

# XR



### Application

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

### Operating conditions

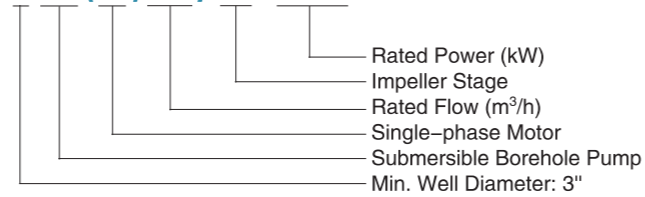
- Maximum fluid temperature up to +35°C
- Maximum sand content: 0.25%
- Maximum immersion: 80 m
- Minimum well diameter: 3"

### Motor and Pump

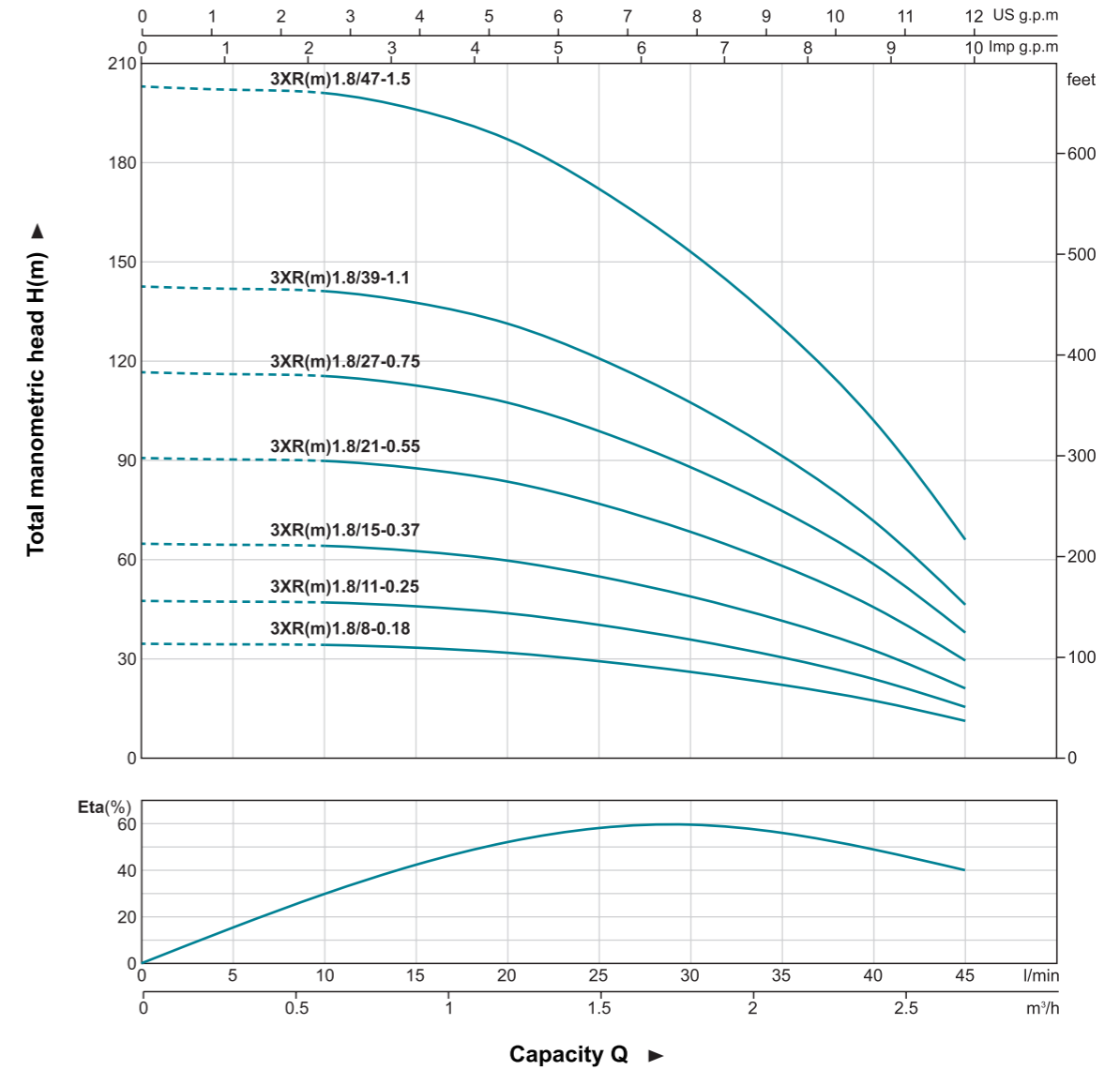
- Rewindable motor or full obturated screen motor
- **Three-phase:** 380V–415V/50Hz
- **Single-phase:** 220V–240V/50Hz
- Pumps are designed by casing stressed
- Curve tolerance according to ISO 9906

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



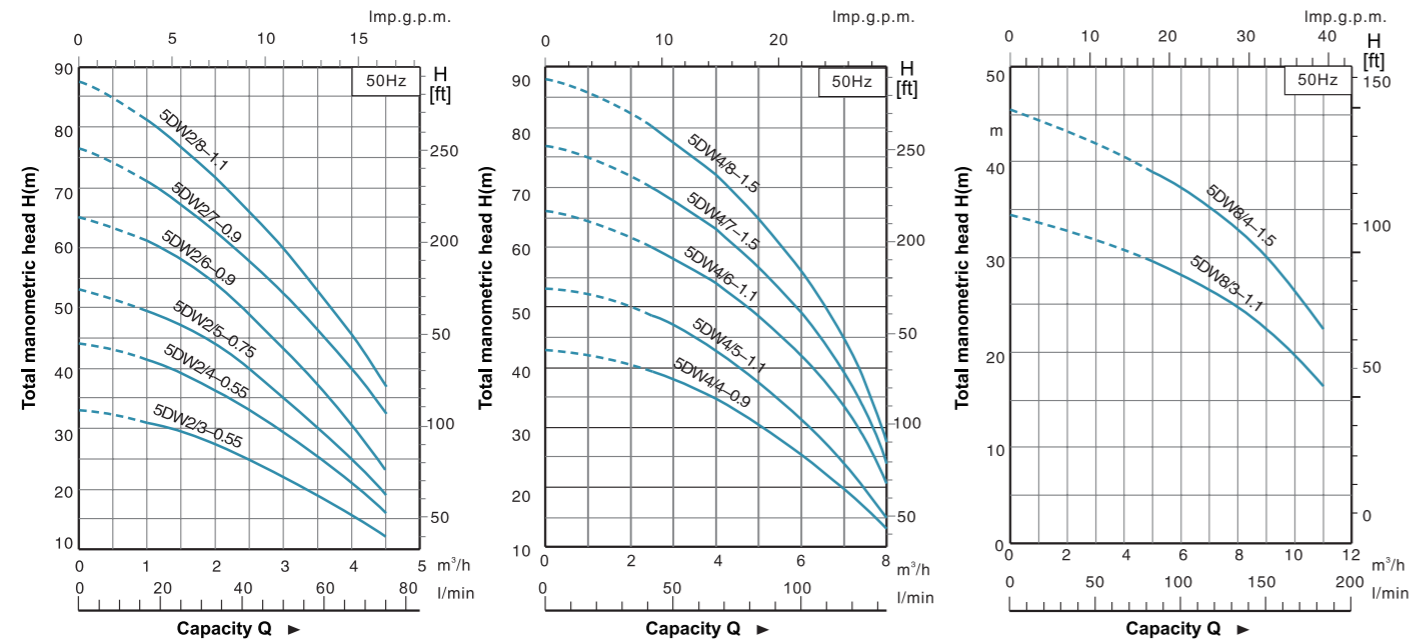
# 3XR 1.8



### Technical Data

MODEL		P <sub>2</sub>		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 <sup>3</sup> /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

### Hydraulic Performance Curves



### Technical Data

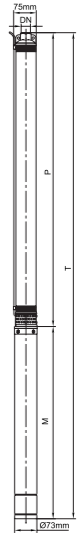
Model		P <sub>2</sub>		Q	H									
3~	1~	kW	HP		m³/h	0	1	1.5	2	2.5	3	3.5	4	4.5
5DW2/3-0.55	5DWm2/3-0.55	0.55	0.75	0	0	16.6	25	33.3	41.6	50	58.3	66.6	75	
5DW2/4-0.55	5DWm2/3-0.55	0.55	0.75	1	33	31	29.5	27.5	25	22	19	16	12	
5DW2/5-0.75	5DWm2/5-0.75	0.75	1	2	44	41.5	39.5	36.5	33.5	29.5	25.5	21	16	
5DW2/6-0.9	5DWm2/6-0.9	0.9	1.2	3	53	49.5	47	44	40	35	30	25	19	
5DW2/7-0.9	5DWm2/7-0.9	0.9	1.2	4	65	61	58	54	49	43	37	30.5	23	
5DW2/8-1.1	5DWm2/8-1.1	1.1	1.5	5	76.5	71	67.5	62.5	57.5	52.5	46	40	32.5	
				6	87.5	81	77	71.5	66	60	52.5	46	37	

Model		P <sub>2</sub>		Q	H									
3~	1~	kW	HP		m³/h	0	2.5	3	3.5	4	4.5	5	6	7
5DW4/4-0.9	5DWm4/4-0.9	0.9	1.2	0	0	41.6	50	58.3	66.6	75	83.3	100	116	133
5DW4/5-1.1	5DWm4/5-1.1	1.1	1.5	1	43	39	38	36.5	35	33	30	25.5	19.5	13
5DW4/6-1.1	5DWm4/6-1.1	1.1	1.5	2	53	48	46.5	45	43	40	37.5	32	24	15
5DW4/7-1.5	5DWm4/7-1.5	1.5	2	3	66	60	58	56	54	51.5	49	42	34	20.5
5DW4/8-1.5	5DWm4/8-1.5	1.5	2	4	77	70	68	65.5	63	60	57	49	39.5	24
				5	88	80	77.5	75	72	68.5	65	56	45	27.5

Model		P <sub>2</sub>		Q	H									
3~	1~	kW	HP		m³/h	0	5	6	7	8	9	10	11	
5DW8/3-1.1	5DWm8/3-1.1	1.1	1.5	0	0	83.3	100	116	133	150	166	183		
5DW8/4-1.5	5DWm8/4-1.5	1.5	2	1	34.5	29.5	28	26.5	24.5	22.5	20	16.5		
				2	45.5	39	37	35	32.5	30	26.5	22.5		

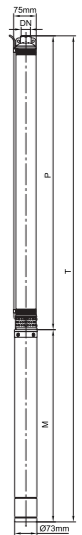
### 3XR 1.8

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

