

Топливные насосы УВ

Cowell Machinery

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YB Series Rotary Vane Pump

Main Features

YB series Self-priming rotary vane pump with internal by-pass valve. The pumps use a rotor with sliding vanes to draw the liquid. The material of construction is nodular iron with sliding vanes built in a special self lubricating material. Due to its efficiency, the pumps can handle viscous and also volatile liquids and require less horsepower than other equivalent pumps. The pumps are capable of higher flow-rates at lower number of revolutions than other designs.

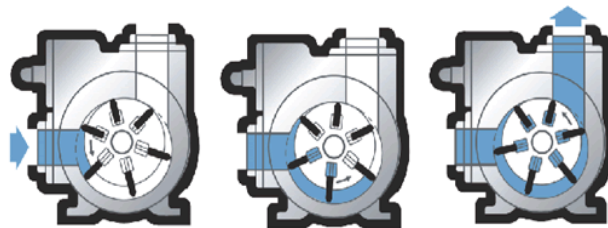


Rotary Vane Pump

Advantage

- Durable pumps for fast and quiet operation.
- Sliding vane design provides sustained performance and trouble free operation, high reliability.
- Adjustable relief valve protects pump from excessive pressure.
- T-type strainers are available to protect pumping system from damage caused by welding slag and other matter in the piping and tanks.

Construction



Flow Rate													
Model	Speed Flow Rate Size	650RPM		600RPM		550RPM		500RPM		450RPM		400RPM	
		G/min	L/min	G/min	L/min	G/min	L/min	G/min	L/min	G/min	L/min	G/min	L/min
YB-50	50mm/2 "	80	300	72	270	64	240	56	210	48	180	40	150
YB-65	65mm/2 1/2"	132	500	123	465	114	430	103	390	93	350	82	310
YB-80	80mm/3 "	265	1000	243	920	222	840	200	760	180	680	160	600
YB-100	100mm/4 "							505	1900			405	1530

YB Series Rotary Vane Pump

Maximum Operating Limit

Model	Nominal Flowrate		Rated Speed	Viscosity		Differential Pressure		Working Pressure		Temperature		Power	
	GPM	LPM	RPM	SSU	Cp	PSI	Bar	PSI	Bar	°F	°C	HP	KW
YB-50	80	300	640	20,000	4,250	125	8.6	175	12.1	300	149	3	2.2
YB-65	157	594	640	20,000	4,250	125	8.6	175	12.1	300	149	5	4
YB-80	270	1,022	640	20,000	4,250	125	8.6	175	12.1	300	149	10	7.5
YB-100	505	1900	500	20,000	4,250	125	8.6	175	12.1	300	149	25	18.5

Package Data

Model	YB-50		YB-65		YB-80		YB-100
	Without Motor	W/Motor V-Belt Driven	Without Motor	W/Motor V-Belt Driven	Without Motor	W/Motor Coupling Driven	Without Motor
Packaging	1pc/ Wooden Case						
Net Weight	31Kgs	86Kgs	40Kgs	92Kgs	64Kgs	185Kgs	160Kgs
Gross Weight	32Kgs	90Kgs	42.5Kgs	110Kgs	66Kgs	200Kgs	172Kgs
Size cm	44×33×39	80×55×59	44×33×32	119×55×59	45×40×38	130×47.5×76	54×49×58

Application

- Fuel oil delivery truck
- Fleet refueling
- Lube oil
- Aviation refuelers
- Transport of Petro Chemicals, gasoline, biofuels, solvents and many more.

Installation

The pumps are widely used on mobile applications or fixed installations. With cardan shafts or hydraulic motor the pumps can be installed on any kind of tank truck. Also they are coupled to electric or diesel engine on metal bases to be used either on terminals, heavy duty dispensers, pumping/metering skids, mobile transfer units. Equipped with Teflon seals, the pumps can also be used on a wide variety of solvents in the petrochemical industry.



Coupling Drive



V-Belt Drive



Diesel Engine Drive



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