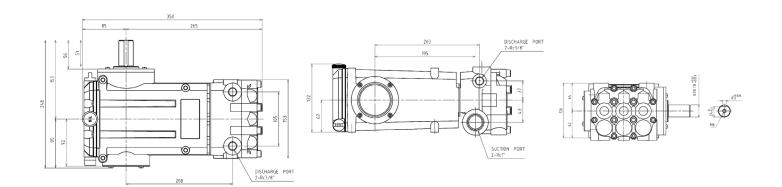


DIMENSIONS (mm/in.)



CUTAWAY

- 1 High strength, lightweight die cast crankcase
- 2 Oversized crankshaft bearings for long life and quiet operation
- 3 Forged crankshaft is machined for low friction, quiet operation and high efficiency
- 4 High strength connecting rods are tolerance matched for extended life and low friction operation
- 5 High polish stainless steel plunger rods for smooth
- operation and even wear 6 Zero clearance, polymer exclusionary seal protects pump crankcase from fluid entry and will not corrode
- 7 Proprietary blend, solid ceramic plungers for long wear and increased thermal shock resistance
- 8 Forged brass manifolds for strength and corrosion resistance, machined to optimize fluid flow and performance while extending useful life
- 9 Liquid-cooled, low drag seals provide long life, extended run-dry ability and increased
- 100% stainless steel valve construction provides superior protection against chemical and temperature damage
- Mechanically-loaded seals require no adjustment and self-compensate for wear
- 12 Balanced flow crankcase ensures lubrication and quiet operation
- 13 Slide-in seal cases mean no special tools are required, making seal replacement easy



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FEATURES

- Triplex plunger pumps provide smooth liquid flow
- Liquid cooled, low drag seals provide long life, improved suction, higher efficiency and longer dry running without damage
- Balanced flow crankcase design and precision machining ensures uniform lubrication and quiet operation
- Manifold is designed and machined to guarantee superior fluid flow
- Zero-clearance exclusionary seals protect crankcase

QUALITY

- 100% stainless steel valve assemblies deliver greater temperature and chemical handling abilities
- Precision ground ceramic plungers utilize a proprietary material blend for long life and increased thermal shock resistance
- Forged brass manifolds offer strength and corrosion resistance
- Proprietary, proven seal blend maximizes life and increases maintenance intervals
- Oversized crankshaft bearings for long life and quiet operation

MAINTENANCE

- No special tools required for repair or maintenance
- Fluid end is easily serviced without entering crankcase
- Easy access seal case and valve assemblies
- Seals require no adjustment

SPECIFICATIONS

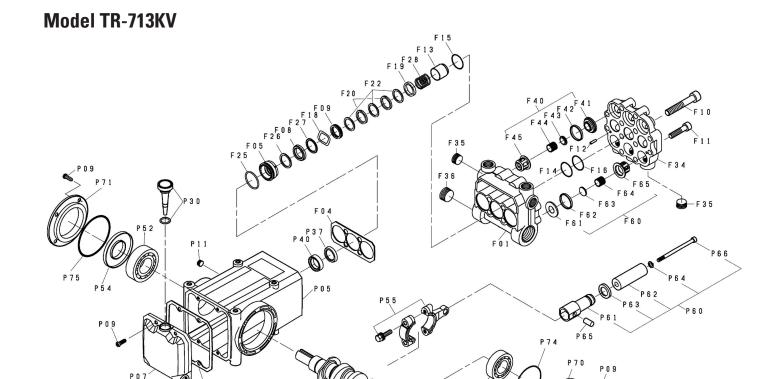
TR-713KV	US	METRIC	
Flow	10 gpm	39 lpm	
Pressure	1800 psi	125 bar	
RPM	900	900	
Inlet Pressure	-5 to 70 psi	0-5 bar	
Inlet	3/4"	3/4"	
Outlet	1/2" & 3/8"	1/2" & 3/8"	
Oil requirement	37 oz.	1.1 L	
Shaft Dia.	1.102"	28mm	
Max Liquid Temp.	175°F	80°C	
Shaft Location	L or R	L or R	
Weight	33 lbs.	15 kg	

Determining	Rated GPM	_ = _	"Desired" GPM	
Pump RPM	Rated RPM		"Desired" RPM	
Determining Required HP	GPM x PSI 1500	- =	Electric Brake H.P. Required	
Determining	Motor Pulley OD	_ = _	Pump Pulley OD	
Notor Pulley Size	Pump RPM		Motor RPM	

Parts List **Exploded View**

F01	1 1 1 3 3 3 4 8 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
F04	1 3 3 4 8 2 3 3 3 3 3 3 6 9 3 3 3 3 1 4 1 1
FO5	3 3 4 8 2 3 3 3 3 3 3 6 9 3 3 3 3 1 4 1 1
F08	3 4 8 2 3 3 3 3 3 3 6 9 3 3 3 3 3 1 4 1
F09	3 4 8 2 3 3 3 3 3 3 6 9 3 3 3 3 3 1 4 1
F11 A3236 MANIFOLD BOLT, SHORT PLATED STEEL F12 A3354 DOWEL PIN STEEL F13 0381001300 STUFFING BOX STAINLESS STEEL F14 9206A25035 BACKUP RING PTFE TEFLON F15 A3253 O-RING, STUFFING BOX NBR F16 9202F25035 O-RING, MANIFOLD NBR F18 A3233 WAVE WASHER STAINLESS STEEL F19 0381001430 MALE ADAPTER BRASS F20 0687001470 HIGH PRESSURE GLAND PACKING ARAMIDE F22 0687001272 GLAND PACKING ADAPTER PTFE + CG F25 A3252 O-RING, SEAL RETAINER NBR F26 0381001280 ADAPTER, SEAL RETAINER PTFE + CG F27 A3234 MALE ADAPTER BRASS F28 0381001450 SPRING STAINLESS STEEL F34 038 1003200 MANIFOLD, VALVES BRASS F35 A3351 PLUG, 1" BRASS F36 0	4 8 2 3 3 3 3 3 6 9 3 3 3 3 3 1 4 1
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F44 SPRING STAINLESS STEEL F45 RETAINER, CAGE STAINLESS STEEL F60 A3149 VALVE ASSEMBLY STAINLESS STEEL F61 SEAT STAINLESS STEEL F62 A3222 VALVE GASKET NBR F63 DISC STAINLESS STEEL	3
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F61 SEAT STAINLESS STEEL F62 A3222 VALVE GASKET NBR F63 DISC STAINLESS STEEL	3
F62 A3222 VALVE GASKET NBR F63 DISC STAINLESS STEEL	3
	3
F64 SPRING STAINLESS STFFI	3
	3
F65 RETAINER, CAGE STAINLESS STEEL	3
P05 0380022010 CRANKCASE ALUMINUM P07 0380002040 BACK COVER ALUMINUM P08 A3368 GASKET BONDED PAPER P09 A3228 SCREW, PHILLIPS PLATED STEEL P11 9313 A 10800 PLIG CARRON STEEL	1
P07 0380002040 BACK COVER ALUMINUM	1
PO8 A3368 GASKET BONDED PAPER	1
PO9 A3228 SCREW, PHILLIPS PLATED STEEL	12
THE 9313A 10000 FEOD CARBON STEEL	1
P25 A3356 DRAIN PLUG POLYAMIDE	2 2
P26 A3343 GASKET NBR	
P30 02701026001 OIL GAUGE, DIPSTICK POLYAMIDE, NBR	1
P37 A3372 SLINGER NBR P40 A3274 OIL SEAL NBR	3 3
	3 1
	1
P51 A3374 BEARING STEEL P52 A3375 BEARING STEEL STEEL	1
P54 A3207 OIL SEAL, SHAFT NBR	1
P55 A3376 CONNECTING ROD ASSEMBLY ALUMINUM/STEEL	3
P60 PLUNGER ASSEMBLY	3
P61 0366004860 PLUNGER ROD STAINLESS STEEL	3
P62 03810048S0 PLUNGER CERAMIC	3 3 3 3 3 3
P63 0381004830 SPACER BRASS	3
P64 A3264 GASKET COPPER	3
P65 A3378 PLUNGER PIN STEEL	3
P66 9120R05095 BOLT, PLUNGER STAINLESS STEEL	3
P70 A3380 BEARING COVER, BLIND SIDE STEEL	1
P71 0380004430 BEARING COVER, SHAFT SIDE ALUMINUM	1
P74 A3057 O-RING, COVER NBR	1
P75 A3104 O-RING, COVER NBR	

 ^{*} Material listed may be a proprietary version. Parts names without part numbers are only available within complete assemblies.
 * Material codes: FP = Flouropolymer, NBR = Medium Nitrile (Buna-N), CFR = Foam Rubber STAINLESS = Stainless Steel (300 Series)



REF.#	PART NUMBER	PART NAME	MATERIAL	ОТҮ
	A1007	RAIL SET, 7 SERIES	PLATED STEEL	1
	A1009	VALVE KIT, INLET (F60, F62)	STAINLESS/NBR	1
	A1010	VALVE KIT, OUTLET (F40, F42)	STAINLESS/NBR	1
	A1022	SEAL KIT (F08, F09,F15,		
1		F19, F20, F22, F25, F26, F27)	NBR	1

Horsepower Requirements			Pressure (psi)					
			LPM					
	725	8.0	32.0 39.7	5.5	6.6	8.2	9.9	11.0
TR-713KV	900	10.0	39.7	6.8	8.2	10.2	12.3	
	975	11.0	43.0	7.5	9.1	11.3		