

KMT Aqua-Dyne Pumps Are Used Worldwide For These Water Blasting Applications:

- Marine - Ship/Dock Cleaning
- Oilfield - Hydrostatic Testing & Pipe Cleaning
- Mining - Unclog Machinery
- Automotive - Paint Booth Cleaning
- Aviation - Clean Fluids on Runways
- Power Station - Nuclear Decontamination

...and MUCH MORE!

KMT Aqua-Dyne Bare Shaft Pumps Series 250

(Power Ratings: 150-250 HP/112-186 kw)



For Maximum Water Blasting Productivity

KMT Aqua-Dyne Bare Shaft Pumps *The POWER Inside Every PUMPING UNIT!*

The key to KMT Aqua-Dyne's long pump life and hundreds of hours of trouble-free operation are low load packing, special filtration, a closed loop non-drip cooling and water lubrication system for alumina ceramic or tungsten carbide plungers.

The individual lightweight suction and discharge manifolds are easily removed for routine maintenance, and field changing the packing or plungers takes five minutes with no special tools required.

Unique VALVE-IN-LINE Fluid End

- Unique VALVE-IN-LINE Fluid End Design Provides Higher Volumetric Efficiency For Increased Productivity & Lower Operating Costs.

- Superior Design Of The Fluid End Delivers Up To 15% Increase In Productivity, higher volumetric efficiency, lower maintenance, quick packing changes and low initial cost over conventional fluid ends available.

Fluid End

Fluid Cylinders – Stainless steel is standard, other materials available to suit application.

Valve & Seats – High strength stainless steel in-line valve system. All valves may be reconditioned by surface grinding.

Plungers – Non-scoring ceramic.

Packing – V-Rings of advanced polymer material are self adjusting, giving long service when used with non-scoring ceramic plungers.

Lubrication – Plungers and packing are pressure lubricated by fluid from suction manifolds. Optional oil lubrications are available.

Manifolds – Individual light weight suction and discharge manifolds are easily removable for simple maintenance. Different materials are available to suit applications.

Power End

Power Frame – High strength grey iron alloy casting with sturdily ribbed wall sections.

Crankshaft – Aircraft quality alloy steel induction hardened journals, may extend from either side.

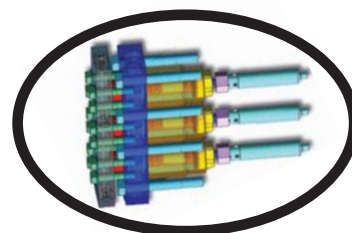
Crankshaft Bearings – heavy duty high speed journal bearings.

Crossheads – Cylindrical type high strength alloy castings. Crosshead wristpins are hardened & ground steel equipped with double roller bearings. Extension rods are highly polished stainless steel to eliminate corrosion and weepage.

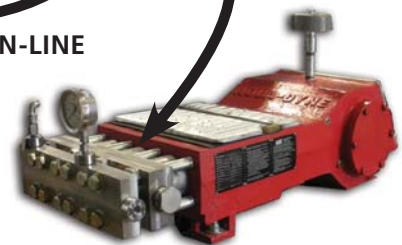
Lubrication – Power end parts are splash lubricated.

Connecting Rods – High strength, solid section Ductile iron.

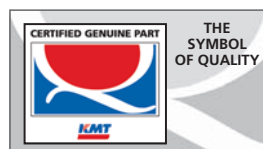
Oil Wiper Seals – Self lubrication polymer.



Unique VALVE-IN-LINE Fluid End



**Bare Shaft Pumps are available in Custom & Standard Pumping Unit Packages*

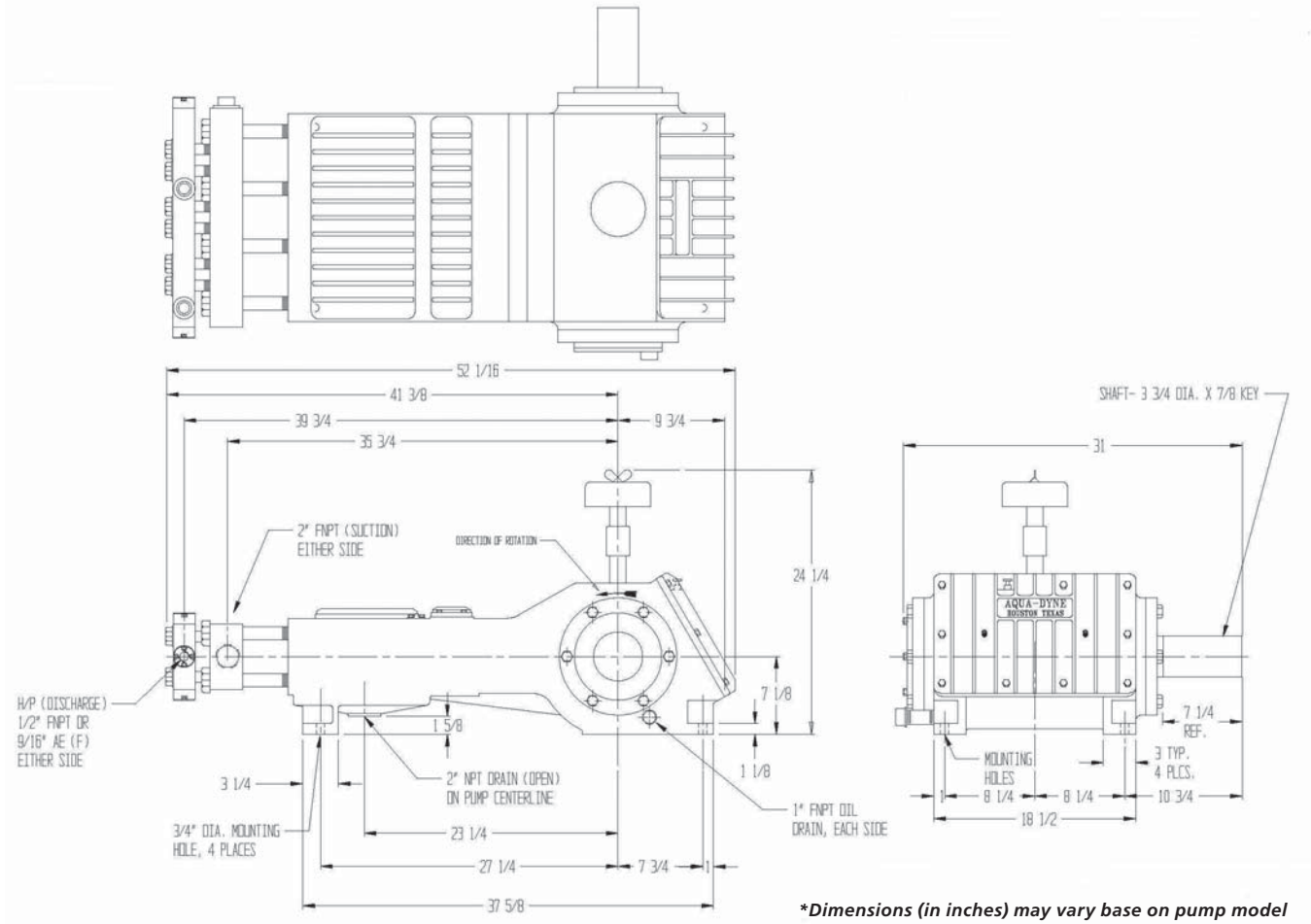


SERIES 250 SPECIFICATIONS

Pressure & Volume are based on 100% Volumetric & Mechanical Efficiency.

SERIES 250 PUMPS					
FLUID END SERIES	PLUNGER DIAMETER INCHES (mm)	MAXIMUM PRESSURE PSI (bar)	FLOW AT POWER GAL/MIN. (LITER/MIN.)		
			150 HP (112 kw)	200 HP (149 kw)	250 HP (186 kw)
UHP	0.5 (12.70)	40,000 (2,758)			
	0.625 (15.87)	40,000 (2,758)	5.7 (25.91)	7.6 (34.55)	
	0.625 (15.87)	30,000 (2,068)	7.5 (34.09)		
HP	0.875 (22.22)	20,000 (1,379)	11.3 (51.37)	15 (68.19)	
	1 (25.4)	16,000 (1,103)	14.1 (64.10)	18.8 (85.47)	
	1.125 (28.57)	13,000 (896)	17.1 (77.74)	22.8 (103.65)	
	1.25 (31.75)	10,000 (689)	22.5 (102.29)	30 (136.38)	
MP	1.375 (34.92)	9,000 (620)	25.2 (114.56)	33.6 (152.75)	42.0 (190.93)
	1.5 (38.1)	8,000 (552)	28.2 (128.20)	37.6 (170.93)	47.0 (213.66)
	1.625 (41.27)	7,000 (483)	32.4 (147.30)	43.2 (196.39)	54.0 (245.49)
	1.75 (44.45)	6,000 (414)	37.8 (171.84)	50.4 (229.12)	63.0 (286.40)
	1.875 (47.62)	5,000 (345)	45.0 (204.57)	60.0 (272.76)	75.0 (240.95)
LP	2 (50.8)	4,500 (310)	50.1 (227.76)	66.8 (303.68)	83.5 (379.60)
	2.125 (53.97)	4,000 (276)	56.4 (256.40)	75.2 (341.87)	94.0 (427.33)
	2.25 (57.15)	3,500 (241)	64.8 (294.59)	86.4 (392.78)	108.0 (490.98)
	2.375 (60.32)	3,000 (207)	75 (340.95)	100.0 (454.61)	120.0 (545.53)

Rated Power: Up to 250 (186 kw)
 Number of Cylinders: 3
 Plunger Stroke: 3.5" (88.9 mm)
 Plunger Load: 15,000 Lbs (6804 kg)
 Oil Capacity: 2.5 Gallons (11.36 L)
 Pump Weight: 1,375 Lbs (624 kg)



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