KUDU PCP

Complete Progressing Cavity Pump Systems

Experience excellence. Expect reliability.

- Sustain lower operating and capital costs
- Maintain high production rates in solids and high viscosity fluids
- Proven performance in light to heavy oil, thermal (SAGD & CSS), dewatering and coal bed methane operations

Bringing Solutions to Surface

KUDU

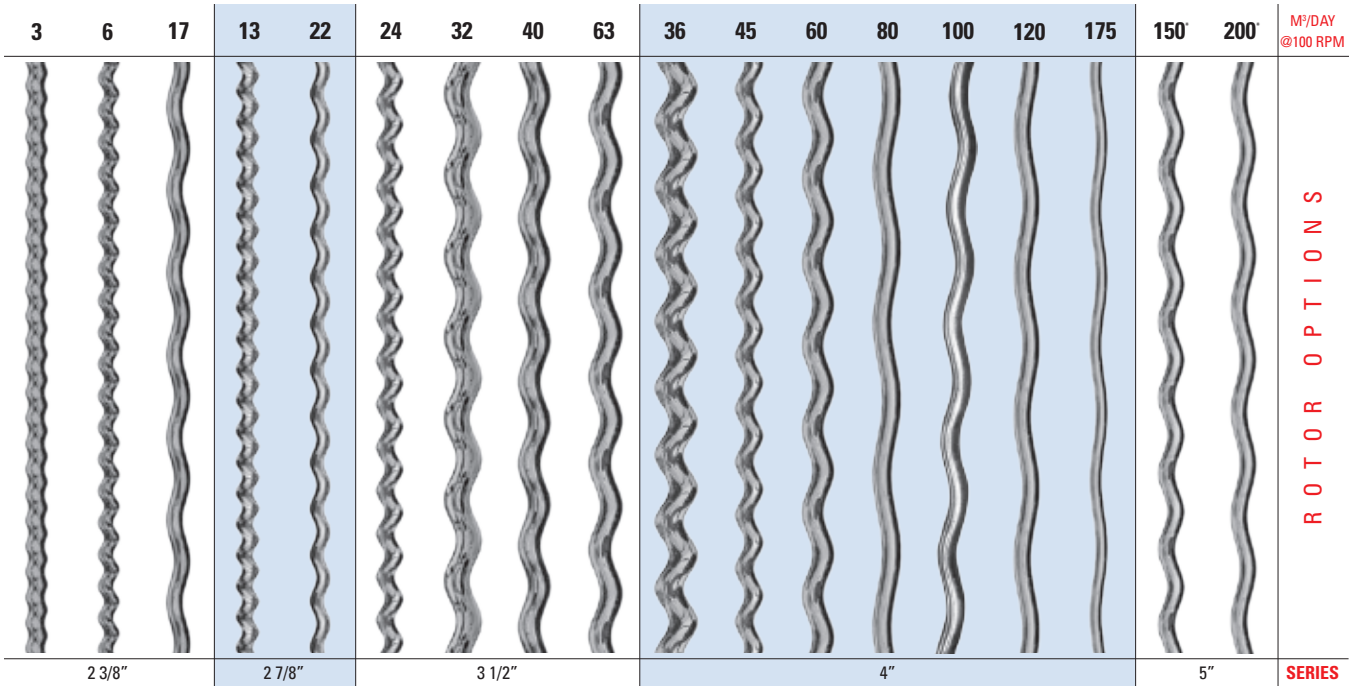
KUDU Progressing Cavity Pumps

Series	Model	Displacement Rate at 100 rpm at zero head m^3/d	Pressure rating in meters of H_20	Pump O.D (without collars) mm	Pump O.D (without collars) in	Pump Stator Length m	Pump Stator Length ft
2 3/8"	3 K 600	3	600	71	2.795	0.90	2.94
	3 K 1200	3	1200	71	2.795	1.80	5.91
	3 K 2400	3	2400	71	2.795	3.60	11.81
	6 K 650	6	650	71	2.795	1.31	4.28
	6 K 1300	6	1300	71	2.795	2.61	8.56
	6 K 2000	6	2000	71	2.795	3.92	12.84
	6 K 2600	6	2600	71	2.795	5.22	17.13
2 7/8"	13 K 650	13	650	80	3.150	1.74	5.71
	13 K 1300	13	1300	80	3.150	3.48	11.42
	13 K 1650	13	1650	80	3.150	4.35	14.27
	13 K 2000	13	2000	80	3.150	5.22	17.13
	13 K 2600	13	2600	80	3.150	6.97	22.85
	13 K 3300	13	3300	80	3.150	8.70	28.54
	22 K 600	22	600	86	3.385	2.61	8.56
	22 K 1200	22	1200	86	3.385	5.22	17.14
	22 K 1400	22	1400	86	3.385	6.53	21.42
	22 K 1500	22	1500	86	3.385	7.09	23.27
	22 K 1800	22	1800	86	3.385	7.83	25.69
3 1/2"	24 K 1300	24	1300	102	4.016	4.06	13.32
	24 K 2000	24	2000	102	4.016	6.10	20.01
	24 K 2600	24	2600	102	4.016	8.14	26.71
	24 K 3300	24	3300	102	4.016	10.17	33.37
	32 K 750	32	750	102	4.016	2.75	9.02
	32 K 1500	32	1500	102	4.016	5.50	18.04
	32 K 2200	32	2200	102	4.016	8.25	27.07
	40 K 600	40	600	102	4.016	2.75	9.02
	40 K 1200	40	1200	102	4.016	5.50	18.04
	40 K 1400	40	1400	102	4.016	6.42	21.06
	40 K 1500	40	1500	102	4.016	6.88	22.56
	40 K 1800	40	1800	102	4.016	8.25	27.07
	40 K 2400	40	2400	102	4.016	11.00	36.09
	63 K 400	63	400	102	4.016	2.75	9.02
	63 K 800	63	800	102	4.016	5.50	18.04
	63 K 1200	63	1200	102	4.016	8.25	27.07
	63 K 1600	63	1600	102	4.016	11.00	36.09
4""	36 K 1000	36	1000	109	4.291	2.88	9.45
	36 K 1500	36	1500	109	4.291	4.32	14.17
	36 K 2000	36	2000	109	4.291	5.76	18.90
	36 K 3000	36	3000	109	4.291	8.64	28.35
	45 K 1600	45	1600	109	4.291	5.76	18.90
	45 K 2400	45	2400	109	4.291	8.64	28.35
	60 K 600	60	600	109	4.291	2.88	9.45
	60 K 1200	60	1200	109	4.291	5.76	18.90
	60 K 1500	60	1500	109	4.291	7.20	23.62
	60 K 1800	60	1800	109	4.291	8.64	28.35
	60 K 2400	60	2400	109	4.291	11.52	37.79
	80 K 450	80	450	109	4.291	2.88	9.45
	80 K 900	80	900	109	4.291	5.76	18.90
	80 K 1150	80	1150	109	4.291	7.20	23.62
	80 K 1350	80	1350	109	4.291	8.64	28.35
	80 K 1800	80	1800	109	4.291	11.52	37.79
	100 K 400	100	400	109	4.291	2.88	9.45
	100 K 800	100	800	109	4.291	5.76	18.90
	100 K 1200	100	1200	109	4.291	8.64	28.35
	100 K 1600	100	1600	109	4.291	11.52	37.79
	120 K 300	120	300	109	4.291	2.88	9.45
	120 K 600	120	600	109	4.291	5.76	18.90
	120 K 900	120	900	109	4.291	8.64	28.35
	120 K 1200	120	1200	109	4.291	11.52	37.79
	120 K 1500	120	1500	109	4.291	14.40	47.24
	175 K 200	175	200	109	4.291	2.88	9.45
	175 K 400	175	400	109	4.291	5.76	18.90
	175 K 600	175	600	109	4.291	8.64	28.35
	175 K 800	175	800	109	4.291	11.52	37.79
5"	150 K 800	150	800	138	5.43	5.66	18.57
	150 K 1200	150	1200	138	5.43	8.49	27.85
	200 K 860	200	860	138	5.43	8.49	27.85
	200 K 1150	200	1150	138	5.43	11.32	37.14
	200 K 1450	200	1450	138	5.43	14.15	46.42

Additional pump models are available. Please contact your KUDU representative for recommendations. Please see Special Clearance Pumps for additional O.D.'s. Pressure ratings are based on actual bench tests. Tough Coat Rotors also available.

Rotor Selection Guide

Please note new 100RPM pump nomenclature.



** 4" or larger tubing required.*

All technical specifications are deemed accurate, but situations may arise where additional information may be required. Please contact a KUDU representative for further technical consultation.

Elastomer Choices

Model	Elastomer Description	Maximum Temp. °C	Sand Resistance	H_2S Resistance	CO_2 Resistance	Aromatics @ 20°C	Hydrolysis @ 50°C	Explosive Decomp.
159	NBR (Synthetic)	120	6	6	6	5	5	9
194	NBR (Synthetic)	80	8	7	5	3	7	7
199	NBR (Synthetic)	120	4	5	9	7	5	10
204	FPM (Flourocarbon Copolymer)	80	2	8	10	10	10	5
205	NBR (Synthetic)	80	10	7	4	2	8	6

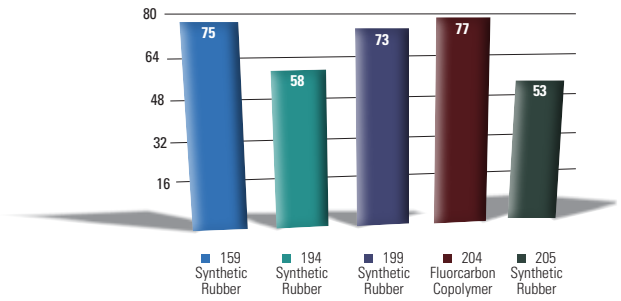
5 = Average 10 = Best

Special Clearance Pumps

	Slim Hole Stator O.D.		Flushline Stator O.D.	
Series	in	mm	in	mm
2 3/8"	2.70	69		
2 7/8"	3.07	78	3.38	86
3 1/2"	3.70	94	4.04	102
4"	3.90	99	4.33	110

Includes special clearance auxiliary equipment.

Hardness, Shore "A"



KUDU is committed to developing safe and reliable products.

KUDU's manufacturing and distribution systems are ISO registered.

Ability to Coil Past KUDU Pumps

	KUDU Pump Model	*Crest to Crest Diameter. (mm)	*Crest to Crest Diameter. (in.)	Ability to coil past rotor with 3/4" Coil Tbg. (73 mmTbg. (Drift ID = 59.61 mm) 9.67 kg/m / 2 7/8" Tbg. (Drift ID = 2.35") 6.5 lb/ft)	Ability to coil past rotor with 3/4" Coil Tbg. (88.9 mmTbg. (Drift ID = 72.82 mm) 13.84 kg/m / 3 1/2" Tbg. (Drift ID = 2.99") 9.3 lb/ft)	Ability to coil past rotor with 3/4" Coil Tbg. (114.3 mm Tbg. (Drift ID = 97.36 mm) 18.97 kg/m / 4 1/2" Tbg. (Drift ID = 3.96") 12.75 lb/ft)
2 3/8" Series	3 K	35.92	1.41	✔	✔	✔
	6 K	33.78	1.33	✔	✔	✔
2 7/8" Series	13 K	45.21	1.78		✔	✔
	22 K	43.18	1.70		✔	✔
3 1/2" Series	24 K	51.10	2.01		✔	✔
	32 K	51.00	2.01		✔	✔
	40 K	51.08	2.01		✔	✔
	63 K	51.44	2.03		✔	✔
4" Series	36 K	58.88	2.32			✔
	45 K	58.01	2.28			✔
	60 K	58.17	2.29			✔
	80 K	57.66	2.27			✔
	100 K	58.76	2.31			✔
	120 K	58.29	2.30			✔
	175 K	57.48	2.26			✔
5" Series	150 K	75.21	2.96			✔
	200 K	69.44	2.73			✔

Table considers drift ID of different tubing sizes using a 2.54 mm clearance factor. Crest to Crest Diameter is measured on rotors sized for 30° Celsius. This figure will change with different rotor sizes.

KUDU's Complete PCP System

KUDU provides the perfect fit for any environment with Pumps, Driveheads and Power Units engineered to handle the most demanding applications. KUDU's Progressing Cavity Pump delivers a consistent head capacity with no pulsations and superior sand l ifting capability. Ranging from 40 to 200 horsepower, KUDU Driveheads have proven performance in heavy to light oil, dewatering and coal bed methane operations.

Contact a KUDU representative for a customized system designed for optimal well performance.

Service That Makes Sense

With 13 service centres located in Alberta and Saskatchewan; KUDU is close to where the action is. This proximity to oilfield activity enables KUDU to have the knowledge, adaptability and responsiveness tailored to your operation's needs. KUDU's exceptional technical team provides a perfect fit for any environment and is always available for service and support.

ISO 9001

Contact your local KUDU representative or visit our website to find a distributor near you. All information is considered accurate and up to date at time of printing. KUDU reserves the right to amend the contents of this document at any time. KUDU does not warranty manufacturers claims.

Bonnyville 1-780-826-7179
Elk Point 1-780-724-2910
Kindersley 1-306-463-6440
Macklin 1-306-753-2950
Sedgewick 1-780-384-2177
Swift Current 1-306-741-2416
Wabasca 1-780-891-1032

Brooks 1-403-793-8080
Estevan 1-306-634-9966
Lloydminster 1-780-871-0660
Peace River 1-780-624-9570
Slave Lake 1-780-849-5650
Taber 1-403-223-1201
International 1-800-642-5519

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