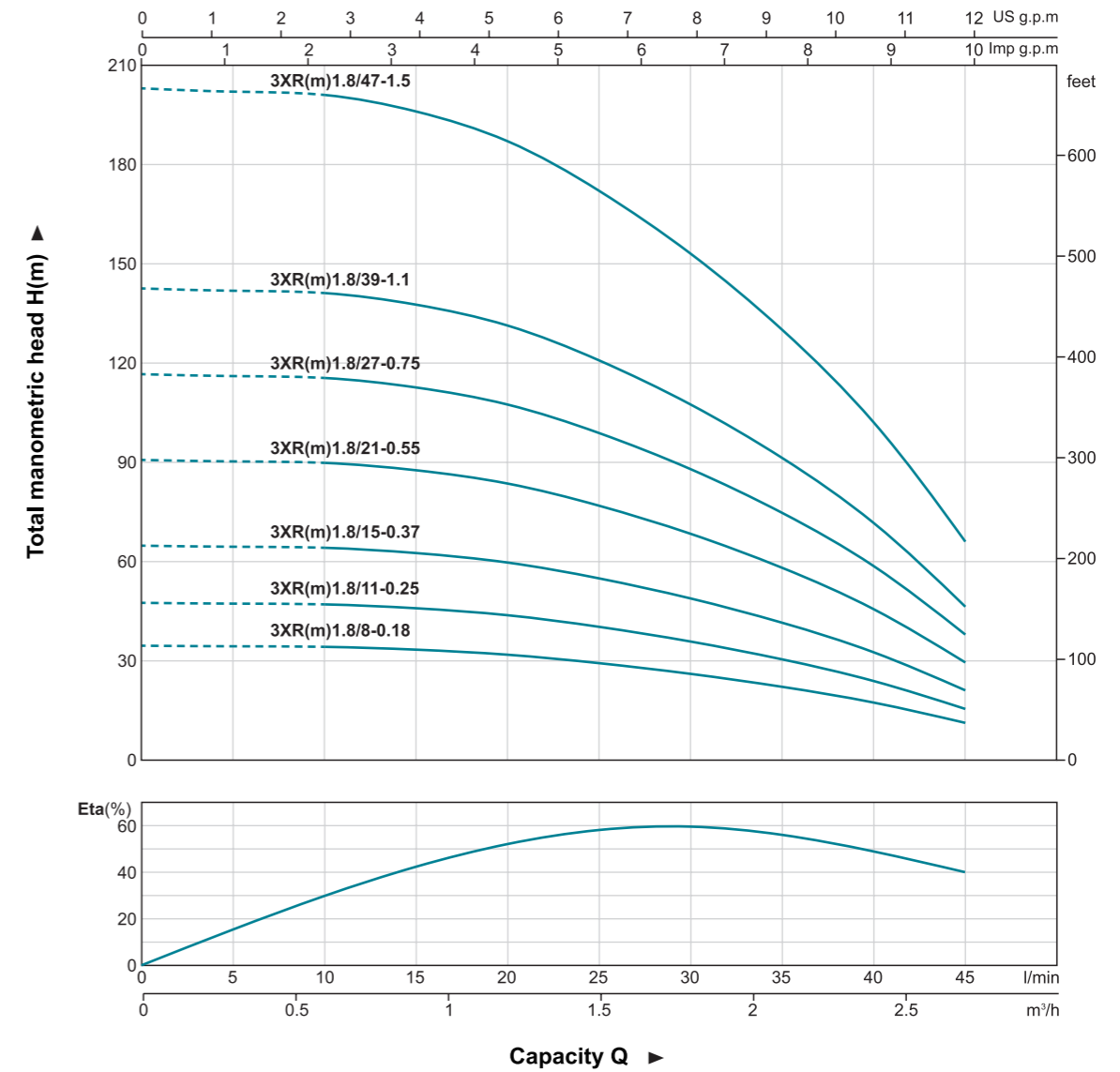
- Rewindable motor or full obturated screen motor
- **Three-phase:** 380V–415V/50Hz
- **Single-phase:** 220V–240V/50Hz
- Pumps are designed by casing stressed
- Curve tolerance according to ISO 9906

Components	Material
Pump external casing	AISI 201 SS
Delivery casing	Cast-Cu ASTM280
Suction lantern	Cast-Cu ASTM280
Diffuser	PC
Impeller	POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top cover	Cast-Cu ASTM280
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well (carbon-SiC/TC)
Shaft	AISI 304 SS-C1045
Bearing	NSK / C&U
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

3XR(m)1.8/ 11-0.25



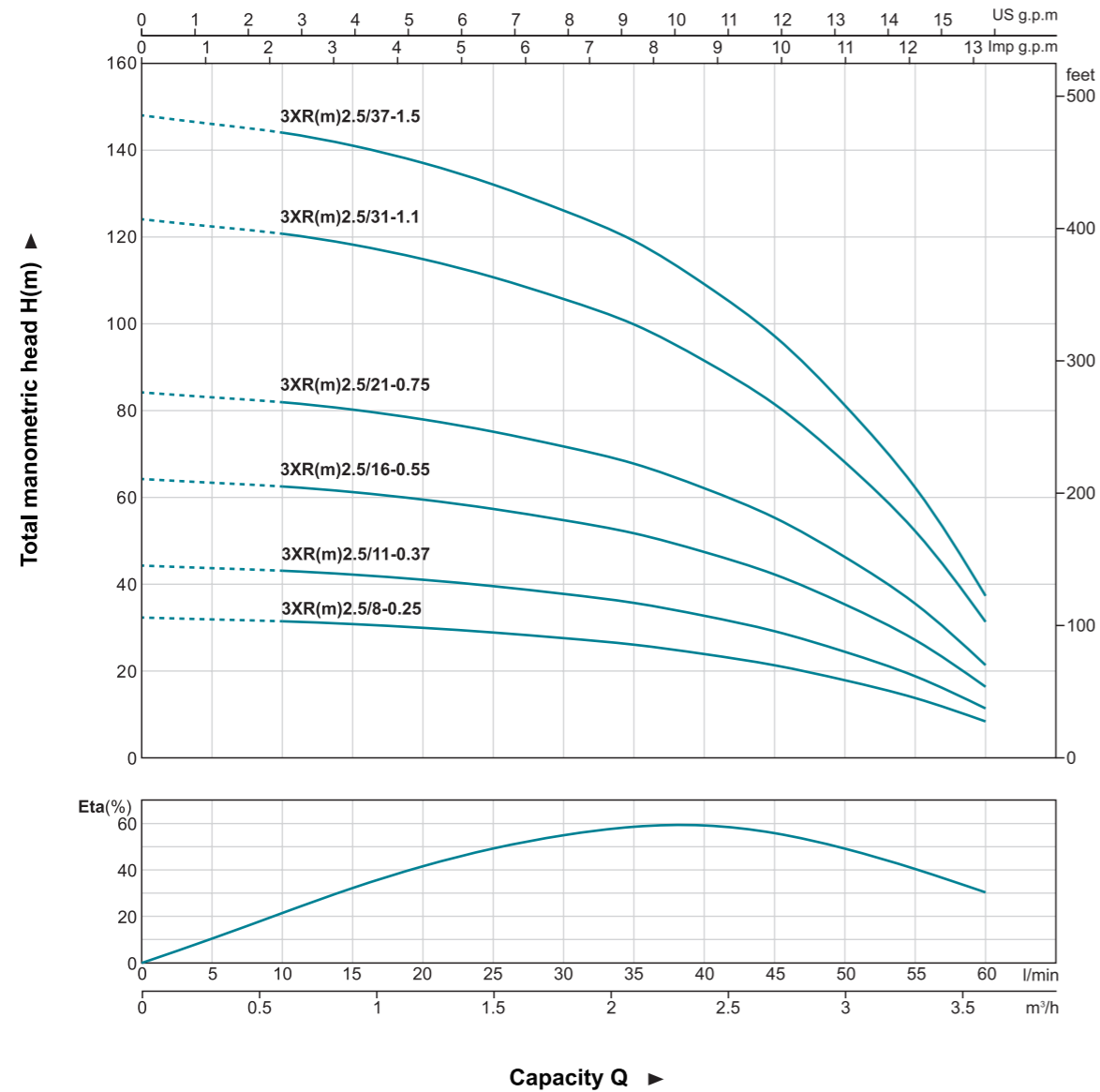
3XR 1.8



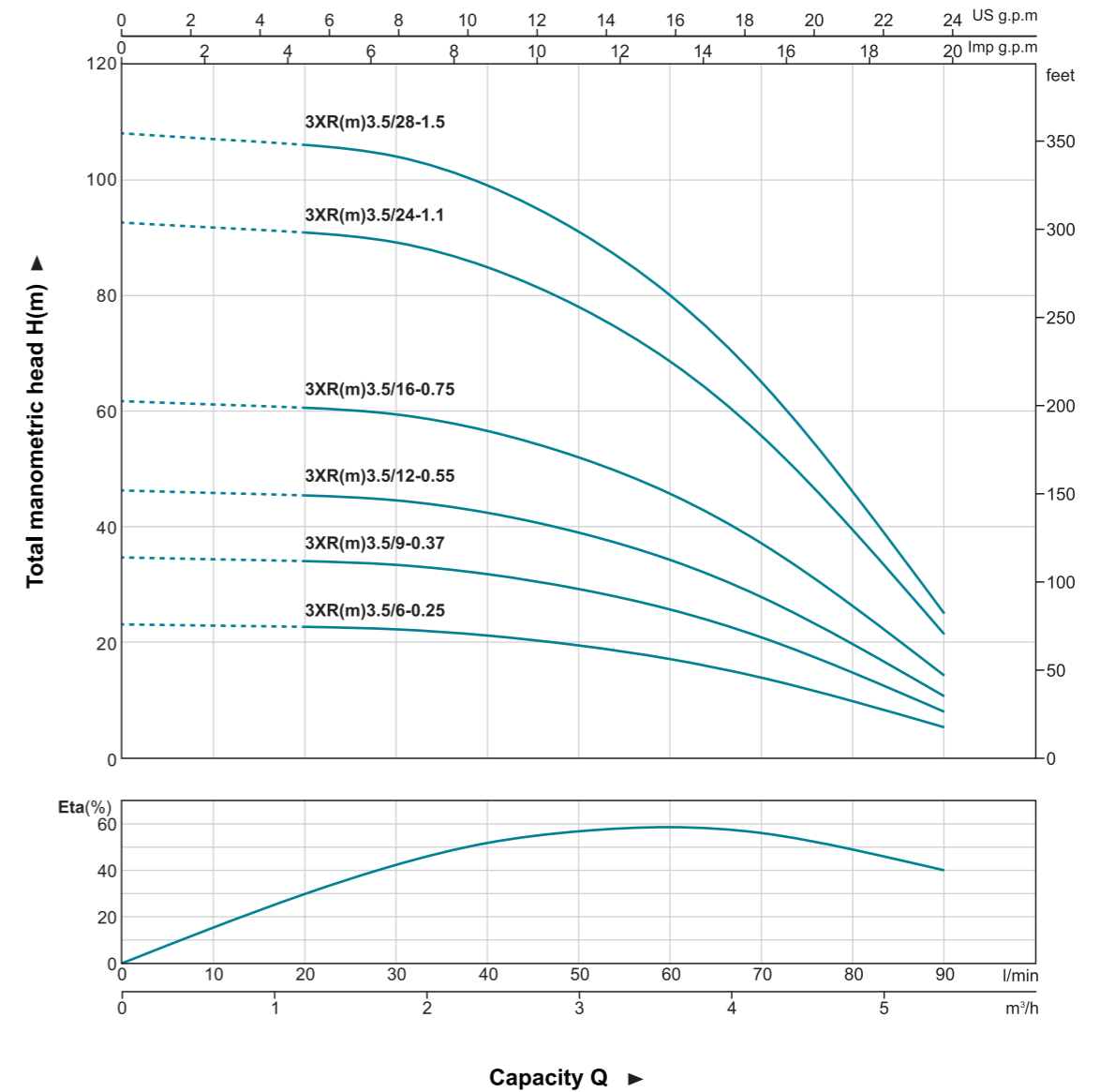
Technical Data

MODEL		P ₂		DELIVERY																				
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	n ≈ 2850 1/min																				
				Q	0		0.3		0.6		0.9		1.2		1.5		1.8		2.1		2.4		2.7	
				m ³ /h	0	5	10	15	20	25	30	35	40	45	0	5	10	15	20	25	30	35	40	45
3XRm1.8/8-0.18	3XR1.8/8-0.18	0.18	0.25	H(m)	35	34	34	33	32	29	26	22	17	11	35	34	34	33	32	29	26	22	17	11
3XRm1.8/11-0.25	3XR1.8/11-0.25	0.25	0.33		48	47	47	46	44	40	36	30	24	15	48	47	47	46	44	40	36	30	24	15
3XRm1.8/15-0.37	3XR1.8/15-0.37	0.37	0.5		65	64	64	63	60	55	49	41	33	21	65	64	64	63	60	55	49	41	33	21
3XRm1.8/21-0.55	3XR1.8/21-0.55	0.55	0.75		91	90	90	88	84	77	68	58	46	29	91	90	90	88	84	77	68	58	46	29
3XRm1.8/27-0.75	3XR1.8/27-0.75	0.75	1		117	116	115	113	107	99	88	75	59	38	117	116	115	113	107	99	88	75	59	38
3XRm1.8/39-1.1	3XR1.8/39-1.1	1.1	1.5		168	168	167	163	155	143	127	108	85	55	168	168	167	163	155	143	127	108	85	55
3XRm1.8/47-1.5	3XR1.8/47-1.5	1.5	2		203	202	201	196	187	172	153	130	102	66	203	202	201	196	187	172	153	130	102	66

3XR 2.5



3XR 3.5



Technical Data

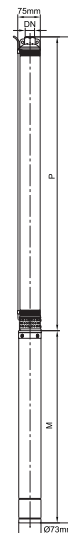
MODEL		P ₂		DELIVERY													
				n ≈ 2850 1/min													
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	H(m)												
					m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3
				l/min	0	5	10	15	20	25	30	35	40	45	50	55	60
3XRm2.5/8-0.25	3XR2.5/8-0.25	0.25	0.33	H(m)	32	32	31	30	30	29	27	26	24	21	18	13	8
3XRm2.5/11-0.37	3XR2.5/11-0.37	0.37	0.5		44	43	43	42	41	39	37	35	32	29	24	18	11
3XRm2.5/16-0.55	3XR2.5/16-0.55	0.55	0.75		64	63	62	61	59	57	54	51	47	42	35	27	16
3XRm2.5/21-0.75	3XR2.5/21-0.75	0.75	1		84	83	82	80	78	75	72	68	62	56	46	35	21
3XRm2.5/31-1.1	3XR2.5/31-1.1	1.1	1.5		124	122	121	118	115	111	106	100	91	82	68	52	31
3XRm2.5/37-1.5	3XR2.5/37-1.5	1.5	2		148	146	144	141	137	132	126	119	109	98	81	62	37

Technical Data

MODEL		P ₂		DELIVERY											
				n ≈ 2850 1/min											
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	H(m)										
					m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4
				l/min	0	10	20	30	40	50	60	70	80	90	
3XRm3.5/6-0.25	3XR3.5/6-0.25	0.25	0.33	H(m)	23	23	23	22	21	20	17	14	10	5	
3XRm3.5/9-0.37	3XR3.5/9-0.37	0.37	0.5		35	34	34	33	32	29	26	21	15	8	
3XRm3.5/12-0.55	3XR3.5/12-0.55	0.55	0.75		46	46	45	45	42	39	34	28	20	11	
3XRm3.5/16-0.75	3XR3.5/16-0.75	0.75	1		62	61	61	59	57	52	46	37	26	14	
3XRm3.5/24-1.1	3XR3.5/24-1.1	1.1	1.5		93	92	91	89	85	78	69	56	39	21	
3XRm3.5/28-1.5	3XR3.5/28-1.5	1.5	2		108	107	106	104	99	91	80	65	46	25	

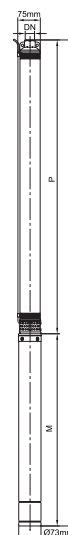
3XR 1.8

MODEL		DN	DIMENSIONS(mm)					WEIGHTS(kg)				
1~ 220 - 240V	3~ 380 - 415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
3XRm1.8/8-0.18	3XR1.8/8-0.18	1"/1¼"	377	288	288	665	665	1.8	4.0	4.0	5.8	5.8
3XRm1.8/11-0.25	3XR1.8/11-0.25	1"/1¼"	444	308	288	752	752	2.1	4.8	4.0	6.9	6.1
3XRm1.8/15-0.37	3XR1.8/15-0.37	1"/1¼"	535	338	308	873	873	2.4	5.6	4.8	8.0	7.2
3XRm1.8/21-0.55	3XR1.8/21-0.55	1"/1¼"	694	368	338	1062	1032	3.2	6.4	5.6	9.6	8.8
3XRm1.8/27-0.75	3XR1.8/27-0.75	1"/1¼"	830	408	368	1238	1198	3.5	7.5	6.4	11.0	9.9
3XRm1.8/39-1.1	3XR1.8/39-1.1	1"/1¼"	1101	493	448	1594	1549	4.9	10.0	8.7	14.9	13.6
3XRm1.8/47-1.5	3XR1.8/47-1.5	1"/1¼"	1306	543	493	1849	1799	5.8	11.3	10.0	17.1	15.8



3XR 2.5

MODEL		DN	DIMENSIONS(mm)					WEIGHTS(kg)				
1~ 220 - 240V	3~ 380 - 415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
3XRm2.5/8-0.25	3XR2.5/8-0.25	1"/1¼"	405	308	288	713	693	1.8	4.8	4.0	6.6	5.8
3XRm2.5/11-0.37	3XR2.5/11-0.37	1"/1¼"	483	338	308	821	791	2.1	5.6	4.8	7.7	6.9
3XRm2.5/16-0.55	3XR2.5/16-0.55	1"/1¼"	613	368	338	981	951	2.5	6.4	5.6	8.9	8.1
3XRm2.5/21-0.75	3XR2.5/21-0.75	1"/1¼"	768	408	368	1176	1136	3.2	7.5	6.4	10.7	9.6
3XRm2.5/31-1.1	3XR2.5/31-1.1	1"/1¼"	1029	493	448	1522	1477	4.1	10.0	8.7	14.1	12.8
3XRm2.5/37-1.5	3XR2.5/37-1.5	1"/1¼"	1209	543	493	1752	1702	4.7	11.3	10.0	16.0	14.7



3XR 3.5

MODEL		DN	DIMENSIONS(mm)					WEIGHTS(kg)				
1~ 220 - 240V	3~ 380 - 415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
3XRm3.5/6-0.25	3XR3.5/6-0.25	1"/1¼"	397	308	288	705	685	1.7	4.8	4.0	6.5	5.7
3XRm3.5/9-0.37	3XR3.5/9-0.37	1"/1¼"	498	338	308	836	806	2.0	5.6	4.8	7.6	6.8
3XRm3.5/12-0.55	3XR3.5/12-0.55	1"/1¼"	599	368	338	967	937	2.3	6.4	5.6	8.7	7.9
3XRm3.5/16-0.75	3XR3.5/16-0.75	1"/1¼"	757	408	368	1165	1125	2.8	7.5	6.4	10.3	9.2
3XRm3.5/24-1.1	3XR3.5/24-1.1	1"/1¼"	1026	493	448	1519	1474	3.9	10.0	8.7	13.9	12.6
3XRm3.5/28-1.5	3XR3.5/28-1.5	1"/1¼"	1184	543	493	1727	1677	4.3	11.3	10.0	15.6	14.3

