

AC PUMP CURVES

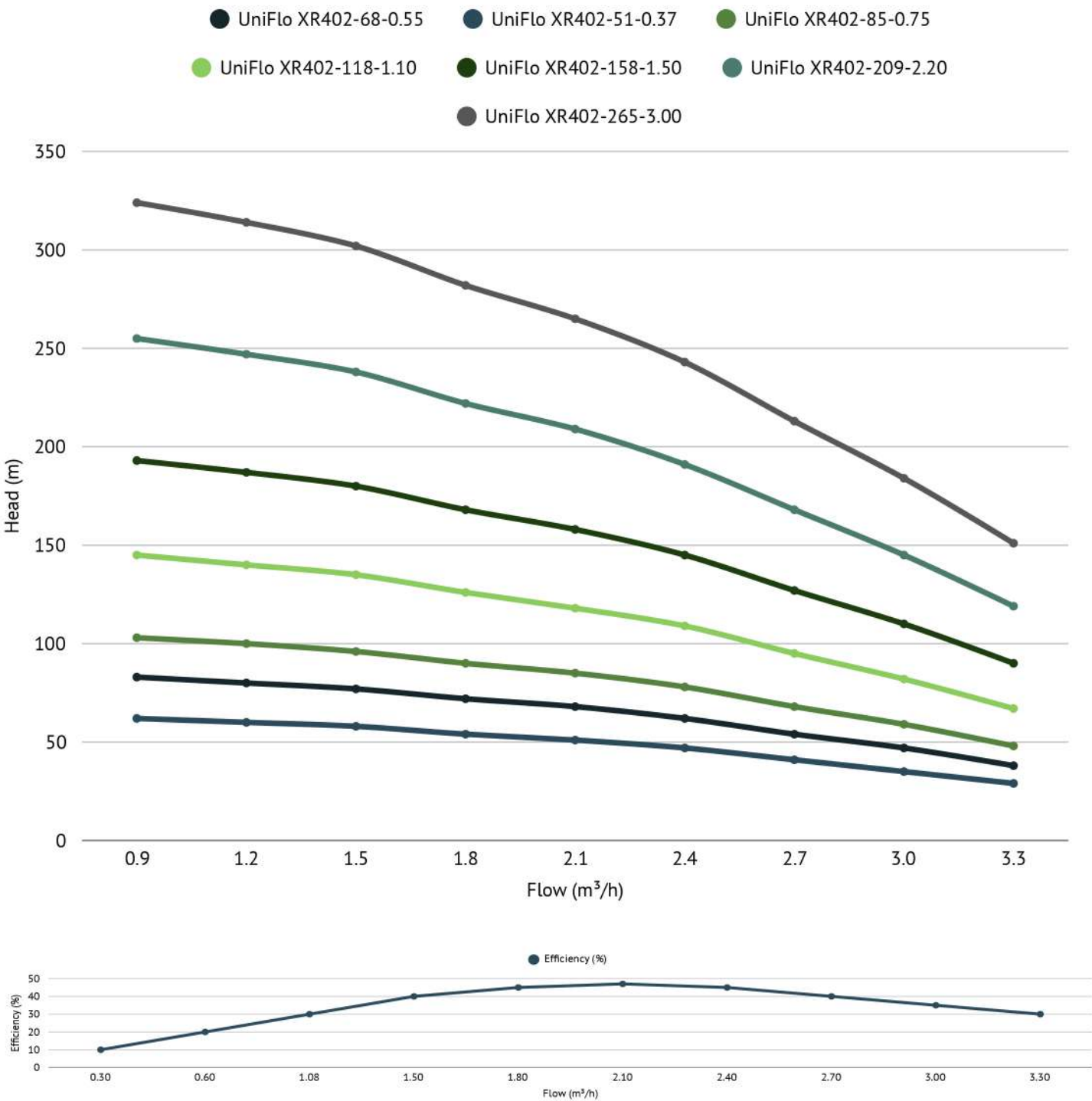
CEDAR



UniFlo

www.cedarpumps.com

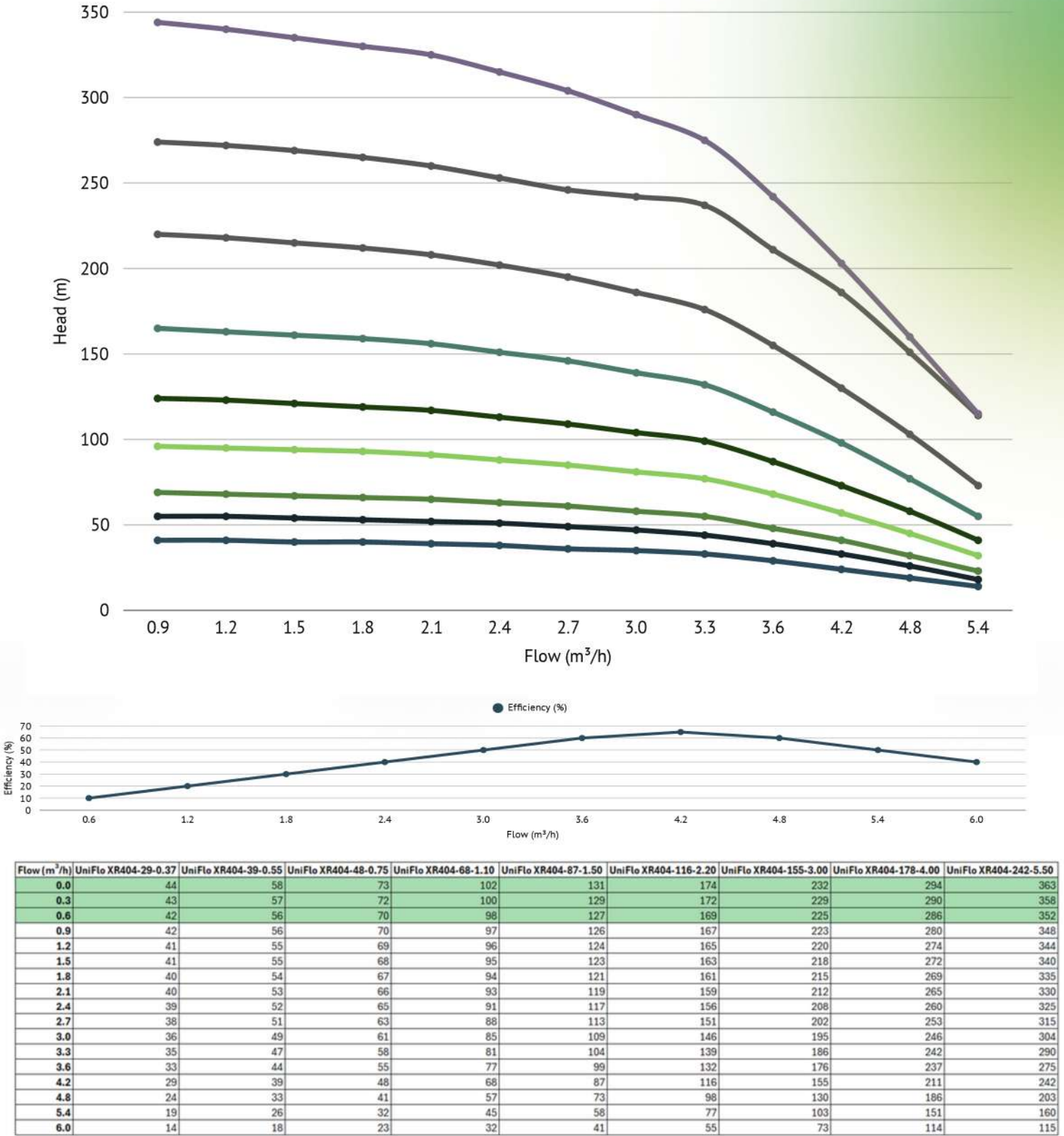
Uniflo XR402



Flow (m³/h)	UniFlo XR402-51-0.37	UniFlo XR402-68-0.55	UniFlo XR402-85-0.75	UniFlo XR402-118-1.10	UniFlo XR402-158-1.50	UniFlo XR402-209-2.20	UniFlo XR402-265-3.00
0.0	64	85	106	149	198	262	333
0.3	63	84	105	147	196	259	329
0.6	63	84	105	146	195	258	328
0.9	62	83	103	145	193	255	324
1.2	60	80	100	140	187	247	314
1.5	58	77	96	135	180	238	302
1.8	54	72	90	126	168	222	282
2.1	51	68	85	118	158	209	265
2.4	47	62	78	109	145	191	243
2.7	41	54	68	95	127	168	213
3.0	35	47	59	82	110	145	184
3.3	29	38	48	67	90	119	151

Highlighted flow rates fall outside the recommended operating curve and should be avoided.

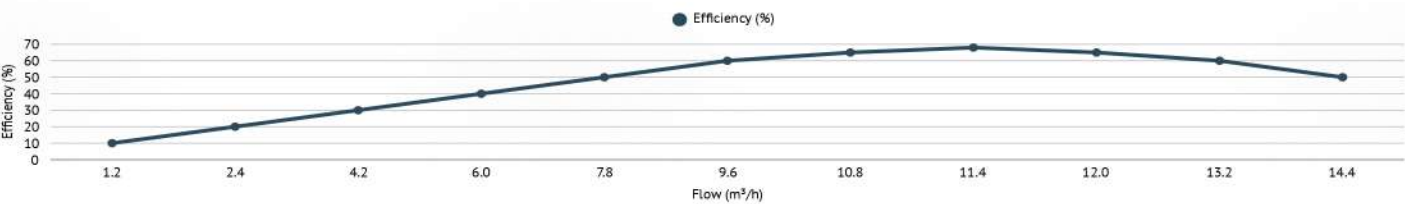
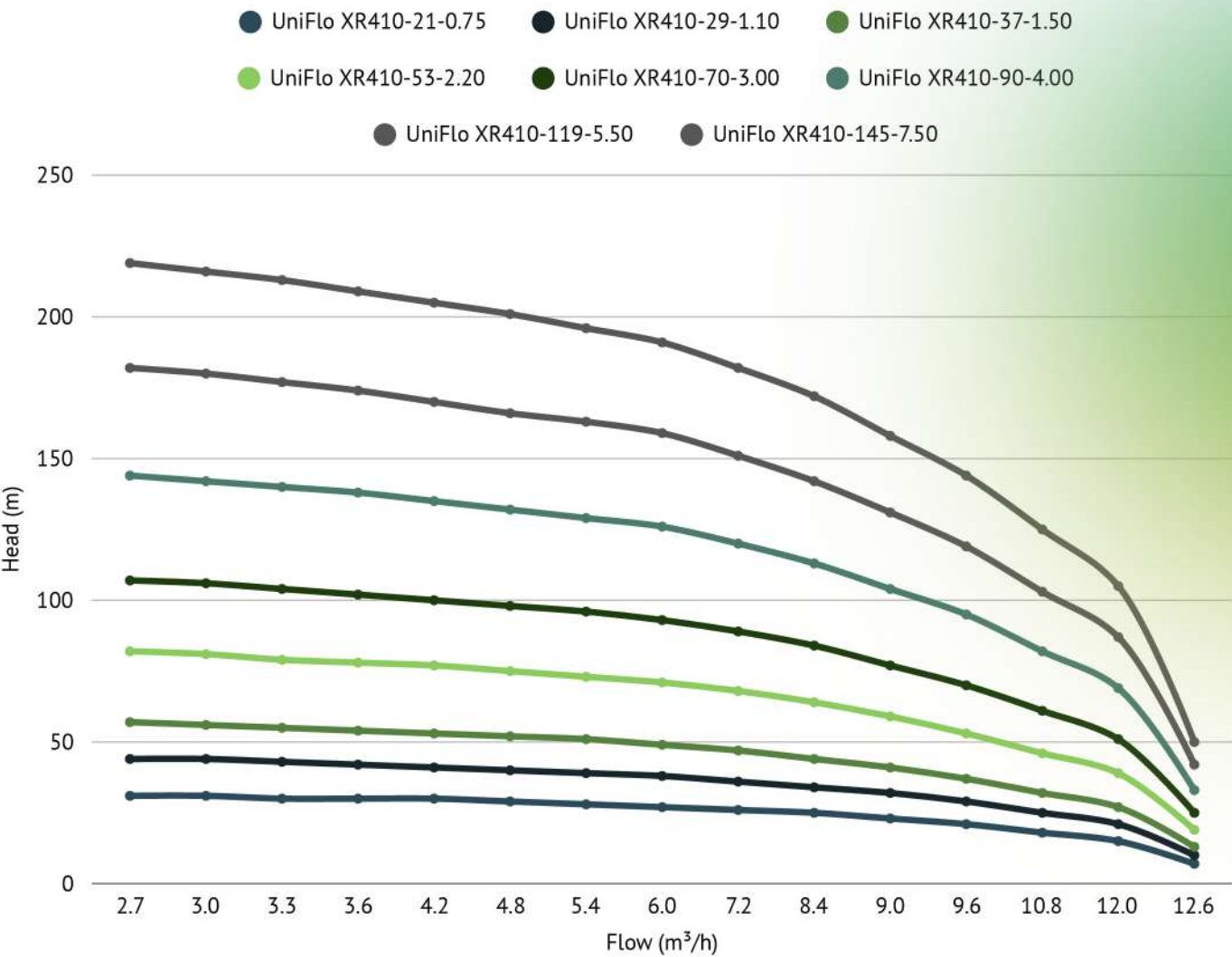
- UniFlo XR404-29-0.37
- UniFlo XR404-39-0.55
- UniFlo XR404-48-0.75
- UniFlo XR404-68-1.10
- UniFlo XR404-87-1.50
- UniFlo XR404-116-2.20
- UniFlo XR404-155-3.00
- UniFlo XR404-178-4.00
- UniFlo XR404-242-5.50



Highlighted flow rates fall outside the recommended operating curve and should be avoided.

Uniflo XR410

CEDAR PUMPS



Flow (m³/h)	UniFlo XR410-21-0.75	UniFlo XR410-29-1.10	UniFlo XR410-37-1.50	UniFlo XR410-53-2.20	UniFlo XR410-70-3.00	UniFlo XR410-90-4.00	UniFlo XR410-119-5.50	UniFlo XR410-145-7.50
0.0	34	47	61	88	115	155	195	236
2.4	32	45	57	83	108	146	184	222
2.7	31	44	57	82	107	144	182	219
3.0	31	44	56	81	106	142	180	216
3.3	30	43	55	79	104	140	177	213
3.6	30	42	54	78	102	138	174	209
4.2	30	41	53	77	100	135	170	205
4.8	29	40	52	75	98	132	166	201
5.4	28	39	51	73	96	129	163	196
6	27	38	49	71	93	126	159	191
7.2	26	36	47	68	89	120	151	182
8.4	25	34	44	64	84	113	142	172
9	23	32	41	59	77	104	131	158
9.6	21	29	37	53	70	95	119	144
10.8	18	25	32	46	61	82	103	125
12	15	21	27	39	51	69	87	105
12.6	7	10	13	19	25	33	42	50

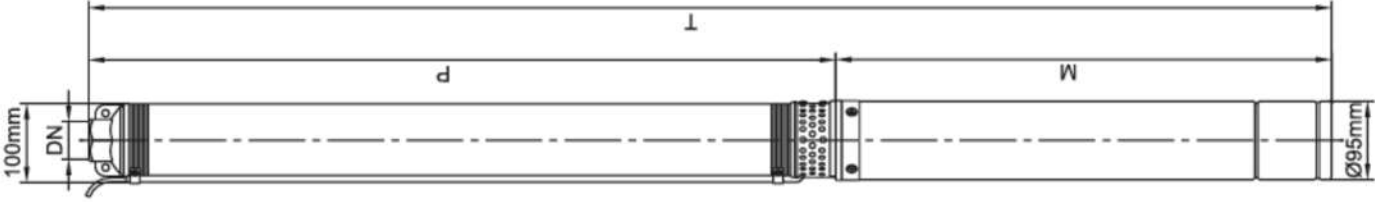
Highlighted flow rates fall outside the recommended operating curve and should be avoided.

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	4.2	4.8	5.4	6.0	7.2	8.4	9.0	9.6	10.8	12.0	12.6	14.4
10	KR404-29-0.37	KR404-29-0.37	KR404-29-0.37	KR404-29-0.37	KR410-21-0.75	KR410-21-0.75	KR410-21-0.75	KR410-21-0.75	KR410-21-0.75	KR410-21-0.75	KR410-21-0.75	KR410-37-1.50
20	KR404-29-0.37	KR404-29-0.37	KR404-39-0.55	KR410-21-0.75	KR410-21-0.75	KR410-21-0.75	KR410-21-0.75	KR410-21-0.75	KR410-21-0.75	KR410-29-1.10	KR410-29-1.10	KR410-70-3.00
30	KR404-39-0.55	KR404-39-0.55	KR404-48-0.75	KR410-29-1.10	KR410-29-1.10	KR410-29-1.10	KR410-29-1.10	KR410-29-1.10	KR410-29-1.10	KR410-37-1.50	KR410-53-2.20	KR410-90-4.00
40	KR404-48-0.75	KR404-48-0.75	KR404-68-1.10	KR410-37-1.50	KR410-37-1.50	KR410-37-1.50	KR410-37-1.50	KR410-37-1.50	KR410-37-1.50	KR410-53-2.20	KR410-53-2.20	KR410-70-3.00
50	KR404-68-1.10	KR404-68-1.10	KR404-87-1.50	KR410-37-1.50	KR410-53-2.20	KR410-53-2.20	KR410-53-2.20	KR410-53-2.20	KR410-53-2.20	KR410-53-2.20	KR410-70-3.00	KR410-70-3.00
60	KR404-68-1.10	KR404-87-1.50	KR404-116-2.20	KR410-53-2.20	KR410-53-2.20	KR410-53-2.20	KR410-53-2.20	KR410-70-3.00	KR410-70-3.00	KR410-70-3.00	KR410-90-4.00	
70	KR404-87-1.50	KR404-87-1.50	KR404-116-2.20	KR410-53-2.20	KR410-53-2.20	KR410-70-3.00	KR410-70-3.00	KR410-70-3.00	KR410-70-3.00	KR410-90-4.00	KR410-90-4.00	KR410-119-5.50
80	KR404-87-1.50	KR404-116-2.20	KR404-155-3.00	KR410-70-3.00	KR410-70-3.00	KR410-70-3.00	KR410-70-3.00	KR410-70-3.00	KR410-90-4.00	KR410-90-4.00	KR410-90-4.00	KR410-119-5.50
90	KR404-116-2.20	KR404-116-2.20	KR404-155-3.00	KR410-70-3.00	KR410-70-3.00	KR410-90-4.00	KR410-90-4.00	KR410-90-4.00	KR410-90-4.00	KR410-90-4.00	KR410-119-5.50	KR410-145-7.50
100	KR404-116-2.20	KR404-155-3.00	KR404-155-3.00	KR410-90-4.00	KR410-90-4.00	KR410-90-4.00	KR410-90-4.00	KR410-90-4.00	KR410-90-4.00	KR410-119-5.50	KR410-119-5.50	KR410-145-7.50
110	KR404-116-2.20	KR404-155-3.00	KR404-178-4.00	KR410-90-4.00	KR410-90-4.00	KR410-90-4.00	KR410-90-4.00	KR410-90-4.00	KR410-119-5.50	KR410-119-5.50	KR410-145-7.50	
120	KR404-155-3.00	KR404-155-3.00	KR404-178-4.00	KR410-90-4.00	KR410-90-4.00	KR410-119-5.50	KR410-119-5.50	KR410-119-5.50	KR410-119-5.50	KR410-145-7.50	KR410-145-7.50	
130	KR404-155-3.00	KR404-178-4.00	KR404-178-4.00	KR410-119-5.50	KR410-119-5.50	KR410-119-5.50	KR410-119-5.50	KR410-119-5.50	KR410-119-5.50	KR410-145-7.50		
140	KR404-155-3.00	KR404-178-4.00	KR404-178-4.00	KR410-119-5.50	KR410-119-5.50	KR410-119-5.50	KR410-119-5.50	KR410-119-5.50	KR410-145-7.50	KR410-145-7.50		
150	KR404-155-3.00	KR404-178-4.00	KR404-178-4.00	KR410-119-5.50	KR410-119-5.50	KR410-119-5.50	KR410-145-7.50	KR410-145-7.50				
160	KR404-178-4.00	KR404-178-4.00	KR410-119-5.50	KR410-119-5.50	KR410-145-7.50	KR410-145-7.50	KR410-145-7.50					
170	KR404-178-4.00	KR404-178-4.00	KR410-145-7.50	KR410-145-7.50	KR410-145-7.50	KR410-145-7.50	KR410-145-7.50					
180	KR404-178-4.00	KR404-178-4.00	KR410-145-7.50	KR410-145-7.50	KR410-145-7.50	KR410-145-7.50						
190	KR404-178-4.00	KR404-242-5.50	KR410-145-7.50	KR410-145-7.50	KR410-145-7.50							
200	KR404-178-4.00	KR404-242-5.50	KR410-145-7.50									
250												
300												
320												



Dimensions



Model	DN Standard	Dimension P (mm)	Dimension M(s) (mm)	Dimension M(r) (mm)	Dimension T(s) (mm)	Dimension T(r) (mm)	Weight P (kg)	Weight M(s) (kg)	Weight M(r) (kg)	Weight T(s) (kg)	Weight T(r) (kg)
XR402-51-0.37	1 1/4"	444	309	309	753	884	3.6	6.8	6.8	10.4	-
XR402-68-0.55	1 1/4"	518	366	366	884	920	4.1	8.3	8.3	12.4	10.9
XR402-85-0.75	1 1/4"	591	329	329	940	920	4.7	8.5	7.9	13.2	12.6
XR402-118-1.10	1 1/4"	768	399	369	1167	1137	6.6	10.9	9.8	17.5	16.4
XR402-158-1.50	1 1/4"	938	459	414	1397	1352	7.4	13.9	11.5	21.3	18.9
XR402-209-2.20	1 1/4"	1188	514	474	1702	1662	9.3	16.4	14.4	25.7	23.7
XR402-265-3.00	1 1/4"	1431	682	579	2113	2010	11.2	21.5	19.8	32.7	31
XR404-29-0.37	1 1/4"	394	309	309	703	759	2.9	6.8	6.8	9.7	-
XR404-39-0.55	1 1/4"	450	366	309	816	836	3.9	8.3	7.9	12.2	10.7
XR404-48-0.75	1 1/4"	507	349	329	856	836	4.9	8.5	7.9	13.4	12.8
XR404-68-1.10	1 1/4"	619	399	369	1018	988	6.9	10.9	9.8	16.8	16.7
XR404-87-1.50	1 1/4"	763	459	414	1222	1177	8.9	13.9	11.5	20.8	20.4
XR404-116-2.20	1 1/4"	932	514	474	1446	1406	10.9	16.4	14.4	24.3	25.3
XR404-155-3.00	1 1/4"	1182	579	502	1799	1729	12.9	21.5	19.8	34.2	32.7
XR404-178-4.00	1 1/4"	1485	-	695	2180	-	11.3	-	23	-	34.3
XR404-242-5.50	1 1/4"	1776	-	773	2549	-	15.9	-	28	-	43.9
XR410-21-0.75	2"	449	349	329	798	778	3.9	8.5	7.9	12.4	11.8
XR410-29-1.10	2"	533	399	369	932	902	4.4	10.9	9.8	15.3	14.2
XR410-37-1.50	2"	617	459	414	1076	1031	5	13.9	11.5	18.9	16.5
XR410-53-2.20	2"	820	514	474	1334	1294	6.4	16.4	14.4	22.8	20.8
XR410-70-3.00	2"	988	682	579	1670	1567	7.7	21.5	19.8	29.2	27.5
XR410-90-4.00	2"	1265	-	695	1960	-	9.6	-	23	-	32.6
XR410-119-5.50	2"	1527	-	773	2300	-	11.3	-	28	-	39.3
XR410-145-7.50	2"	1804	-	875	2679	-	13.6	-	34.6	-	48.2

* S = Single phase * T = Three phase

Yield per kW

CEDAR PUMPS

kW/Yield	Flow (m ³ /h)																						
	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	4.2	4.8	5.4	6.0	7.2	8.4	9.0	9.6	10.8	12.0	12.6	14.4
10	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.5
20	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.55	0.75	0.75	0.75	0.75	0.75	0.75	1.1	1.1	3
30	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.55	0.55	0.75	1.1	1.1	1.1	1.1	1.1	1.5	2.2	2.2	4
40	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.55	0.55	0.55	0.75	0.75	1.1	1.5	1.5	1.5	1.5	1.5	2.2	2.2	3	5.5
50	0.37	0.37	0.37	0.37	0.37	0.37	0.55	0.55	0.75	0.75	0.75	1.1	1.1	1.5	1.5	2.2	2.2	2.2	2.2	2.2	3	3	
60	0.37	0.37	0.55	0.55	0.55	0.55	0.55	0.75	0.75	1.1	1.1	1.1	1.5	2.2	2.2	2.2	2.2	2.2	3	3	4		
70	0.55	0.55	0.55	0.55	0.55	0.75	0.75	1.1	1.1	1.1	1.1	1.5	1.5	2.2	2.2	2.2	3	3	3	4	4	5.5	
80	0.55	0.55	0.75	0.75	0.75	0.75	1.1	1.1	1.1	1.1	1.5	1.5	2.2	3	3	3	3	3	4	4	4	5.5	
90	0.75	0.75	0.75	0.75	1.1	1.1	1.1	1.1	1.5	1.5	1.5	2.2	2.2	3	3	3	4	4	4	4	5.5	7.5	
100	0.75	0.75	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	2.2	2.2	3	3	4	4	4	4	4	5.5	5.5	7.5	
110	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	2.2	2.2	2.2	2.2	3	4	4	4	4	4	5.5	5.5	7.5		
120	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	2.2	2.2	2.2	3	3	4	4	4	5.5	5.5	5.5	7.5	7.5		
130	1.1	1.1	1.1	1.1	1.5	1.5	1.5	2.2	2.2	2.2	2.2	3	4	4	5.5	5.5	5.5	5.5	5.5	7.5			
140	1.1	1.1	1.5	1.5	1.5	1.5	1.5	2.2	2.2	3	3	3	4	4	5.5	5.5	5.5	5.5	7.5	7.5			
150	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2	3	3	3	3	4	4	5.5	5.5	5.5	7.5	7.5				
160	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2	3	3	3	4	4	5.5	5.5	7.5	7.5	7.5					
170	1.5	1.5	1.5	1.5	2.2	2.2	2.2	3	3	3	3	4	4	7.5	7.5	7.5	7.5	7.5					
180	1.5	1.5	1.5	2.2	2.2	2.2	2.2	3	3	3	4	4	4	7.5	7.5	7.5	7.5						
190	1.5	1.5	2.2	2.2	2.2	2.2	2.2	3	3	4	4	4	5.5	7.5	7.5	7.5							
200	2.2	2.2	2.2	2.2	2.2	2.2	3	3	4	4	4	4	5.5	7.5									
250	2.2	2.2	3	3	3	3	4	4	5.5	5.5	5.5			7.5									
300	3	3	3	3	5.5	5.5	5.5	5.5	5.5														
320	3	3	5.5	5.5	5.5	5.5	5.5																

Motor Specification

CEDARPUMPS

Model	Inch	Power (KW)	HP	Rated Current (A)	Voltage (V)
Uniflo 0.37kW220V4	4	0.37	0.50	3.5	220
Uniflo 0.55kW220V4	4	0.55	0.75	5.1	220
Uniflo 0.75kW220V4	4	0.75	1.00	5.7	220
Uniflo 1.1kW220V4	4	1.10	1.50	7.9	220
Uniflo 1.5kW220V4	4	1.50	2.00	11.0	220
Uniflo 2.2kW220V4	4	2.20	3.00	15.3	220
Uniflo 0.37kW400V4	4	0.37	0.50	3.5	220
Uniflo 0.55kW400V4	4	0.55	0.75	2.1	400
Uniflo 0.75kW400V4	4	0.75	1.00	2.5	400
Uniflo 1.1kW400V4	4	1.10	1.50	3.1	400
Uniflo 1.5kW400V4	4	1.50	2.00	4.2	400
Uniflo 2.2kW400V4	4	2.20	3.00	6.0	400
Uniflo 3kW400V4	4	3.00	4.00	7.4	400
Uniflo 4kW400V4	4	4.00	5.50	10.3	400
Uniflo 5.5kW400V4	4	5.50	7.50	11.7	400
Uniflo 7.5kW400V4	4	7.50	10.00	13.2	400

Delivery casing	AISI 304SS
Suction connector	AISI 304SS
Volute	AISI 304SS
Impeller	AISI 304SS
Pump shaft	AISI 431SS
Shaft coupling	AISI 304SS
Seal ring	Rubber
Strainer	AISI 304SS
Motor external casing	AISI 304SS
Top chock	Cast iron
Bottom support	Cast iron
Mechanical seal	Special seal for deep well (Graphite-Ceramic)
Motor shaft	AISI 630SS + ASTM 5140
Seal lubricant oil	10# Food Grade Mechanical White Oil

Maximum fluid temperature up to +35°C

Maximum sand content: 0.25%

Maximum immersion: 150 m

Minimum well diameter: 5"

Rewindable motor

Single-Phase: 220 - 240V/50Hz ※170-240V wide range of operating voltage

Three-Phase: 380 - 415V/50Hz ※300-430V wide range of operating voltage

Capacitance: P2

4" has NEMA dimension standards

Enclosures class: IP68

Insulation class: F

