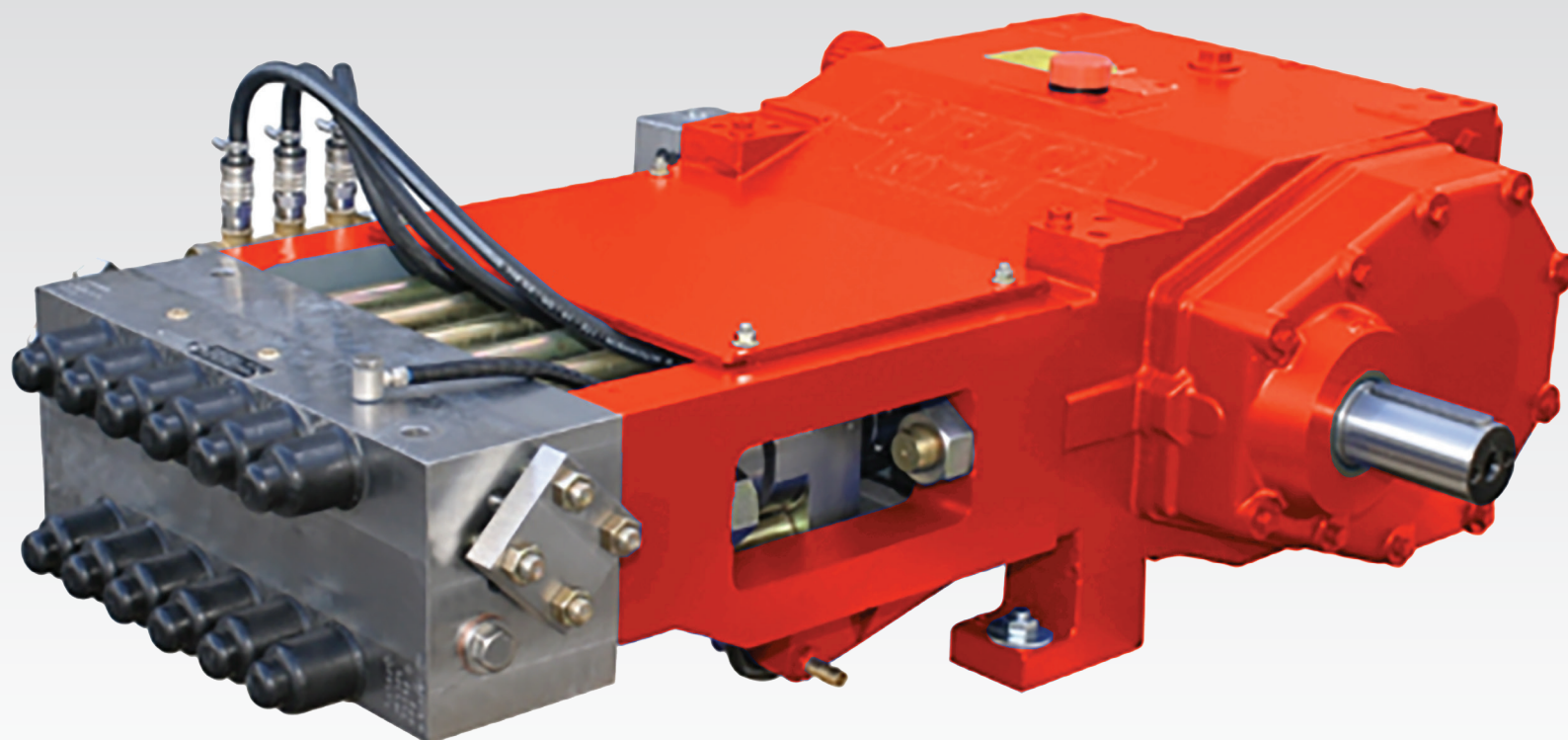


WERNER



WERNER KD 724





WERNER KD 724

High-Pressure Triplex Plunger Pump — 170 kW

The KD 724, shown in the Page 1 image, represents Werner's heavy-duty, industrial-grade pump design for high-pressure applications. The model is built for resilience, precision and long-duty cycles, with a stainless-steel liquid end and a robust gearbox arrangement to meet extreme operating demands.

High-Pressure Triplex Plunger Pump 170 kW

- The Werner KD 724 is a reciprocating triplex plunger pump engineered for industrial environments requiring high reliability, high efficiency, and low wear rates. With its 85 mm stroke and versatile configuration options, the KD 724 excels in heavy continuous-duty applications such as:

- Industrial jetting
- High-pressure cleaning
- Process water applications
- Handling aggressive or abrasive fluid streams
- Hot water and high-temperature duties

Weight per Version

- KD 724 G Version A1: ≈ 730 kg
- KD 724 G Version A2: ≈ 770 kg
- KD 724 G Version B: ≈ 800 kg
- KD 724 G Version C: ≈ 780 kg
- KD 724 G Version D: ≈ 770 kg
- KD 724 G Version E: ≈ 770 kg

- Each version utilises a liquid end and gearbox configuration optimised for specific pressure/flow requirements.

Power ends and design

- Power-end cooling available depending on duty cycle
- Standard or optional pressure lubrication, internal or external
- Left- or right-hand horizontal drive configuration
- High admissible radial and axial loads (on request)
- Direction of rotation selectable

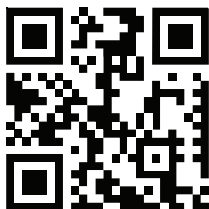
- Speed limitations vary depending on the required pressure stage
- Suction pressure requirements depend on the specific process and pump configuration

Liquid ends

- Engineered to handle a wide fluid spectrum, including:
 - Thin, low-viscosity liquids
 - Pasty substances
 - Abrasive or neutral fluids
 - Aggressive or chemically reactive materials
 - Hot water and thermal process liquids
- Customised liquid-end designs allow the pump to operate effectively across challenging industrial conditions.
- Version A1 — Cast Design with Integral Stuffing Boxes
 - Heavy-duty cast liquid end
 - Suited for clear water and hot water applications
- Versions A2, B, C, D, E — Stainless-Steel Liquid Ends
 - Stainless steel construction with single stuffing boxes
 - Suitable for aggressive, abrasive and demanding media
- Additional Options
 - Suction valve release for wear-free load/unload transitions
 - Clear and hot water compatibility across variants

Drive

- KD 724: Base model without integral gear
- KD 724 G: Version with integrated gearbox
- Optional: Crankshaft overload protection
- Suction & Discharge Ports: Available on either side for easy installation



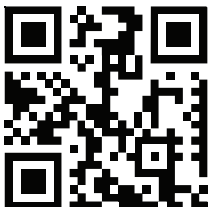
Technical Data

Motor Speed			min ⁻¹	1000				1200				1500				1800			2100	
Gear Ratio			i gear	4.20	3.73	3.16	2.68	4.20	3.73	3.16	2.68	4.20	3.73	3.16	2.68	4.20	3.73	3.16	4.20	3.73
Pump Spd at Shaft			min ⁻¹	238	268	316	373	286	322	380	448	357	462	475	560	429	483	570	500	563
Vers.	Pres. Bar	Plunger		Effective capacity				l/min (±2%)				Power req. at pump shaft				kW (+3%)				
A1	170	70	l/min kW	228 71	257 80	304 94	359 111	274 85	310 96	365 113	431 133	342 106	387 119	457 141	539 166	411 128	465 143	548 169	479 149	540 167
	200	65	l/min kW	196 72	221 81	260 94	307 111	235 86	265 96	313 114	369 134	294 107	331 120	391 142	461 167	353 129	398 144	470 170	412 150	464 168
	230	60	l/min kW	166 70	187 78	220 92	260 108	199 83	224 94	265 110	312 130	249 104	280 117	331 138	390 163	298 125	336 140	397 166	348 146	392 163
	275	55	l/min kW	138 69	155 78	183 91	216 107	165 83	186 93	220 110	259 129	206 103	233 116	275 137	324 162	248 124	279 139	330 165	289 145	325 162
A2	130	80	l/min kW	292 69	329 78	388 92	458 108	350 83	395 93	466 110	550 130	438 103	493 117	580 138		525 124	590 140		615 145	
	150	75	l/min kW	258 70	290 79	342 93	404 110	309 84	348 95	411 112	485 132	386 105	435 119	515 140	605 165	464 127	520 143	615 168	540 148	610 166
	170	70	l/min kW	228 71	257 80	304 94	359 111	274 85	310 96	365 113	431 133	342 106	387 119	457 141	539 166	411 128	465 143	548 169	479 149	540 167
	200	65	l/min kW	196 72	221 81	260 94	307 111	235 86	265 96	313 114	369 134	294 107	331 120	391 142	461 167	353 129	398 144	470 170	412 150	464 168
	230	60	l/min kW	166 70	187 78	220 92	260 108	199 83	224 94	265 110	312 130	249 104	280 117	331 138	390 163	298 125	336 140	397 166	348 146	392 163
	275	55	l/min kW	138 69	155 78	183 91	216 107	165 83	186 93	220 110	259 129	206 103	233 116	275 137	324 162	248 124	279 139	330 165	289 145	325 162
	330	50	l/min kW	111 67	125 75	147 88	174 104	133 80	150 90	177 106	208 125	166 100	187 112	221 132	261 156	199 120	225 134	265 158	233 140	262 156
	400	45	l/min kW	89 64	100 73	118 85	139 101	106 77	120 87	142 102	167 121	133 97	150 109	177 128	209 151	160 116	180 131	213 154	186 135	210 152
	B	400	45	l/min kW	93 68	105 76	124 90	146 106	112 81	126 92	148 108	175 127	140 102	157 114	186 135		168 122	189 137		195 142
520		40	l/min kW	72 68	82 77	96 91	113 107	87 82	98 92	115 109	136 128	108 102	122 115	144 136	170 160	130 123	147 138	173 163	152 143	171 161
	675	35	l/min kW	54 66	61 74	74 88	85 103	65 79	73 89	86 105	102 124	81 99	91 111	108 131	127 155	97 119	110 134	129 158	114 138	128 156

C	800	32	l/min kW	44 64	50 72	59 85	69 100	53 76	60 86	70 101	83 120	66 95	75 107	88 127	104 150	79 114	90 129	106 152	93 134	104 150
	1000	28	l/min kW	33 58	37 66	43 77	51 91	39 70	44 79	52 93	61 110	49 87	55 98	65 116	76 137	59 105	66 118	78 139	68 122	77 138
	800	32	l/min kW	46 66	52 74	61 88	72 103	55 79	62 89	73 105	86 124	69 99	77 111	91 131		82 119	93 134			
	1050	28	l/min kW	34 64	39 72	46 85	53 100	41 77	46 87	54 102	64 120	51 96	58 108	68 128	80 151	61 115	69 130	81 153	72 134	81 152
D	1200	25	l/min kW	27 57	30 64	36 76	42 89	32 68	36 77	43 91	50 107	40 85	45 96	53 113	63 134	48 102	54 115	64 136	56 120	63 135
	1600	22	l/min kW	21 60	24 67	28 79	33 93	26 71	29 81	34 95	40 112	32 89	36 101	42 119	50 140	38 107	43 121	50 143	44 125	50 141
	2000	20	l/min kW	17 58	19 65	22 77	26 91	20 70	23 78	27 93	31 109	25 87	28 98	33 116	39 137	30 104	34 118	40 139	35 122	40 137
	2500	18	l/min kW	14 59	16 67	18 79	22 93	17 71	19 80	22 95	26 112	21 89	23 100	28 118		25 107	28 120			
E	2800	17	l/min kW	12 57	13.5 64	16 76	19 89	14.5 68	16.5 77	19 91	23 107	18 85	20 96			22 102				
	3000	17	l/min kW	12 57	13.5 67	16 79	18.5 94	14.5 72	16 81	19 95		18 90	20 101							

Technical Specifications

- Admissible radial load of drive shaft upon request
- Optional crankshaft overload protection
- Direction of rotation selectable
- Capacity and recommended motor ratings as mentioned apply water the average volumetric and mechanical efficiency are taken into consideration
- Liquid end design depends on liquid handled and operation conditions
- Other operating data and detailed dimensions are available on request
- Speed imitation at different pressure stages is due to design
- The required suction pressure depends on application and pump design
- Suction and discharge connection are available on either side



Get in touch

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