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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.

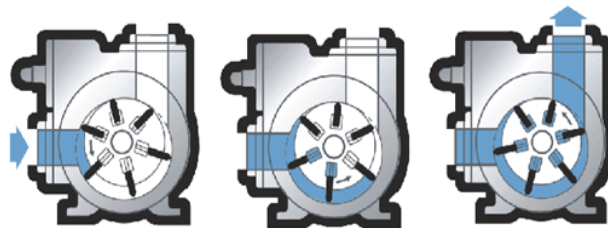


Rotary Vane Pump

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

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.



SUB-80

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-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-50 vane pump	YB-80 vane pump
Ex-proof Motor	1.5Kw,50Hz,380V	2.2Kw,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

DYB Series Vane Pump

Description



DYB60-AC220/110

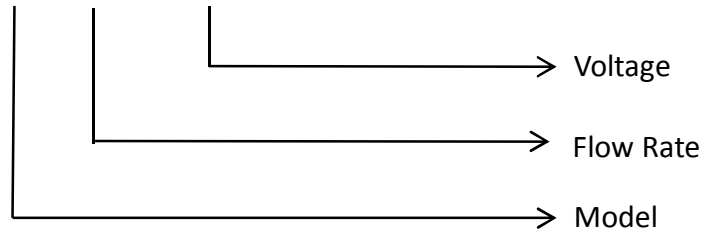
- Used for fueling diesel, kerosene, not for gasoline
- Mechanical seal that guarantees constant reliability and even in low temperature.
- Cast-iron pump casing, treated against corrosion and paint finished.
- Vane pump with steel rotor.
- Bypass valve built-in.
- In-built 100 micron filter, easily accessible for cleaning.
- Induction motor with aluminum casing, protection grade IP54
- Continuous running.

Model Specification



DYB70-AC220

D Y B 60 - A C 220



DYB80-AC220

Technical Specification

Model	DYB60-AC220/110	DYB70-AC220	DYB80-AC220/110	DYB40-DC12/24
Flow Rate	20L-60L/min	20L-70L/min	20L-80L/min	20L-40L/min
Max. Pressure	3 Bar	3 Bar	3 Bar	3 Bar
Power	AC220V ± 10% 50Hz AC110V ± 10% 60Hz	AC220V ± 10% 50Hz	AC220V ± 10% 50Hz	DC12 DC24
By pass Valve	Yes	Yes	Yes	Yes
Strainer	Yes	Yes	Yes	No
Inlet & outlet	1"	1"	1"	3/4"
Power	375W	500W	550W	120W



DYB40-DC12

Package Data

Model	DYB60-AC220/110	DYB70-AC220	DYB80-AC220/110	DYB40-DC12/24
Packaging	2pcs/ Carton	2pcs/ Carton	1pc/ Carton	2pcs/ Carton
Net Weight	15kgs	16kgs	12kgs	7kgs
Gross Weight	17Kgs	17kgs	13kgs	8kgs
Size	49 × 30 × 22cm	49 × 28 × 22cm	29 × 22 × 25cm	49 × 28 × 22cm

ETP Series Electric Transfer Pump Unit

Description

It is easy to connect to 1" quick coupling of the drum or tank, with or without flow meter.



ETP-60A



ETP-80A



ETP-40A



ETP C Type

Technical Specification

Model		ETP-60A	ETP-80A	ETP-40A
Standard	Pump	DYB60-AC220	DYB80-AC220	DYB40-DC12
	Flow Meter	FM-120L in Liter	FM-120L in Liter	FM-120L in Liter
	Hose	4m	4m	4m
	Manual Nozzle	J60-A	J60-A	J60-A
	Bracket	Yes	Yes	Yes
Option	Pump	DYB60-AC110	DYB80-AC110	DYB40-DC24
	Flow Meter	FM-40G in Gllon	FM-40G in Gallon	FM-40G in Gallon
	Automatic Nozzle	Yes	Yes	Yes
	Bracket	No	No	No
	2M Inlet Pipe	Yes	Yes	Yes
	Filter Check Valve	Yes	Yes	Yes

Package Data

Model	ETP-60A	ETP-80A	ETP-40A
Packaging	1pc/carton	1pc/carton	1pc/carton
Net Weight	16Kgs	21Kgs	12Kgs
Gross Weight	17Kgs	22Kgs	13Kgs
Size	42×35×34cm	42×35×34cm	42×35×34cm

ETP Series Electric Transfer Pump Unit

ETP- B Electric Transfer Pump Unit



ETP- B Type

Description

ETP-B Series Electric Transfer Pump Unit is improved from ETP- XX A series, with complete closed metal case, switch, nozzle holder and automatic nozzle, also manual nozzle, inlet hose for option.

Package Data

Model	ETP-60B	ETP-80B	ETP-40B
Packaging	1pc/carton	1pc/carton	1pc/carton
Net Weight	20Kgs	25Kgs	16Kgs
Gross Weight	21Kgs	27Kgs	17Kgs
Size	60×59×37cm	60×59×37cm	60×59×37cm



ETP- C Type

ETP- C Electric Transfer Pump Unit

Description

ETP-C Series Electric Transfer Pump Unit is improved from ETP- XX A series, JYM/L-1 electronic oval gear meter with LCD display, instead of FM-120L mechanical meter with advantage of high accuracy up to $\pm 0.5\%$, low weight, easy to use and 5 digital sub-total & 8 digital non-resettable totalizer.

ETP-25 Electric Transfer Pump Unit

Description

ETP-25 Electric Transfer Pump Unit is installed with OGM-25 mechanical oval gear meter and DYB60-AC220 electric diesel pump, together with 4m hose & manual nozzle, 2m inlet hose and filter check valve, assembled in trolley construction, with the advantage of high accuracy up to $\pm 0.5\%$, 4 digital sub-total and 6 digital non-resettable totalizer, easy use, etc.



ETP-25

Technical Specification

Flow Rate	60L/min
Flow Meter	OGM-25 Oval Gear Meter with Mechanical Register
Accuracy	$\pm 0.5\%$
Pump	DYB60-AC220 Electric Transfer Pump
Motor	375w, 50Hz, 220V
Hose	3/4", 4m
Nozzle	J60-A Manual Nozzle (automatic nozzle for option)

DYB50/75-DC12B Electric Transfer Pump, Explosion Proof

Description

- Used for diesel, gasoline, kerosene, mineral spirits, Stoddard solvent and heptane
- Explosion-proof permanent magnet motor with thermal overload protection
- Built-in strainer, bypass valve
- Ball bearing construction, no lubrication required
- 3/4" and 1" Hose; 1" manual nozzle
- Nozzle boot that protects against dirt and contamination
- 2" threaded base for tank openings
- Corrosion-Proof section pipe
- Rain proof, water proof
- 30-minute duty cycle/not for continuous operation

Options :

- FM-40G meter in gallons or FM-120 meter in liters
- Automatic nozzle



DYB50-DC12B



ETP-50A



ETP-50C

Technical Specification

Model	DYB50-DC12B	DYB75-DC12B
Body Material	Cast Iron	Cast Iron
Maximum flow rate	15GPM(57LPM)	20GPM(76LPM)
Explosion-proof motor	1/4HP	1/4HP
Max. Working Temperature	-26-66°C	-26-66°C
Inlet	1"NPT	1"NPT
Outlet	3/4"NPT	1"NPT
Threaded tank adapter	2"NPT	2"NPT
Nozzle hanger	Yes	Yes

ETP-50CL Luxury Electric Transfer Pump Unit

It is improved from ETP-50C, with reusable filter and completely closed metal case



ETP-50CL

DYB-300 Electric Transfer Pump Unit

Description

DYB-300 Electric Transfer Pump Unit is installed with fuel pump and motor. The fuel pump is positive displacement vane pump used three-phase explosion proof motor that applied to transfer gasoline, kerosene, diesel and other light oil.



DYB-300



Technical Specification

Model	DYB-300
Inlet & Outlet:	2" Adapter
Flow Rate:	300L/Min
Operation Pressure:	0.3MPa
Suction Lift:	5M
Speed:	1400RPM
Power:	2.2KW/Three Phase AC380V/50Hz

Advantage

- High vacuum degree and quite operation;
- Adapter base for tank operations;
- Adjustable relief valve protects pump from excessive pressure;
- Sliding vane design provides sustained performance and high reliability;
- Explosion proof motor applicable for the safe operation in various inflammable and explosive locations.

CYZ-A Self-priming Centrifugal Oil Pump

Features

Centrifugal pump, self priming
 Highest Suction: 6 meters.
 Pumping temperature: -20 to 80°C
 Simple structure and stable
 Casing Material: cast iron, stainless steel
 Impeller Material: bronze, stainless steel
 Seal: Mechanical Seal

Application

The pump can transport diesel, Gasoline, Kerosene, water, sea water, alcohol and other chemicals. Widely used in all industries, such as petroleum chemicals, oil field and Marine etc.
 Power: motor driven and engine driven for option. Trailer type can be designed according to customer's request.



50CYZ-A-50

YGP Series Screw Gear Pump

Description

YGP Series screw gear pump use two screw gears to transfer various viscous and volatile liquids but no solid granuals, such as gasoline, diesel, kerosene, and lubricated oil etc. with advantage of compact size, high flow rate, big delivery head, low noise and high suction vacuum. The pump is equipped with relief valve. It is an ideal pump for tax fuel vehicles, oil tank trucks and also transportation of other vapor-liquid mixture liquids etc.. Surge-controlled pump, the latest model of oil pump, is equipped with self-regulating valve, which can regulate the pressure of inner pump.



YGP-50



YGP-80B

Technical Specification

Model	YGP-50	YGP-80A	YGP-80B
Size	2"	3"	3"
Flow Rate	300L/Min	1000L/Min	1000L/Min
Delivery Head	30M	60M	60M
Suction Head	5M	7M	7M
Speed Range	700-1250RPM		
Rated Speed	960RPM		
Working Pressure	0-0.3Mpa	0-0.5Mpa	
Bypass Valve	Yes	No	Yes
Material	Aluminum	Aluminum/Iron	Iron
Motor Power	2.2Kw	11Kw	11Kw

Description

MGP Trolley-type gear pump is applicable to mobile sites conveying petrol, diesel, kerosene and other oil products.



YGP-50



YGP-80A



YGP-80B

Package Data

Model	YGP-50		YGP-80A		YGP-80B	
	Pump Only	Pump w/Motor	Pump Only	Mobile Unit	Pump Only	Mobile Unit
Packaging	1Unit / Wooden Case					
Net Weight	15Kgs	105Kgs	28Kgs	210Kgs	60Kgs	238Kgs
Gross Weight	17Kgs	130Kgs	37.5Kgs	230Kgs	65Kgs	275Kgs
Size cm	31×24×31	86×43×78	44×32×43	110×49×83	53×32×43	124×49×83



JYB-1

JYB-1 Electric Gear Oil Pump

Description

JYB-1 Electric Gear Oil Pump is designed for various requirements of pumping oils & lubricants, with the construction of die-cast aluminum pump body, by-pass valve, sintered steel gears, mechanical seal on the motor shaft, with the advantage of quiet operation, high suction capacity and compact design.

Technical Specification

Model	JYB-1
Diameter:	1"
Flow Rate:	9-15L/Min
Pressure:	12Bar
Noise:	70dB
Power:	Single Phase AC220V/50Hz/750W
	Three Phase AC380V/50Hz/900W
Vacuum:	0.032Mpa



ETP-15

ETP-15 Mobile Oil Dispenser

Description

ETP-15 Mobile Oil Dispenser, together with 90L oil tank, electric gear oil pump (JYB-1), oil nozzle with LCD meter and oil indicator easy to show the level of oil in tank, with advantage of compact, convenient, mobile, etc.

YCBH-80A Centrifugal Pump

Technical Specification

Model	YCBH-80A
Diameter:	3"
Flow Rate:	700L/Min
Head:	26M
Speed:	1450R/Min
Power:	5.5KW
Material:	Aluminum



YCBH-80A

SB Series Drum Pump is a kind of barrel pump. The tube can be directly put into the drum to pump liquid. As per different transferring liquids, the pump wet part can choose Aluminum Alloy, Stainless Steel, PP,RPP, PVDF,PTFE Material. The driving motor can be single phase common motor, Ex-proof motor, no brush motor & high-speed motor for option. It is easy to use, maintenance & high efficiency. It is widely used to transfer acid, petrochemical liquids, treatment water, drinks, gas, kerosene, diesel and some low-viscosity liquids in extensive fields of petrochemical, refinery, food, petro oil, marine, pharmacy, filling station etc..



Technical Specification

Model	SB Series
Flow Range	20-150L/min
Delivery Head	3-10m
Power	0.12-1.1Kw
Inlet & Outlet Diameter	50/25/20mm & 41/25
Body Material	Aluminum Alloy, SS304, 316L, RPP

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