



# XR

## Application

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

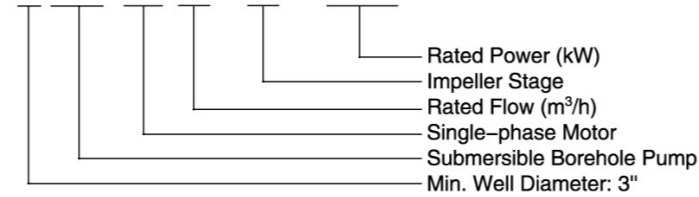
## Operating conditions

- Maximum fluid temperature up to +35°C
- Maximum sand content: 0.25%
- Maximum immersion: 80 m
- Minimum well diameter: 3" 3.5" 4"

## Motor and Pump

- Rewindable motor or full obturated screen motor
- **Three-Phase:** 380 - 415V/50Hz
- **Single-Phase:** 220 - 240V/50Hz
- Pumps are designed by casing stressed
- **NEMA** dimension standards
- Equip with start control box or digital auto-control

### 3 XR (m) 2 / 11 - 0.25



- Single phase
- 220V~240V/50Hz
- Power: 0.25~1.5kW



- Single phase
- 220V~240V/50Hz
- Power: 2.2kW, 3kW



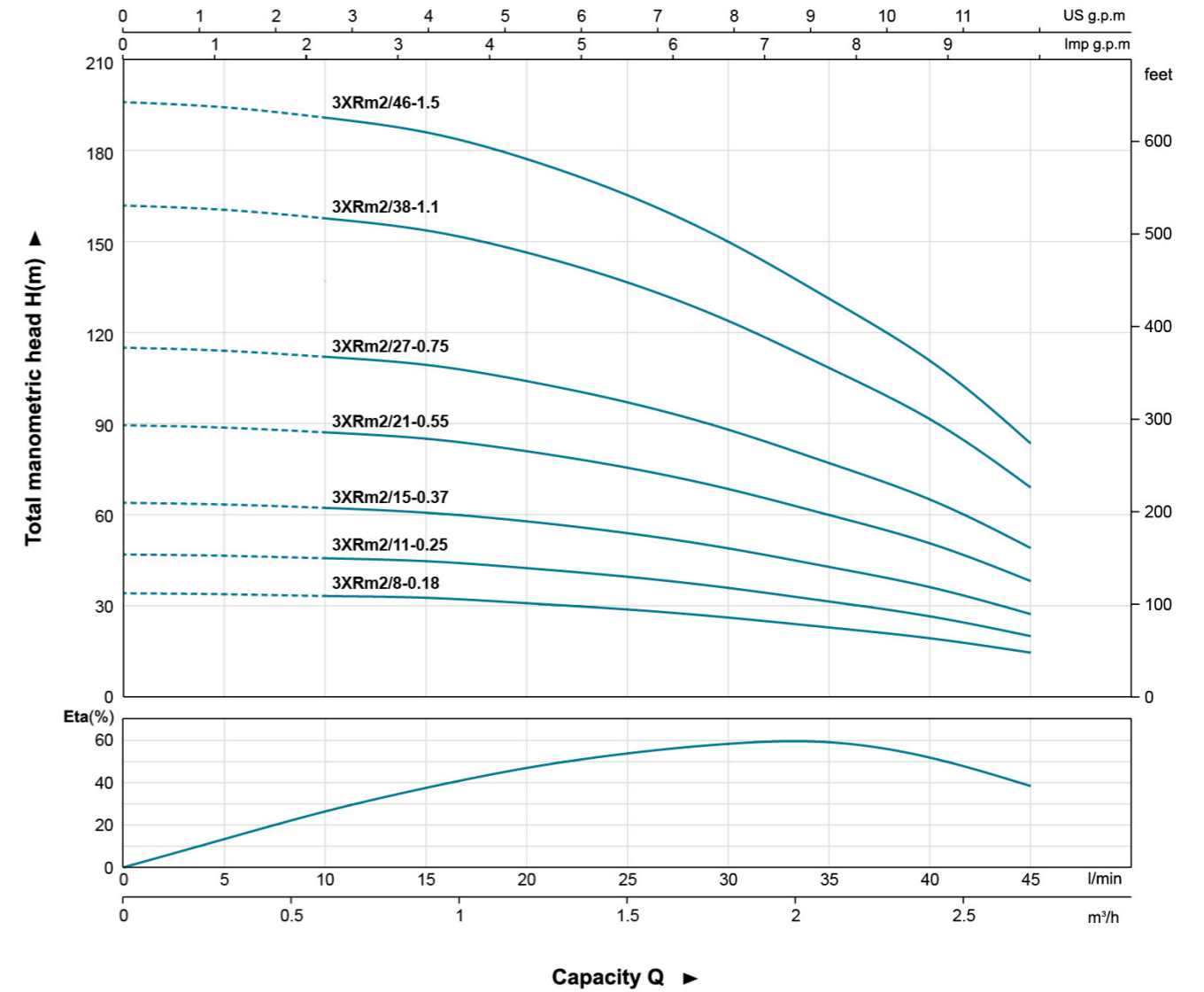
- Three phase
- 380V~415V/50Hz
- Power: 0.37~5.5kW



- Three phase
- 380V~415V/50Hz
- Power: 7kw, 7.5kw

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 2



## Technical Data

MODEL	P <sub>2</sub>		Q	DELIVERY n ≈ 2850 1/min											
	kW	HP		0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7		
3XRm2/8-0.18	0.18	0.25	H(m)	34	34	33	33	31	29	26	23	19	14		
3XRm2/11-0.25	0.25	0.33		47	46	45	45	43	40	36	32	27	20		
3XRm2/15-0.37	0.37	0.5		64	63	62	61	58	54	49	43	36	27		
3XRm2/21-0.55	0.55	0.75		89	89	87	85	81	76	68	60	51	38		
3XRm2/27-0.75	0.75	1		115	114	112	110	104	97	88	77	65	49		
3XRm2/38-1.1	1.1	1.5		162	160	157	154	147	137	124	109	92	69		
3XRm2/46-1.5	1.5	2		196	194	190	187	178	166	150	132	111	83		

**Technical Data**

MODEL		P <sub>2</sub>		DELIVERY n≈2850 1/min										
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m <sup>3</sup> /h l/min	0	1	1.5	2	2.5	3	3.5	4	4.5	5
					0	16.6	25	33.3	41.6	50	58.3	66.6	75	83.2
5DWm2/3-0.55P	5DW2/3-0.55P	0.55	0.75	H(m)	38	35	33	31	28.5	25	20.5	16.5	12	7
5DWm2/4-0.6P	5DW2/4-0.6P	0.6	0.8		49	46	43.5	40	37	32.5	27.5	22	16	10
5DWm2/5-0.75P	5DW2/5-0.75P	0.75	1		60	56	52.5	48.5	44	39	33	26	19	11
5DWm2/6-0.9P	5DW2/6-0.9P	0.9	1.2		73	68	64	60	54	48	40.5	32	23	14.5
5DWm2/7-1.1P	5DW2/7-1.1P	1.1	1.5		85	80	76	70	65	57	48	38.5	30	18
5DWm2/8-1.3P	5DW2/8-1.3P	1.3	1.75		97	91	87	80	74	65	55	44	32	20

MODEL		P <sub>2</sub>		DELIVERY n≈2850 1/min										
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m <sup>3</sup> /h l/min	0	1	1.5	2	2.5	3	3.5	4	4.5	5
					0	16.6	25	33.3	41.6	50	58.3	66.6	75	83.2
5DWm2/3-0.55	5DW2/3-0.55	0.55	0.75	H(m)	33	31	29.5	27.5	25	22	19	16	12	
5DWm2/4-0.55	5DW2/4-0.55	0.55	0.75		44	41.5	39.5	36.5	33.5	29.5	25.5	21	16	
5DWm2/5-0.75	5DW2/5-0.75	0.75	1		53	49.5	47	44	40	35	30	25	19	
5DWm2/6-0.9	5DW2/6-0.9	0.9	1.2		65	61	58	54	49	43	37	30.5	23	
5DWm2/7-0.9	5DW2/7-0.9	0.9	1.2		76.5	71	67.5	62.5	57.5	52.5	46	40	32.5	
5DWm2/8-1.1	5DW2/8-1.1	1.1	1.5		87.5	81	77	71.5	66	60	52.5	46	37	

MODEL		P <sub>2</sub>		DELIVERY n≈2850 1/min										
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m <sup>3</sup> /h l/min	0	2.5	3	3.5	4	4.5	5	6	7	8
					0	41.6	50	58.3	66.6	75	83.3	100	116	133
5DWm4/4-0.9	5DW4/4-0.9	0.9	1.2	H(m)	43	39	38	36.5	35	33	30	25.5	19.5	13
5DWm4/5-1.1	5DW4/5-1.1	1.1	1.5		53	48	46.5	45	43	40	37.5	32	24	15
5DWm4/6-1.1	5DW4/6-1.1	1.1	1.5		66	60	58	56	54	51.5	49	42	34	20.5
5DWm4/7-1.5	5DW4/7-1.5	1.5	2		77	70	68	65.5	63	60	57	49	39.5	24
5DWm4/8-1.5	5DW4/8-1.5	1.5	2		88	80	77.5	75	72	68.5	65	56	45	27.5

MODEL		P <sub>2</sub>		DELIVERY n≈2850 1/min										
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m <sup>3</sup> /h l/min	0	5	6	7	8	9	10	11	11	
					0	83.3	100	116	133	150	166	183	183	
5DWm8/3-1.1	5DW8/3-1.1	1.1	1.5	H(m)	34.5	29.5	28	26.5	24.5	22.5	20	16.5	16.5	
5DWm8/4-1.5	5DW8/4-1.5	1.5	2		45.5	39	37	35	32.5	30	26.5	22.5	22.5	

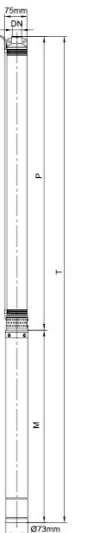
**3XR 2**

MODEL	DN	DIMENSIONS(mm)					WEIGHTS(kg)				
		P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
3XRm2/8-0.18	1"1/4"/1 1/2"	377	288	288	665	665	1.8	4.0	4.0	5.8	5.8
3XRm2/11-0.25	1"1/4"/1 1/2"	444	308	288	752	752	2.1	4.8	4.0	6.9	6.1
3XRm2/15-0.37	1"1/4"/1 1/2"	535	338	308	873	873	2.4	5.6	4.8	8.0	7.2
3XRm2/21-0.55	1"1/4"/1 1/2"	694	368	338	1062	1032	3.2	6.4	5.6	9.6	8.8
3XRm2/27-0.75	1"1/4"/1 1/2"	830	408	368	1238	1198	3.5	7.5	6.4	11.0	9.9
3XRm2/38-1.1	1"1/4"/1 1/2"	1101	493	448	1594	1549	4.9	10.0	8.7	14.9	13.6
3XRm2/46-1.5	1"1/4"/1 1/2"	1306	543	493	1849	1799	5.8	11.3	10.0	17.1	15.8



**3XR 3**

MODEL	DN	DIMENSIONS(mm)					WEIGHTS(kg)				
		P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
3XRm3/8-0.25	1"1/4"/1 1/2"	405	308	288	713	693	1.8	4.8	4.0	6.6	5.8
3XRm3/11-0.37	1"1/4"/1 1/2"	483	338	308	821	791	2.1	5.6	4.8	7.7	6.9
3XRm3/16-0.55	1"1/4"/1 1/2"	613	368	338	981	951	2.5	6.4	5.6	8.9	8.1
3XRm3/21-0.75	1"1/4"/1 1/2"	768	408	368	1176	1136	3.2	7.5	6.4	10.7	9.6
3XRm3/31-1.1	1"1/4"/1 1/2"	1029	493	448	1522	1477	4.1	10.0	7.5	14.1	12.8
3XRm3/37-1.5	1"1/4"/1 1/2"	1209	543	493	1752	1702	4.7	11.3	10.0	16.0	14.7



**3XR 4**

MODEL	DN	DIMENSIONS(mm)					WEIGHTS(kg)				
		P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
3XRm4/6-0.25	1"1/4"/1 1/2"	397	308	288	705	685	1.7	4.8	4.0	6.5	5.7
3XRm4/9-0.37	1"1/4"/1 1/2"	498	338	308	836	806	2.0	5.6	4.8	7.6	6.8
3XRm4/12-0.55	1"1/4"/1 1/2"	599	368	338	967	937	2.3	6.4	5.6	8.7	7.9
3XRm4/16-0.75	1"1/4"/1 1/2"	757	408	368	1165	1125	2.8	7.5	6.4	10.3	9.2
3XRm4/24-1.1	1"1/4"/1 1/2"	1026	493	448	1519	1474	3.9	10.0	8.7	13.9	12.6
3XRm4/28-1.5	1"1/4"/1 1/2"	1184	543	493	1727	1677	4.3	11.3	10.0	15.6	14.3

