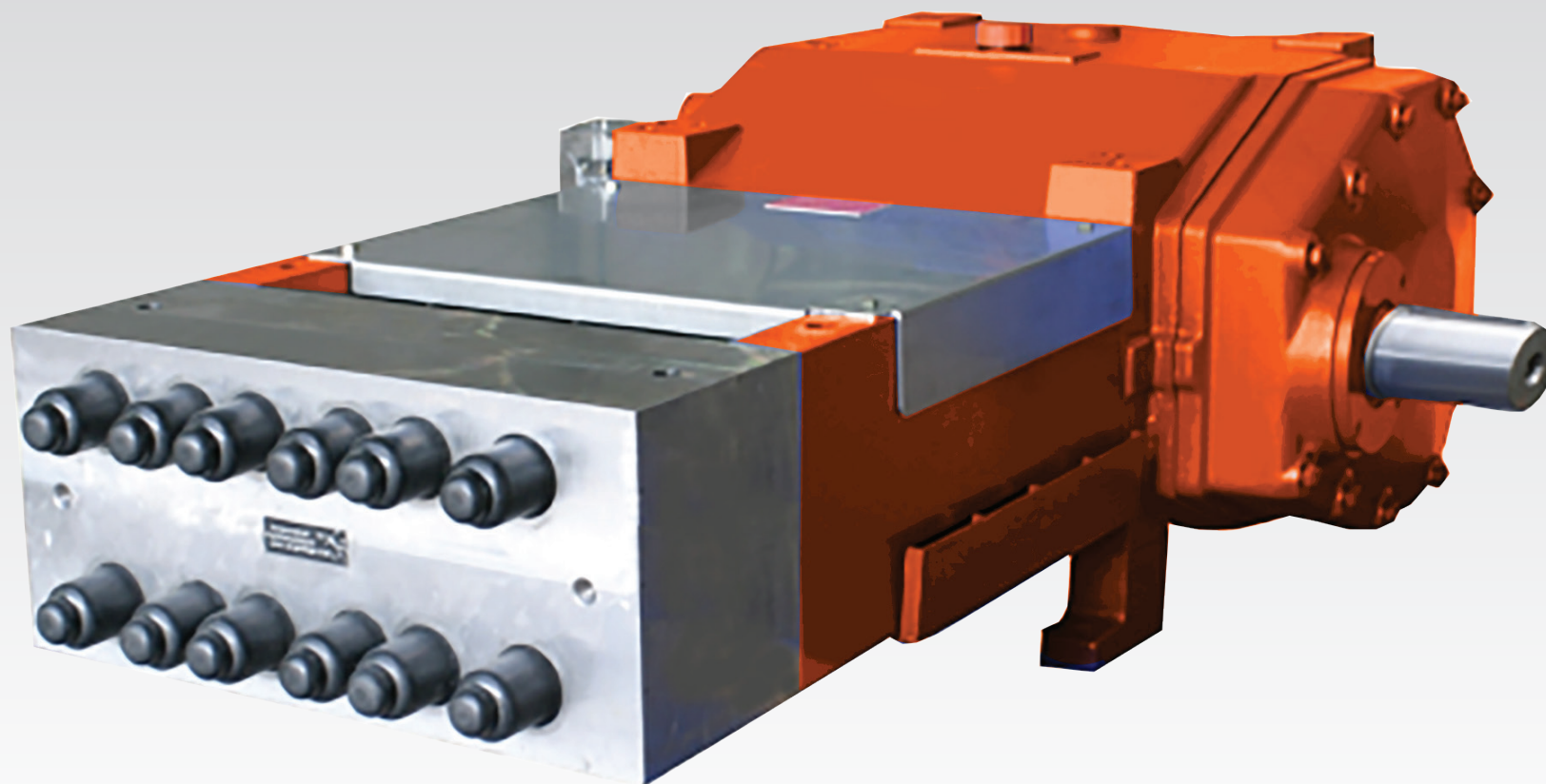


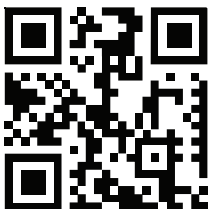
WERNER



WERNER KD 725



Established
88



WERNER KD 725

High-Pressure Triplex Plunger Pump — 110 kW

The image on Page 1 displays the Werner KD 725 in its heavy-duty configuration, featuring a stainless-steel liquid end with multiple stuffing box assemblies and a robust power-end structure. Designed for high-pressure industrial applications, the KD 725 is engineered for long service life, maximum mechanical efficiency, and reliable performance under demanding operating conditions.

High-Pressure Triplex Plunger Pump 110 kW

- The Werner KD 725 series is a reciprocating triplex plunger pump designed for continuous-duty industrial and process applications. With a long 100 mm stroke and versatile liquid-end configurations, it provides an exceptional balance of:
 - High pressure
 - High flow capacity
 - Low wear
 - Low energy consumption
- This makes it ideal for applications involving:
 - High-pressure jetting
 - Industrial cleaning
 - Processing of aggressive, abrasive, hot, or toxic liquids
 - Handling thin to pasty substances
- Weight (According to Version)
 - KD 725 Version A: approx. 1160 kg
 - KD 725 G Version A: approx. 1230 kg
 - KD 725 Version B/C: approx. 1170 kg
 - KD 725 G Version B/C: approx. 1240 kg
 - KD 725 Version D: approx. 1150 kg
 - KD 725 G Version D: approx. 1220 kg

- Versions with the G designation feature an integrated gearbox with a more compact footprint.

Power ends and design

- Sturdy, reinforced power-end casing
- Pressure lubrication system for enhanced bearing and crankshaft life
- Optional integrated power-end cooler
- Left- or right-hand drive configuration

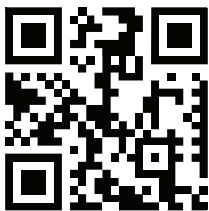
- Horizontal or vertical installation capability
- High resistance to mechanical stress under long-duty operation

Drive

- KD 725: Standard bareshaft model (no gear)
- KD 725 G: Compact model with integrated gearbox
- KD 725 H: Hydraulic drive interface for G/GS versions
- Optional: Crankshaft overload protection
- Suction and discharge connections are available on either side for simplified piping layout.

Liquid ends

- Versions A, B, C, D — Stainless-Steel Liquid Ends
 - High corrosion resistance
 - Individual stuffing-box cartridges for easy servicing
 - Designed for high-performance, high-availability operation
 - Suitable for aggressive, neutral, abrasive, hot or toxic fluids
- Stuffing Box Features
 - Injection and flushing ports
 - Optional lubrication supply
 - Optional heating elements
 - Modular cartridge design for quick replacement
- Optional Suction Valve Release
 - Enables wear-free changeover between load and unload modes
 - Ideal for pump systems requiring rapid pressure cycling
- Version A1 (Casting Liquid End)
 - Integral stuffing boxes
 - Designed for clear water and hot-water applications



Technical Data

Motor Speed			min ⁻¹	1000			1200			1500			1800		2100
Gear Ratio			i gear	4.28	3.70	3.04	4.28	3.70	3.04	4.28	3.70	3.04	4.28	3.70	4.28
Pump Speed at Shaft			min ⁻¹	234	270	329	281	324	394	351	405	493	421	486	491
Vers.	Pres. Bar	Plunger		Effective capacity			l/min (±2%)			Power req. at pump shaft			kW (+3%)		
A	200	80	l/min kW	341 124	395 144	480 175	409 149	473 173	575 210	510 187	590 216	720 262	615 224	710 259	715 261
	225	75	l/min kW	299 122	345 142	420 172	358 147	414 170	505 207	448 184	520 212	630 258	535 220	620 255	625 257
	260	70	l/min kW	259 122	299 142	363 172	310 147	359 170	436 207	388 184	448 212	545 258	465 220	540 255	545 257
	300	65	l/min kW	221 121	256 140	311 170	266 145	307 168	374 204	332 181	384 210	467 255	399 218	461 252	465 254
	350	60	l/min kW	187 119	216 138	263 167	225 143	260 165	316 201	281 179	324 206	394 251	337 214	389 248	393 250
	420	55	l/min kW	155 118	180 137	218 166	186 142	216 164	262 200	233 178	269 205	328 250	280 213	323 246	326 249
B	420	55	l/min kW	164 125	189 144	230 175	197 150	227 173	276 211	246 187	284 216				
	510	50	l/min kW	135 125	156 144	190 175	162 149	187 173	228 210	202 187	234 216	284 263	243 224	281 259	283 261
	630	45	l/min kW	108 123	125 142	152 173	130 148	150 171	183 208	163 185	188 214	228 260	195 222	226 256	228 259
C	800	40	l/min kW	85 123	99 142	120 172	102 147	118 170	144 207	128 184	148 213	180 259	154 221	178 255	179 257
	1040	35	l/min kW	64 119	74 138	90 168	77 143	89 166	108 201	96 179	112 207	136 252	116 215	134 249	135 251
	1200	32	l/min kW	53 113	61 131	75 159	64 136	74 157	89 191	80 170	92 196	112 239	95 204	110 235	111 238
D	1200	32	l/min kW	54 115	62 132	75 161	64 138	74 159	91 193	81 172	93 199	113 242	97 206	112 238	113 241
	1600	28	l/min kW	40 113	46 130	56 159	48 135	56 157	68 190	60 169	69 196	84 238	72 203	83 235	84 237

2000	25	l/min kW	31 105	36 126	44 153	38 131	43 151	53 184	47 164	54 189	66 230	56 196	65 227	66 229
2600	22	l/min kW	24 105	27 121	33 147	28 126	33 146	40 177	35 157	41 182		42 189		
2800	20	l/min kW	19 91	22 105	27 128	23 109	27 127	32 154	29 137	33 158		34 164		

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





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