

YB Series Rotary Vane Pump

Main Features



Rotary Vane Pump

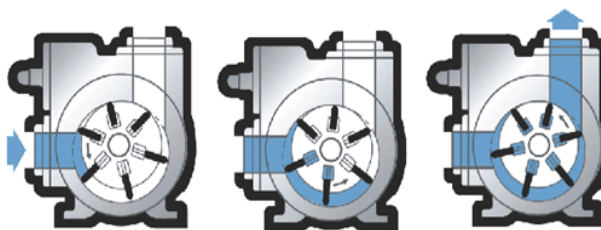
YB series Self-priming rotary vane pump with internal by-pass valve. The pumps use a rotor with sliding vanes to draw the liquid. The material of construction is nodular iron with sliding vanes built in a special self lubricating material. Due to its efficiency, the pumps can handle viscous and also 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.

YB-65 Vane Pump, Cast Iron & Stainless Steel Material available.

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

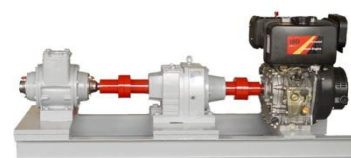
The pumps are widely used on mobile applications or fixed installations. With cardan shafts or hydraulic motor the pumps can be installed on any kind of tank truck. Also they are coupled to electric or diesel engine on metal bases to be used either on terminals, heavy duty dispensers, pumping/metering 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

SUB Series Vane Pump

Description

SUB series pump is positive displacement vane pump, applied to transfer gasoline, kerosene, diesel and other light oil, used to load & unload in stock terminal, also on oil tank trucks and mobile fuel unit.

Advantage

- An excellent self-priming performance, vacuum up to 0.095Mpa, instead of vacuum pump to clean the tank in vessel, truck etc.
- To transport gas-liquid two-phase, up to 50%, completely solve air lock, cavitation.
- Sliding vane design provides sustained performance and trouble free operation, high reliability from excessive.

Application

- Fuel Oil Delivery Truck
- Fleet Refueling
- Aviation Refuelers
- Loading & Unloading in Stock Terminal
- Transport of Petro, Gasoline, Diesel, Kerosene & many more.



SUB-80



SUB-40



SUB-40 Coupling Drive

Technical Specification

Model	SUB-40	SUB-50	SUB-80
Inlet & Outlet	40mm	50mm	80mm
Flow Rate	180L/Min	250L/Min	500L/Min
Vacuum	0.06MPa	0.06MPa	0.06MPa
Speed	960RPM	960RPM	960RPM
Power	1.5KW	2.2KW	4KW

Package Data

Model	SUB-40	SUB-50
Packaging	1pc/ Wooden Case	
Net Weight	20kgs	22kgs
Gross Weight	25Kgs	37kgs
Size	40 × 33 × 33cm	40 × 33 × 33cm

MFD Series Mobile Fuel Unit

Description

MFD series mobile fuel dispenser, containing bulk positive displacement flow-meter, vane pump & coupling drive Ex-proof Motor, Power Control Cabinet, hose & hose reels mechanical register, nozzles etc., applied in boat refuelling in marine, public transportation vehicles, big truck, trains, military vehicles, light aircraft, with advantage of high flow rate, long service life, high accuracy, convenience, easy to operate etc.



A Type



B Type

Technical Specification

Model	MFD-40 mobile fuel unit	MFD-50 mobile fuel unit	MFD-80 mobile fuel unit
Flow Rate	200L/min	400L/min	700L/min
Flow meter	M-50-1 flow meter 2"	M-50-1 flow meter 2"	M-80-1 flow meter 3"
Pump	SUB-40 vane pump	YB-65 vane pump	YB-80 vane pump
Ex-proof Motor	1.5Kw,50Hz,380V	4Kw,50Hz,380V	7.5Kw,50Hz,380V
	(220V motor for option)	(220V motor for option)	(220V motor for option)
Hose	1.5", 20m	2", 20m	3", 20m
Nozzle/Hose Adaptor	1.5" automatic nozzle (Hose Adapter for option)		Hose Adapter
Hose Reel	Manual Reel (Electric motor driven reel for option)		
Preset Function	For option		
Electric Register	For option		

Package Data

Model	MFD-40	MFD-50	MFD-80
Packaging	1pc/ Wooden Case		
Net Weight	260kgs	270kgs	305kgs
Gross Weight	290Kgs	300kgs	335kgs
Size	131×99×125cm	131×99×125cm	140×110×125cm