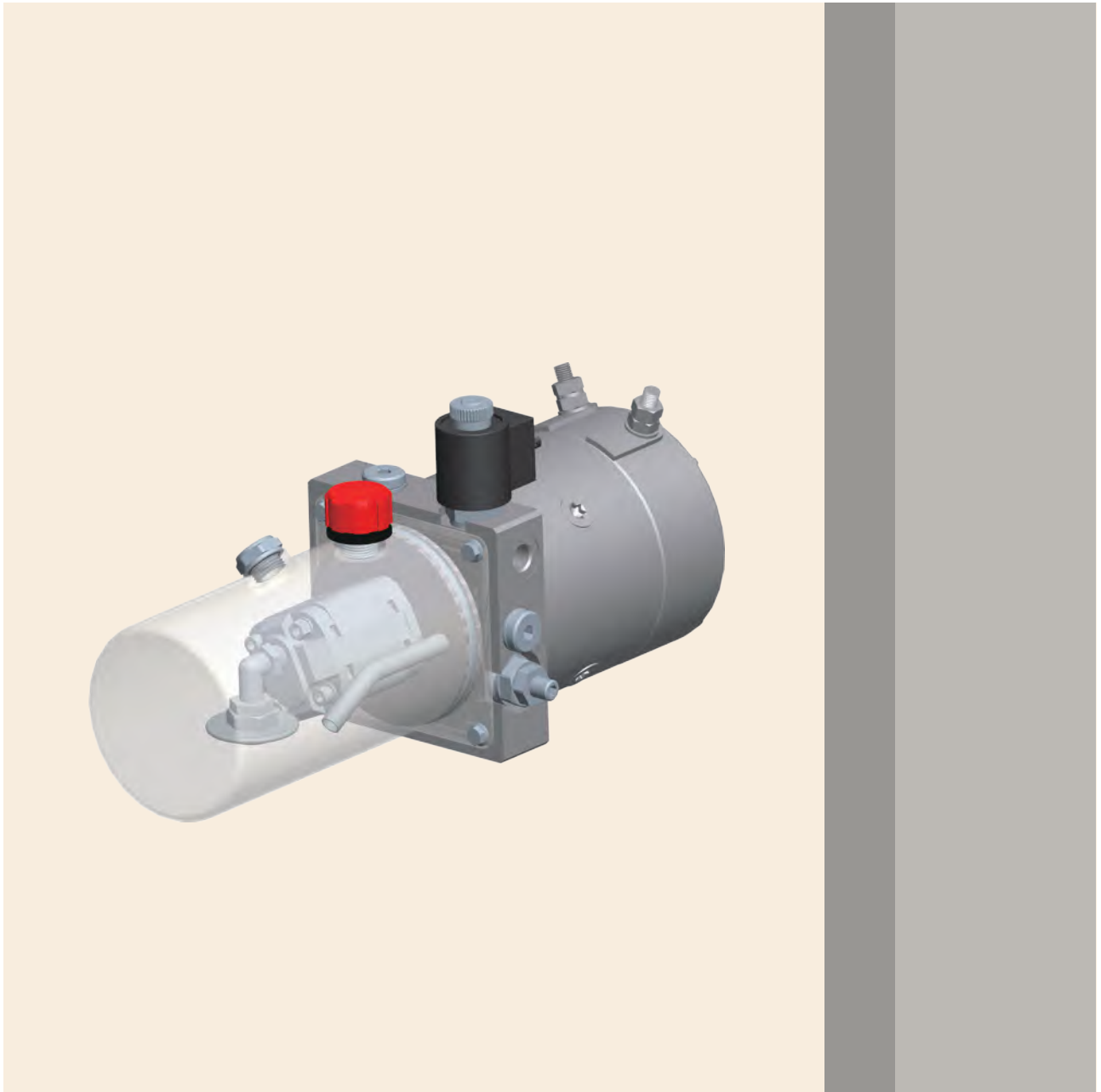


HYDRAULIC POWER UNITS



Bucher Hydraulics (Wuxi) CO.,Ltd.

Contents

POWER UNITS ORDERING GUIDANCE	01
POWER UNITS FOR FORK LIFT 1	03
POWER UNITS FOR FORK LIFT 2	04
POWER UNITS FOR FORK LIFT 3	05
POWER UNITS FOR FORK LIFT 4	06
PALLET TRUCK POWER UNITS 1	07
PALLET TRUCK POWER UNITS 2	08
POWER UNITS FOR DOCK LEVELER 1	09
POWER UNITS FOR DOCK LEVELER 2	10
POWER UNITS FOR DOCK LEVELER 3	11
POWER UNITS FOR DOCK LEVELER 4	12
AUTO HOIST POWER UNITS 1	13
AUTO HOIST POWER UNITS 2	15
AUTO HOIST POWER UNITS 3	16
POWER UNITS FOR LIFT TABLE 1	17
POWER UNITS FOR LIFT TABLE 2	18
POWER UNITS FOR DUBBLE-SCISSORS LIFT 1	19
POWER UNITS FOR DUBBLE-SCISSORS LIFT 2	20
POWER UNITS FOR SCISSOR LIFT	21

Contents

ELECTRIC-BASKETBALL STANDS POWER UNITS	22
POWER UNIT FOR TIRE CHANGER	23
TIPPER TRAILER POWER UNITS 1	24
TIPPER TRAILER POWER UNITS 2	25
TIPPER TRAILER POWER UNITS 3	26
TIPPER TRAILER POWER UNITS 4	27
POWER UNITS FOR SNOW PLOW	28
WHEEL CHAIR POWER UNITS	29
RV POWER UNITS 1	30
RV POWER UNITS 2	31
POWER UNITS FOR MEDICAL CARE EQUIPMENT	32
POWER UNITS FOR ROAD PILE	33
POWER UNITS FOR TAIGATEK OF GARBAGE TRUCK	34
POWER UNITS FOR VEHICLE TAILGATE	35
DC MOTOR PUMP GROUP 1	36
DC MOTOR PUMP GROUP 2	37
DC MOTOR PUMP GROUP 3	38

POWER UNITS ORDERING GUIDANCE

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(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14)

- (1) Product name:hydraulic power units
- (2) Series No.,which would be changed once there comes big improvement of the whole.power units.It comes into 1,2,3,4. Especially,the No.5 represents manifold made of aluminium. the No.6 represents manifold made of die-casting aluminium.
- (3) System pressure, which is used to point out the preset pressure of the relief valve.
A-1.6MPa B-2.5MPa C-6.3MPa D-10MPa E-16MPa F-20MPa G-25MPa H-32MPa
- (4) Rated pump displacement
①CBK series pumps;
0.63ml/r 0.8ml/r 1.2ml/r 1.6ml/r 2.1ml/r 2.5ml/r 2.7ml/r 3.2ml/r 3.7ml/r 4.2ml/r 5ml/r 6ml/r 8ml/r
②CBG series pumps;
2ml/r 3ml/r 3.5ml/r 4ml/r
③CBE series pumps
0.26ml/r 0.32ml/r 0.38ml/r 0.5ml/r 0.63ml/r 0.88ml/r 1.00ml/r 1.25ml/r 1.5ml/r
- (5) Oil tank capacity
U—0.5L V—0.8L W—1.0L S—1.4L Y—1.5L Z—2.0L A—3.0L or 4.0L B—5L or 6L C—8.0L D—10L
E—12L F—14L G—16L H—20L I—22L J—25L K—35L L—50L M-60L N—70L P—80L Q—13L R—30L S—7L
X-2.5L T-100L TA-120L
- (6) Motor voltage
①DC motor: 1-12V 2-24V 9-48V 10-72V 12-60V
②AC motor: 3—220V 4—380V 5—110V 6—415V 7—230/460V 8—115/230V 11—200V
13-110/220V 14-220/380V 15-230/400V 16-460V 17-400V 18-240V 19-120V 20-190/208-240/380V/460
21-230V 22-440V 23-100V 24-230/460/575V 25-208/230/460/380/400V 26-277V 27-220/44V 28-575V
- (7) Motor power
①DC motor:X—0.25kw S—0.5kw T—0.8kw U—1.0kw V— 1.2kw W—1.5kw A—2.0kw M-2.2kw
N-2.5kw L-1.8kw B—3.0kw P-4.0kw
② AC motor:C—0.37kw D—0.55kw E—0.75kw F—1.1kw G— 1.5kw H—2.2kw I—3.0kw J—4.0kw
Q-0.85kw R-1.8kw K-3.7kw
- (8) Hydraulic circuit No.See the hydraulic schematic circuit in the detailed page.
- (9) Motor type
O—no motor
T—the motor with Special requirements
①AC motors
A—Steel housing, vertical & horizontal,9T Spline,the center distance of the mounting hole is 113x113.
B—Steel housing, vertical,9T Spline,the center distance of the mounting hole is 113x113.
G—Extruding aluminum housing. vertical & horizontal,Tang,the center distance of the mounting hole is 113x113.
H—Extruding aluminum housing. vertical,Tang,the center distance of the mounting hole is 113x113.
L—Casting aluminium housing. vertical & horizontal, 9T Spline,the center distance of the mounting hole is 113x113.
M—Casting aluminium housing. vertical,9T Spline,the center distance of the mounting hole is 113x113.
N—Casting aluminium housing. vertical & horizontal,Tang,the center distance of the mounting hole is 117.4x117.4.
② DC motors

POWER UNITS ORDERING GUIDANCE

U—3 " DC motor(0.34HP-1.1HP)

V—3.5 " DC motor(1.1HP-1.6HP)

W—4.5 " DC motor(2HP-3HP)

X—5 " DC motor(4HP)

(10) Motor speed

O—Hydraulic system in the non-motor

T—the motor with Special requirements

①50HZ AC motor,50HZ A—960rpm B—1450rpm C—2850rpm D—1450/2850rpm

②60HZ AC motor,60HZ J—1100rpm K—1750rpm L—3450rpm

③50HZ/60HZ M-50HZ/60HZ N-50HZ/60HZ

④DC motor U—2500rpm V—3500rpm W—4500rpm

(11) Tank appearance

A—neck i.d ϕ 120, steel, round, horizontal.

B—neck i.d ϕ 120, steel, round, vertical.

C—neck i.d ϕ 120, steel, square, horizontal.

D—neck i.d ϕ 120, steel, square, vertical.

E—neck i.d ϕ 138, steel, round, horizontal.

F—neck i.d ϕ 138, steel, round, vertical.

G—neck i.d ϕ 138, steel, square, horizontal.

H—neck i.d ϕ 138, steel, square, vertical.

J—neck i.d ϕ 94, steel, round, horizontal.

K—neck i.d ϕ 94, steel, round, vertical.

L—neck i.d ϕ 94, steel, square, horizontal.

M—neck i.d ϕ 94, steel, square, vertical.

N—neck i.d ϕ 120, steel, round, 200

P—neck i.d ϕ 120, blow-molded plastic, round, horizontal.

Q—neck i.d ϕ 120, blow-molded plastic, round, vertical.

R—neck i.d ϕ 73, steel, square, horizontal.

S—neck i.d ϕ 73, steel, square, vertical.

U—neck i.d ϕ 120, injection molded plastic, round, horizontal.

V—neck i.d ϕ 120, injection molded plastic, round, vertical.

O—non-tank

T—the tank with Special requirements.

(12) Solenoid valve volt

A—12VDC, without manual override function.

B—24VDC, without manual override function.

C—24VAC, without manual override function.

D—110VAC, without manual override function.

E—220VAC, without manual override function.

H—12VDC, with manual override function.

I—24VDC, with manual override function.

J—24VAC, with manual override function.

K—110VAC, with manual override function.

L—220VAC, with manual override function.

O—No solenoid valve.

T—The solenoid valve with special requirements.

Z—referring to the manual valve with micro switch.

(13) Manifold model is selected by manufacturer.

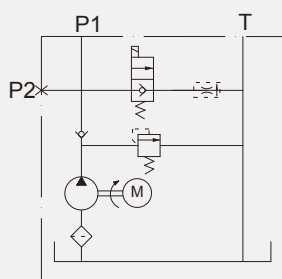
(14) Design No. which is selected by manufacturer, may be 1,2,3 or A,B,C.

POWER UNITS FOR FORK LIFT 2

General Description

- High Pressure and Low Noise Gear Pump/DC Motor/- Multi-functional Manifold/Valve/Tank
- Normally Closed Solenoid Operated Lowering Valve
- The Lowering Speed is Adjusted by the Pressure Compensated Flow Control Valve

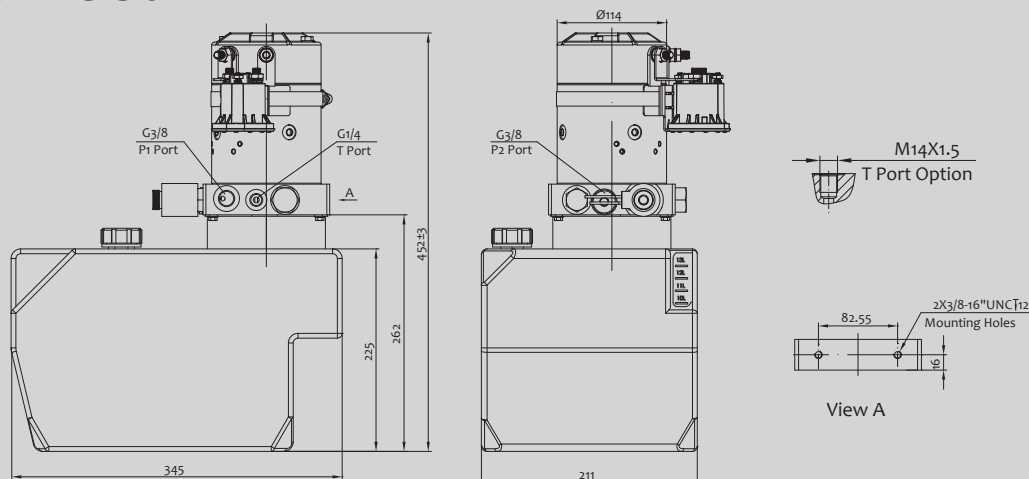
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15–68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5Q-F2.5E1A2/WUQAT1	12VDC	2KW	2500RPM	2.5ml/r	20MPa	12L	12VDC
YBZ5Q-F2.7E1A2/WUQAT1				2.7ml/r			
YBZ5Q-F2.5E2M2/WUQBT1	24VDC	2.2KW		2.5ml/r			24VDC
YBZ5Q-F3.2E2M2/WUQBT1				3.2ml/r			

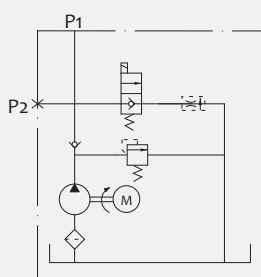
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR FORK LIFT 3

General Description

- High Pressure and Low Noise Gear Pump/DC Motor/- Multi-functional Manifold/Valve/Tank
- Normally Closed Solenoid Operated Lowering Valve
- The Lowering Speed is Adjusted by the Pressure Compensated Flow Control Valve

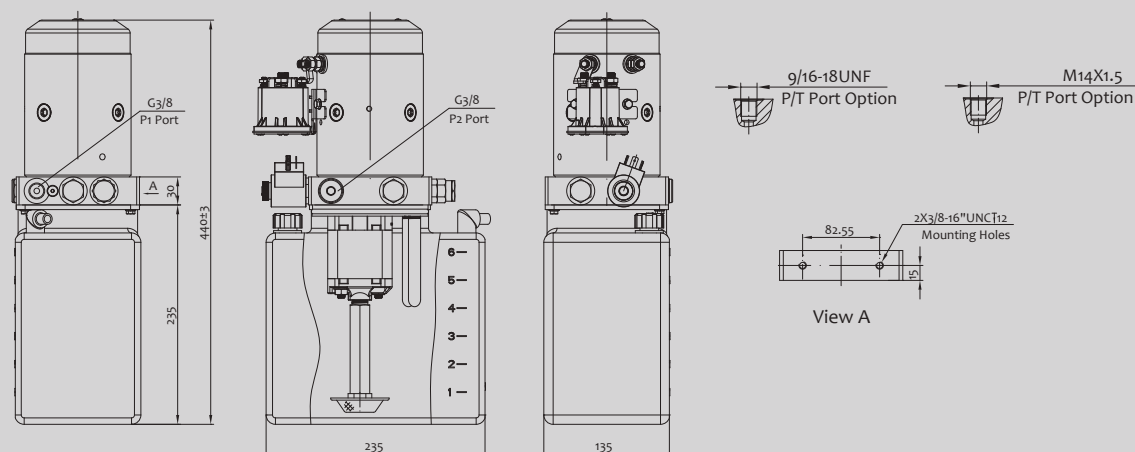
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5Q-E2.1B1W2/WUQAT11	12VDC	1.5KW	2500RPM	2.1ml/r	16-18MPa	6L	12VDC
YBZ5Q-E2.7B1W2/WUQAT11				2.7ml/r			
YBZ5Q-E3.2B2M2/WUQBT11	24VDC	2.2KW		3.2ml/r			24VDC
YBZ5Q-E3.7B2M2/WUQBT11				3.7ml/r			

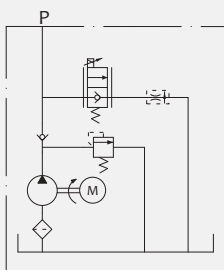
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR FORK LIFT 4

General Description

- High Pressure and Low Noise Gear Pump/DC Motor/- Multi-functional Manifold/Valve/Tank
- Normally Closed Electro-hydraulic Proportional Valve
- The Lowering Speed is Controlled by the Electro-hydraulic Proportional Valve as Well as The Pressure Compensated Flow Control Valve

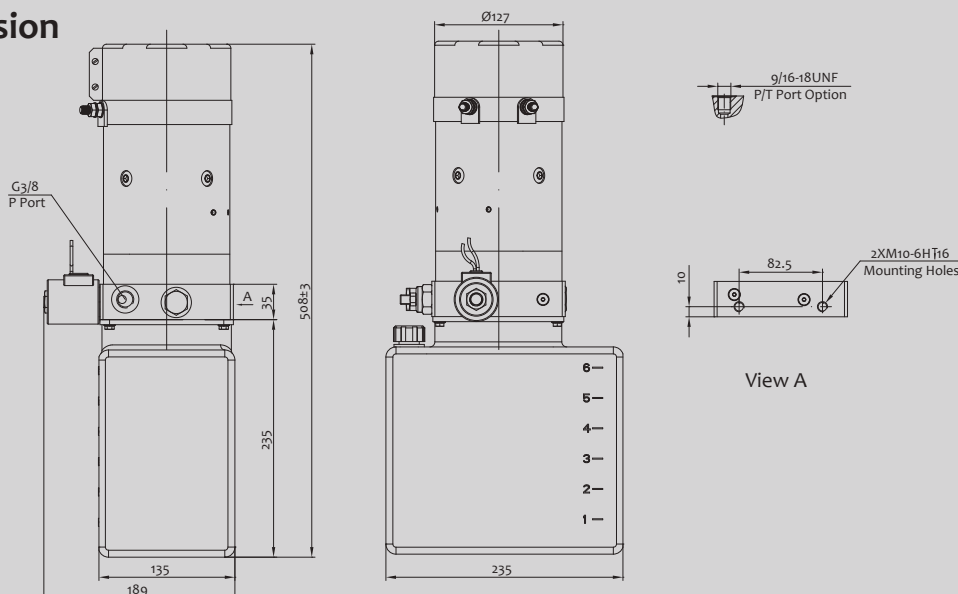
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5Q-F3.2B2B900/XVQBT1	24VDC	3KW	3500RPM	3.2ml/r	20MPa	6L	24VDC
YBZ5Q-E4.2B2B900/XVQBT1				4.2ml/r	16MPa		

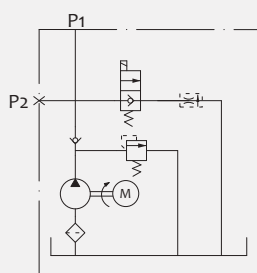
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

PALLET TRUCK POWER UNITS 1

General Description

- High Pressure Gear Pump/ Low Noise DC Motor/- Multi-functional Manifold/Valve/Tank
- Normally Closed Solenoid Operated Lowering Valve
- The Lowering Speed is Adjusted by the Pressure Compensated Flow Control Valve

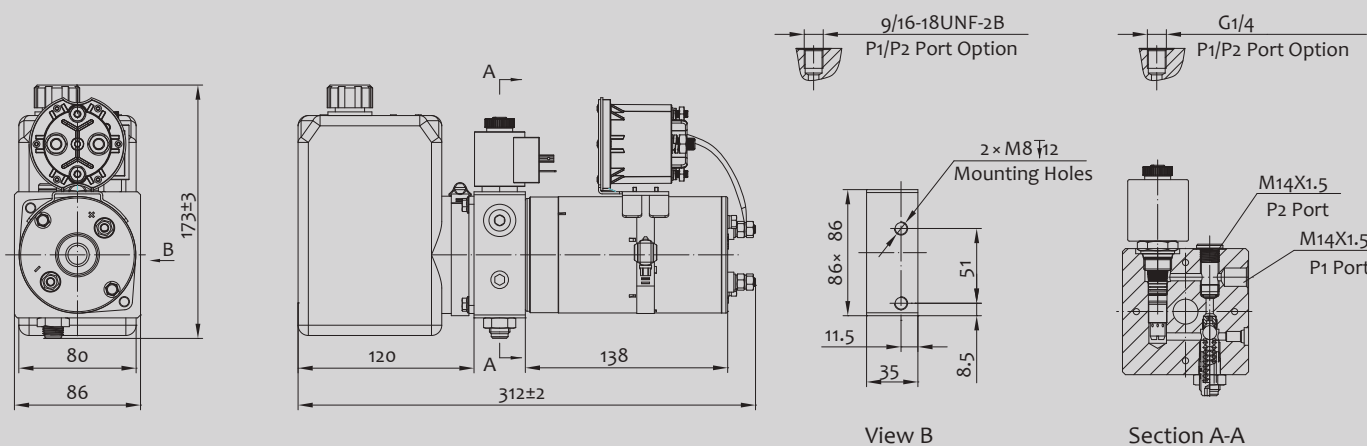
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-Eo.5W1T2/UVTAT1	12VDC	0.8KW	3500RPM	0.5mL/r	16MPa	1L	12VDC
YBZ5-Eo.6W1T2/UVTAT1				0.6mL/r			
YBZ5-Eo.6W2T2/UVTBT1	24VDC			0.75mL/r			24VDC
YBZ5-Eo.75W2T2/UVTBT1				1.0mL/r			
YBZ5-E1.0W9T2/UVTTT1	48VDC						48VDC

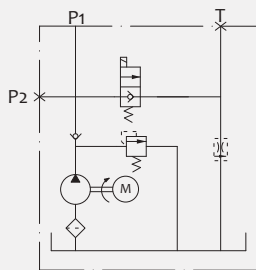
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

PALLET TRUCK POWER UNITS 2

General Description

- High Pressure Gear Pump/ DC Motor/Multi-functional Manifold/Valve/Tank
- Normally Closed Solenoid Operated Lowering Valve
- The Lowering Speed is Adjusted by the Pressure Compensated Flow Control Valve

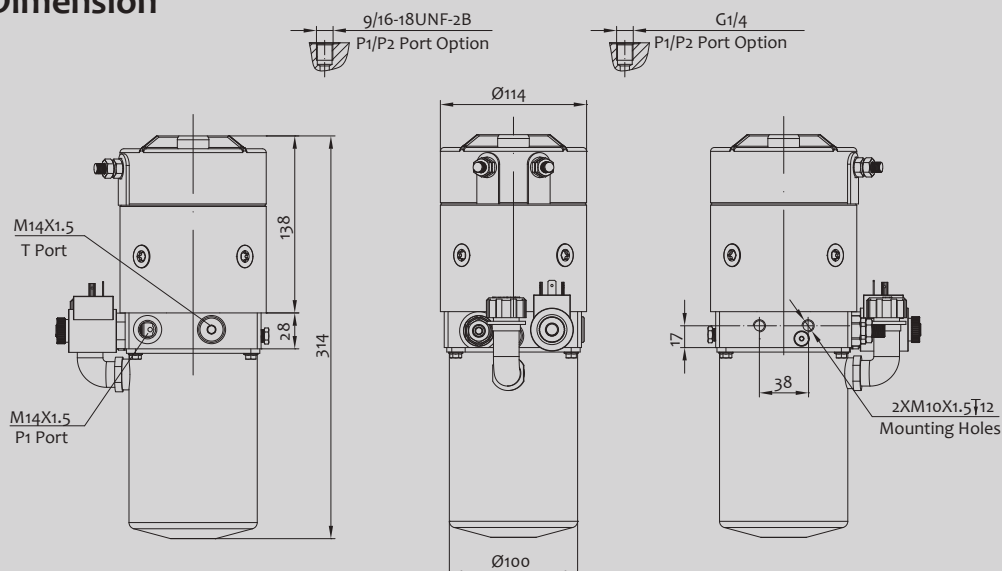
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15–68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-E1.0W2V2/WUTBT1	24VDC	1.3KW	2500RPM	1mL/r	16MPa	1L	24VDC
YBZ5-F0.75Y2V2/WUTBT1				0.75mL/r	20MPa	1.5L	

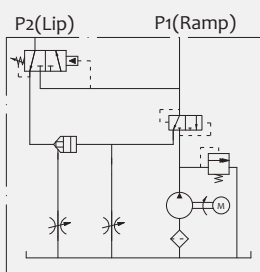
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR DOCK LEVELER 1

General Description

- High Pressure Gear Pump/ AC Motor/Multi-functional Manifold/Valve/Tank
- The Lowering Speed of Ramp and Lip is Adjusted by the Flow Control Valve

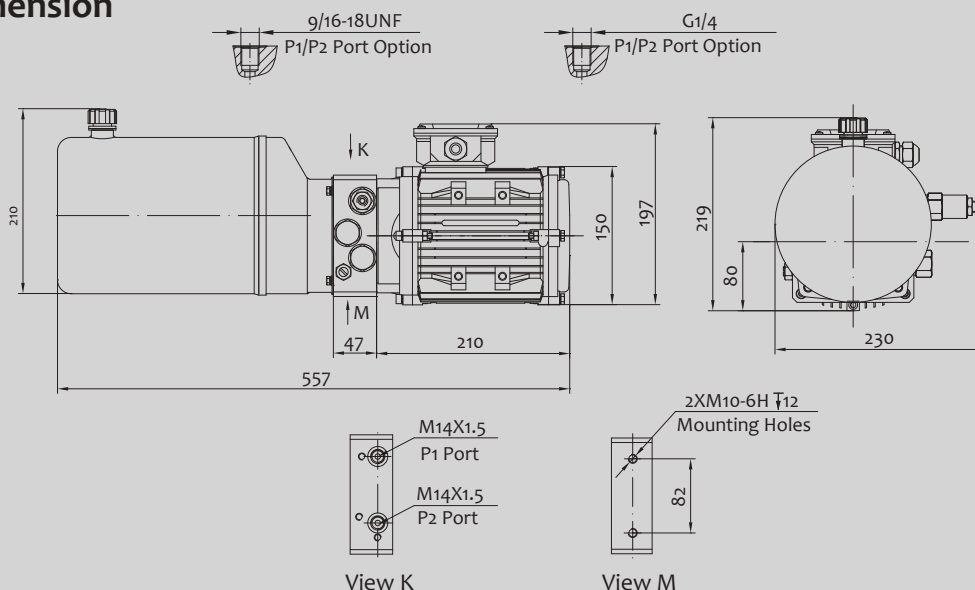
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Dimensions
YBZ5-E2.1B4E80/LBAOT1	380VAC	0.75KW	1450RPM	2.1mL/r	16MPa	6L	557mm
YBZ5-E2.7B4E80/LBAOT1				2.7mL/r	14MPa		

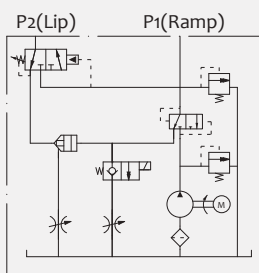
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR DOCK LEVELER 2

General Description

- High Pressure Gear Pump/ AC Motor/Multi-functional Manifold/Valve/Tank
- Normally Closed Solenoid Operated Lowering Valve
- The Lowering Speed of Ramp and Lip is Adjusted by the Flow Control Valve

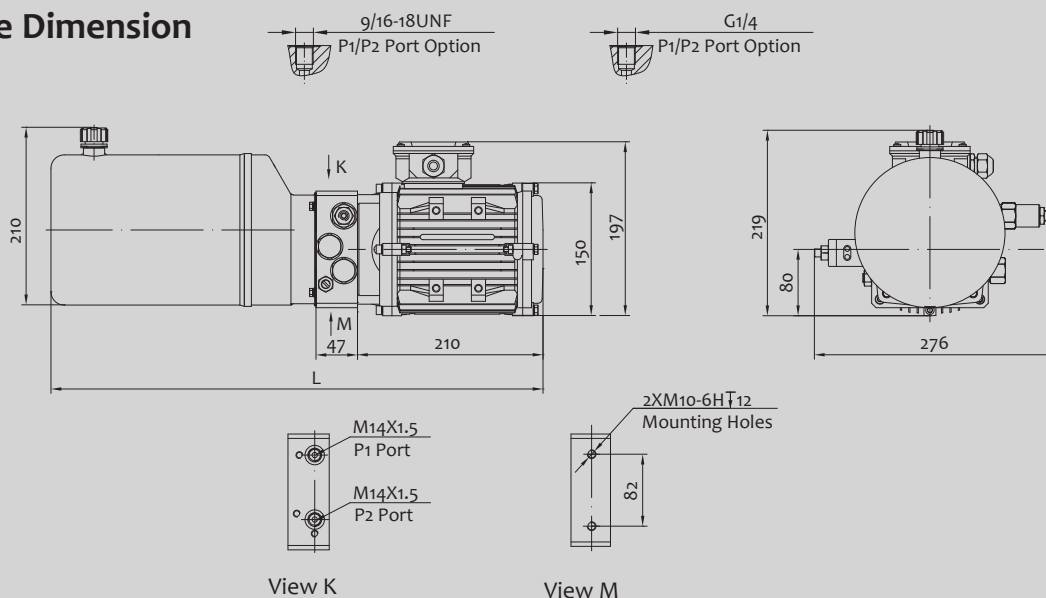
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-E3.2B4F82/LBAPT1	380VAC	1.1KW	1450RPM	3.2mL/r	16MPa	6L	24VDC
YBZ5-E2.7B4E82/LBAPT1		0.75KW		2.7mL/r	14MPa		

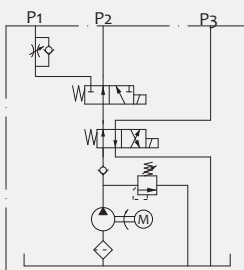
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR DOCK LEVELER 3

General Description

- High Pressure Gear Pump/AC Motor/Multi-functional Manifold/Valve/Tank
- The 3-Way,2-Position Solenoid Valve/The 4-Way,2-Position Solenoid Valve
- The Lowering Speed of Ramp is Adjusted by an One-way Flow Control Valve

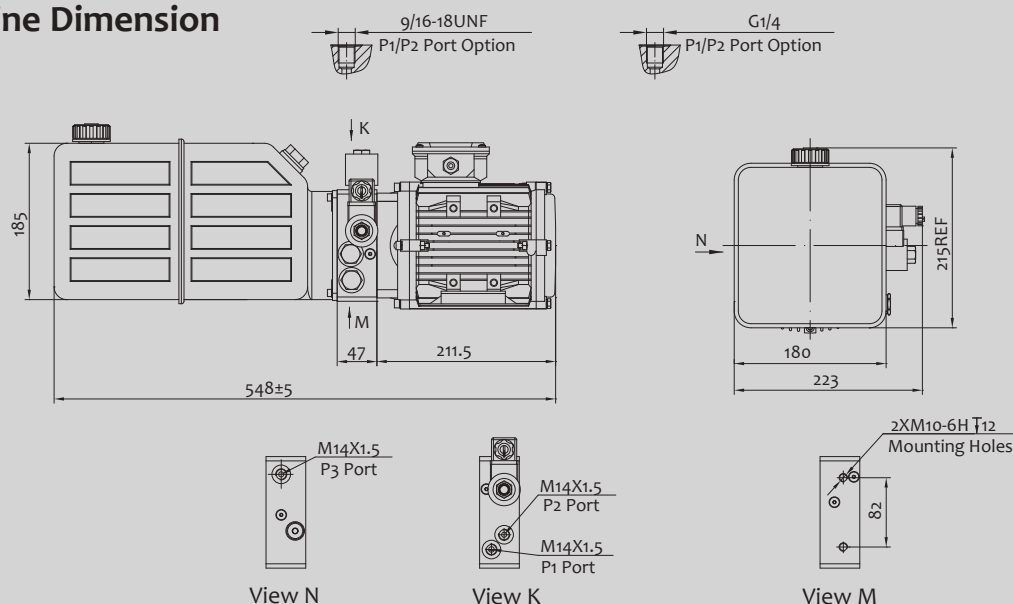
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-E2.7B4E180/MBUCT1	220/380VAC	0.75KW	1450RPM	2.7mL/r	16MPa	5L	24VAC
YBZ5-E2.7B4F180/MBUCT1		1.1KW			14MPa		

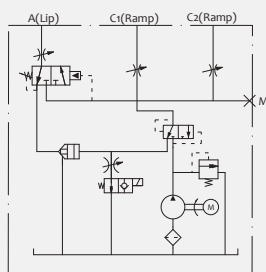
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR DOCK LEVELER 4

General Description

- High Pressure and Low Noise Gear Pump/Oil-immersed and Low Noise AC Motor/Multi-functional Manifold/-Valve/Tank
- Normally Opened Solenoid Operated Lowering Valve
- The Lowering Speed of Ramp is Adjusted by the Flow Control Valve

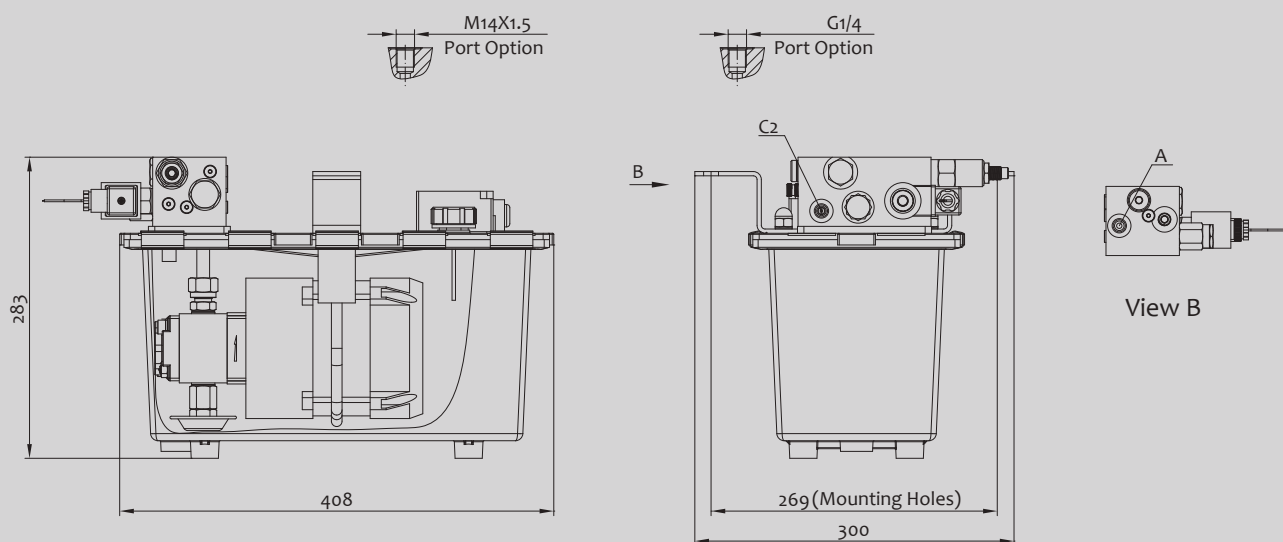
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZY-D3.2A4E81/TBTBO1	380VAC	0.75KW	1450RPM	3.2mL/r	13MPa	4L	24VDC
YBZY-D2.1A4E81/TBTBO1				2.1mL/r			

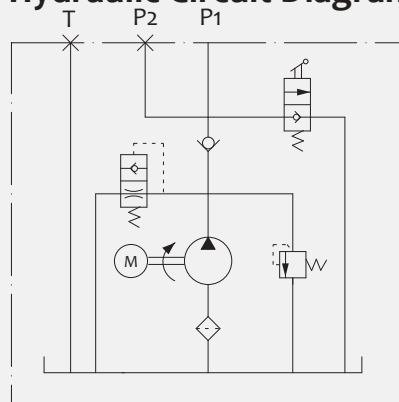
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

AUTO HOIST POWER UNITS 1

General Description

- High Pressure Gear Pump/AC Motor/Multi-functional Manifold/Valve/Tank
- Normally Closed Manual Operated Lowering Valve

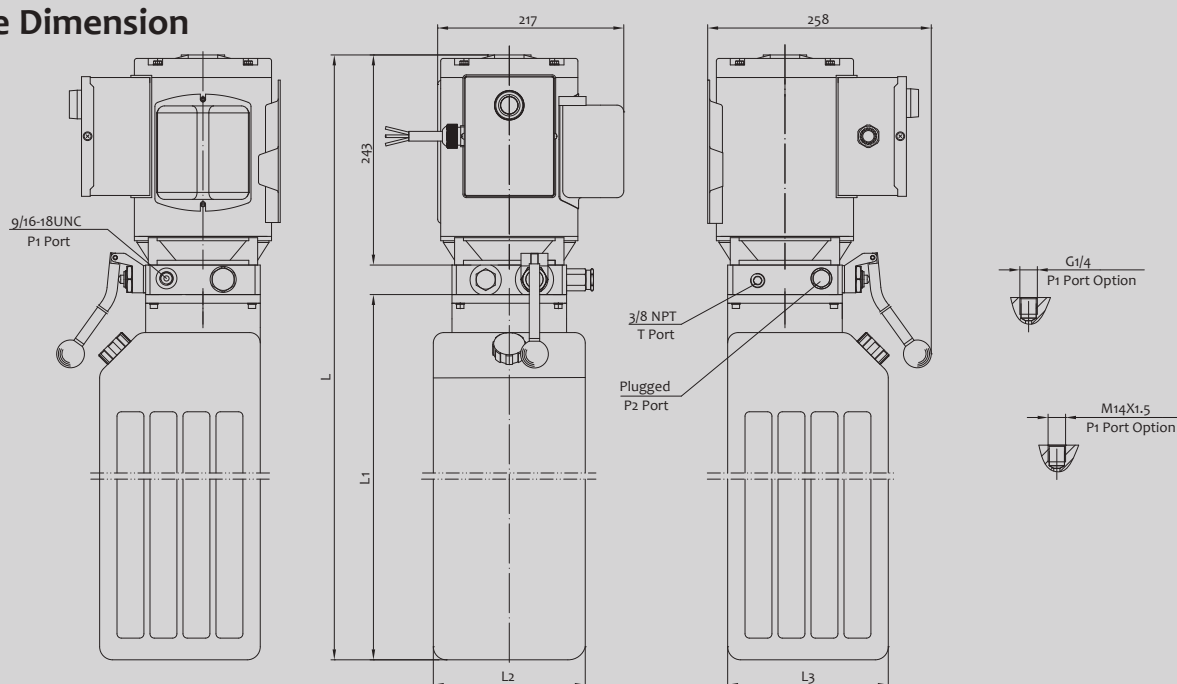
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15–68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Displacement	System Pressure	Rated Speed	Tank Capacity	Dimensions				Certification
							L1(mm)	L2(mm)	L3(mm)	L(mm)	
YBZ5-F0.8B5F1/ALVOT1	115V 60Hz	1.1KW	0.8ml/r	20MPa	3450RPM	6L	335	180	180	611	CE
YBZ5-F0.8C5F1/ALVOT1			1.2ml/r	17.5MPa		8L	440			716	
YBZ5-E1.2B5F1/ALVOT1						6L	335			611	
YBZ5-E1.2C5F1/ALVOT1						8L	440			716	
YBZ5-F0.8B8F1/AMVOT1	115/230V 50/60Hz		0.8ml/r	20MPa	2830/3450RPM	6L	335			611	
YBZ5-F0.8C8F1/AMVOT1			1.2ml/r	17.5MPa		8L	440			716	
YBZ5-E1.2B8F1/AMVOT2						6L	335			611	
YBZ5-E1.2C8F1/AMVOT1						8L	440			716	
YBZ5-F2.1E3H1/AMQOT1	208-240V	2.2KW	2.1ml/r	20MPa	2830/3450RPM	12L	540	165	185	816	
YBZ5-F2.1F3H1/AMQOT1	50/60Hz					14L	600	175	185	876	
YBZ5-F2.1E7H1/ALQOT1	230/460V				3450RPM	12L	540	165	185	816	
YBZ5-F2.1F7H1/ALQOT1	60Hz					14L	600	175	185	876	
YBZ5-F2.1E20H1/AMQOT1	190/ 208-240/ 380/460V 50/60Hz		2.5ml/r	17.5MPa	2830/3450RPM	12L	540	165	185	816	
YBZ5-F2.5F20H1/AMQOT1						14L	600	175	185	876	
YBZ5-E4.2E20H1/ANQOT1			4.2ml/r		1450/1725RPM	12L	540	165	185	816	
YBZ5-E4.2F20H1/ANQOT1						14L	600	175	185	876	
YBZ5-F0.8B8F1/AMQOT4	115/230V 50/60Hz	1.1KW	0.8ml/r	20MPa	2830/3450RPM	6L	335	180	180	611	ETL
YBZ5-F2.1F3H1/AMQOT4	220V 50/60Hz	2.2KW	2.1ml/r			14L	600	175	185	876	
YBZ5-F2.1F3H1/ALQOT1	220V 60Hz	2.2KW	2.1ml/r	20MPa	3450RPM	14L	600	175	185	876	UL
YBZ5-E2.1F3H1/ALQOT1				17.5MPa							

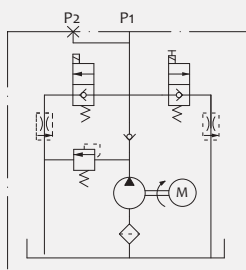
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

AUTO HOIST POWER UNITS 2

General Description

- High Pressure Gear Pump/AC Motor/Multi-functional Manifold/Valve/Tank
- Normally Closed Solenoid Operated Lowering Valve
- The Lowering Speed is Adjusted by the Pressure Compensated Flow Control Valve

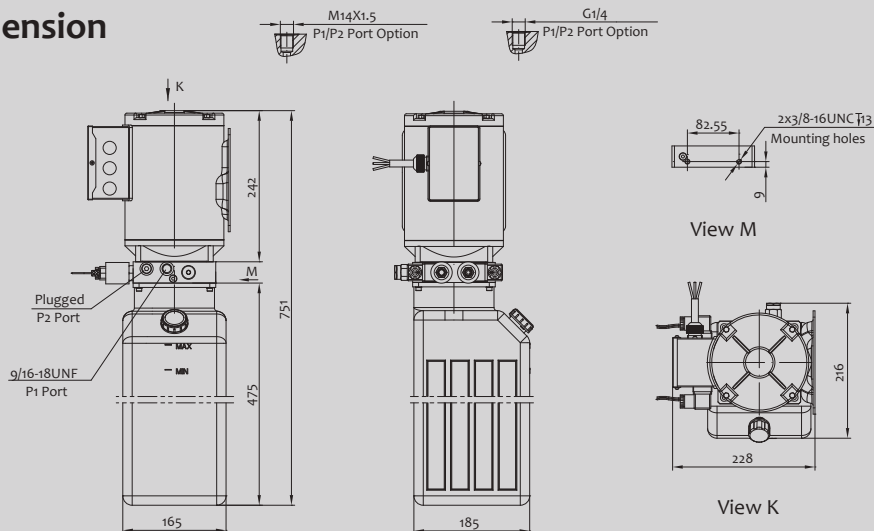
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-F2.7D4H202/ACQIT1	380VAC	2.2KW	2850RPM	2.7mL/r	20MPa	10L	24VDC
YBZ5-F2.7D4H202/ACDIT1				3.2mL/r	16MPa		
YBZ5-E3.2D3H202/LCQIT1	220VAC	3KW	3500RPM	2.7mL/r	20MPa		
YBZ5-F2.7D2B202/XVQIT1	24VDC			2.7mL/r	20MPa		

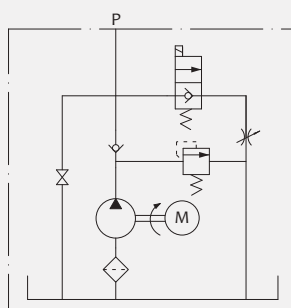
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR LIFT TABLE 1

General Description

- High Pressure Gear Pump/AC Motor/Multi-functional Manifold/Valve/Tank
- Normally Closed Solenoid Operated Lowering Valve
- The Lowering Speed is Adjusted by the Flow Control Valve

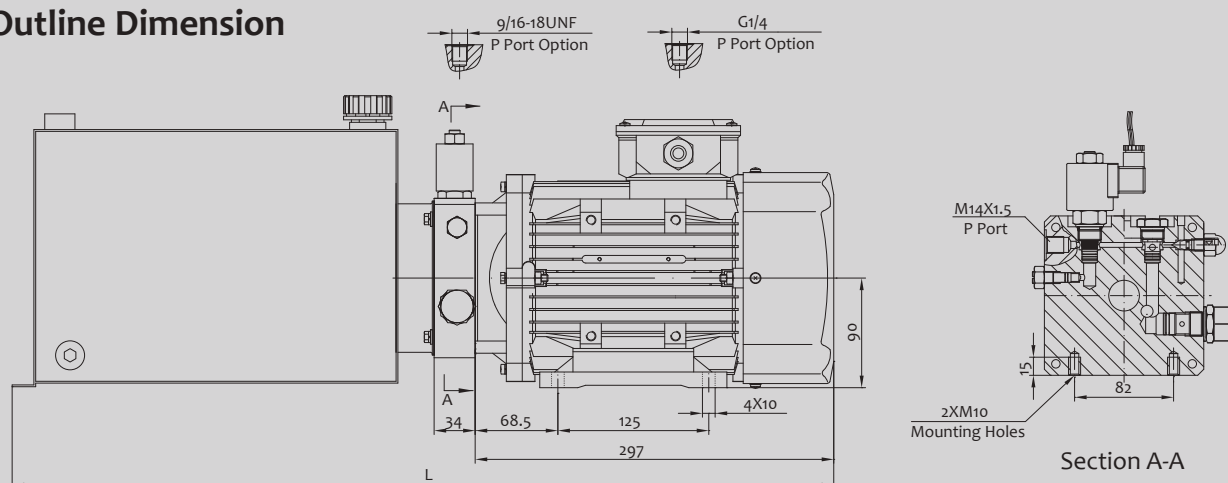
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-F2.5E3H2/LCCAG1	220VAC	2.2KW	2850RPM	2.5mL/r	18MPa	12L	12VDC
YBZ5-E3.2F3H2/LCCBG1				3.2mL/r	14MPa	14L	24VDC
YBZ5-D3.7G3H2/LCCCG1				3.7mL/r	12MPa	16L	24VAC
YBZ5-E3.7G4I2/LCCDG1	380VAC	3KW		3.7mL/r	16MPa	16L	110VAC
YBZ5-E4.2H4I2/LCCEG1				4.2mL/r	15MPa	20L	220VAC
YBZ5-D5J4I2/LCCEG1				5mL/r	12MPa	25L	220VAC

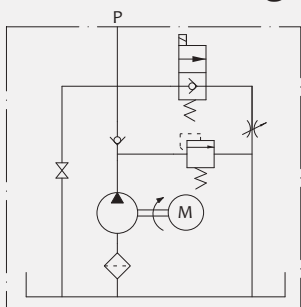
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR LIFT TABLE 2

General Description

- High Pressure Gear Pump/AC Motor/Multi-functional Manifold/Valve/Tank
- Normally Closed Solenoid Operated Lowering Valve
- The Lowering Speed is Adjusted by the Flow Control Valve

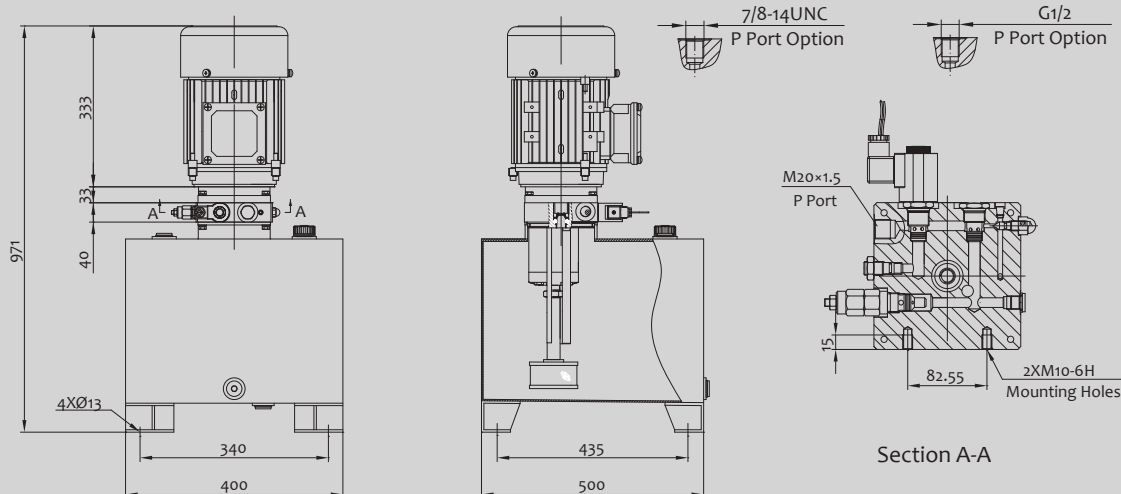
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15–68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
LPU-E15P4J2/TKDAZ1	380VAC	4KW	1750RPM	15.92mL/r	16MPa	80L	12VDC
LPU-E15P4K2/TKDBZ1		5.5KW		23.27mL/r	14MPa		24VDC
LPU-E23P4K2/TKDDZ1							110VAC
LPU-D28P4K2/TKDEZ1							220VAC

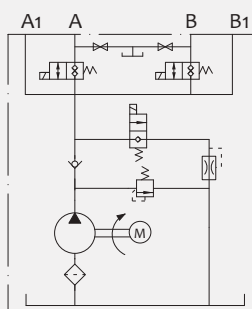
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR DUBBLE-SCISSORS LIFT 1

General Description

- Gear Pump/ AC Motor/Multi-functional Manifold/- Valve/Tank
- Two-way Shut-off Valve
- The Lowering Speed is Adjusted by the Pressure Compensated Flow Control Valve

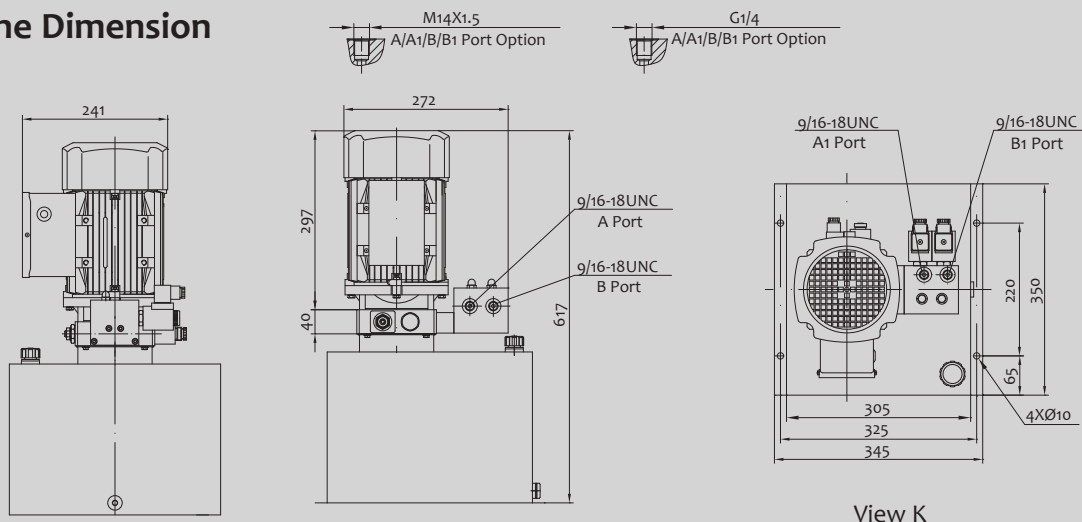
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-F2.7C3G30/LBAAN1	220VAC	1.5KW	1450rpm	2.7mL/r	22MPa	8L	12VDC
YBZ5-F3.2E3G30/LBCAN1				3.2mL/r	20MPa	12L	
YBZ5-E3.2G3H30/LCCBN1		2.2KW	2850rpm	3.2mL/r	15MPa	16L	24VDC
YBZ5-D4.2G3H30/LCCDN1				4.2mL/r	10MPa		110VAC

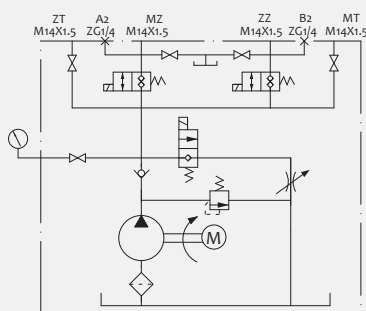
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR DUBBLE-SCISSORS LIFT 2

General Description

- Gear Pump/ AC Motor/Multi-functional Manifold/- Valve/Tank
- Two-way Shut-off Valve
- The Lowering Speed is Adjusted by the Flow Control Valve

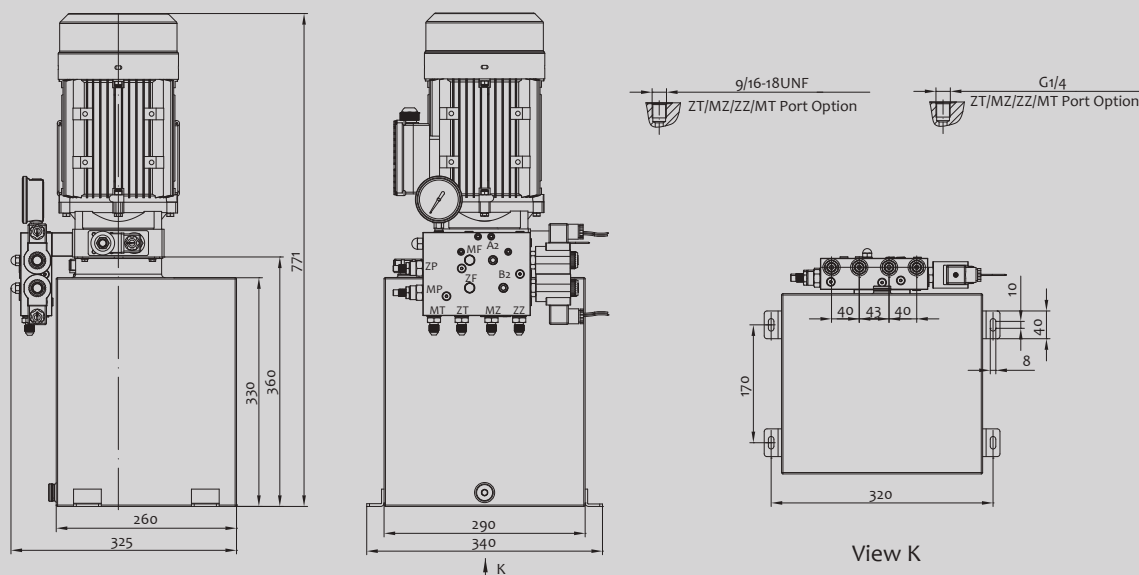
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-G2.1J3H30E/MCDBN2	220VAC	2.2KW	2800 RPM	2.1mL/r	25MPa	25L	24VDC
YBZ5-G2.5J4H30E/MCDEN2	380VAC			2.5mL/r			220VAC

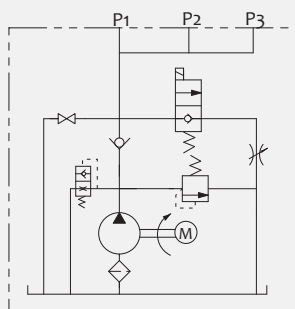
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR SCISSOR LIFT

General Description

- Gear Pump/ AC Motor/Multi-functional Manifold/- Valve/Tank
- Normally Closed Solenoid Operated Lowering Valve
- The Lowering Speed is Adjusted by the Flow Control Valve

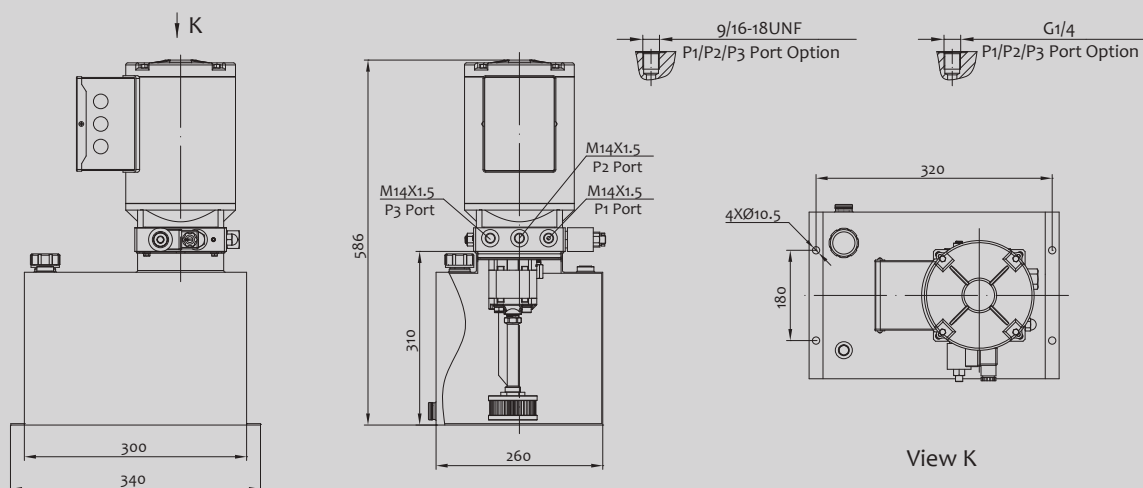
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



View K

Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-F2.1H4H2/BCDBT1	380VAC	2.2KW	2850RPM	2.1mL/r	23MPa	20L	24VDC
YBZ5-G2.5H4I2/BCDBT1		3KW		2.5mL/r	25MPa		
YBZ5-G2.5G3I2/ACDBT1	220VAC					16L	

Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

ELECTRIC-BASKETBALL STANDS POWER UNITS

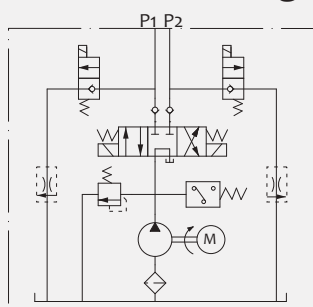
General Description

- High Pressure Gear Pump/AC Motor/Multi-functional Manifold/Valve/Tank
- The 4-Way,3-Position Solenoid Valve

The Lowering Speed is Adjusted by the Pressure

- Compensated Flow Control Valve

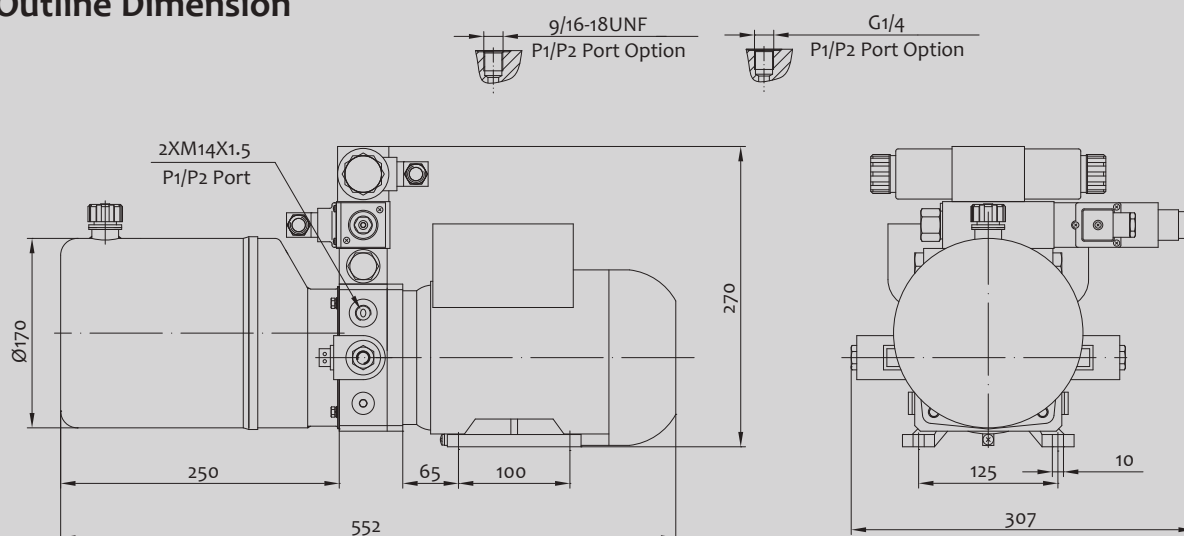
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15–68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-F1.6B3E42/1	220VAC	0.75KW	1450RPM	1.6ml/r	20MPa	5L	24VDC
YBZ5-E3.7B3G42/1		1.5KW		3.7ml/r	18MPa		

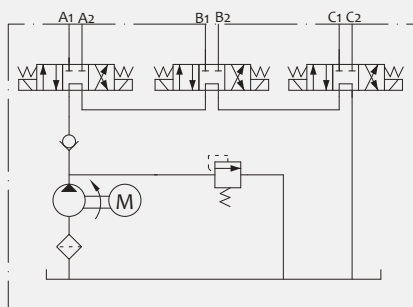
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNIT FOR TIRE CHANGER

General Description

- High Pressure Gear Pump/AC Motor/Multi-functional Manifold/Valve/Tank
- The 4-Way,3-Position Solenoid Valve

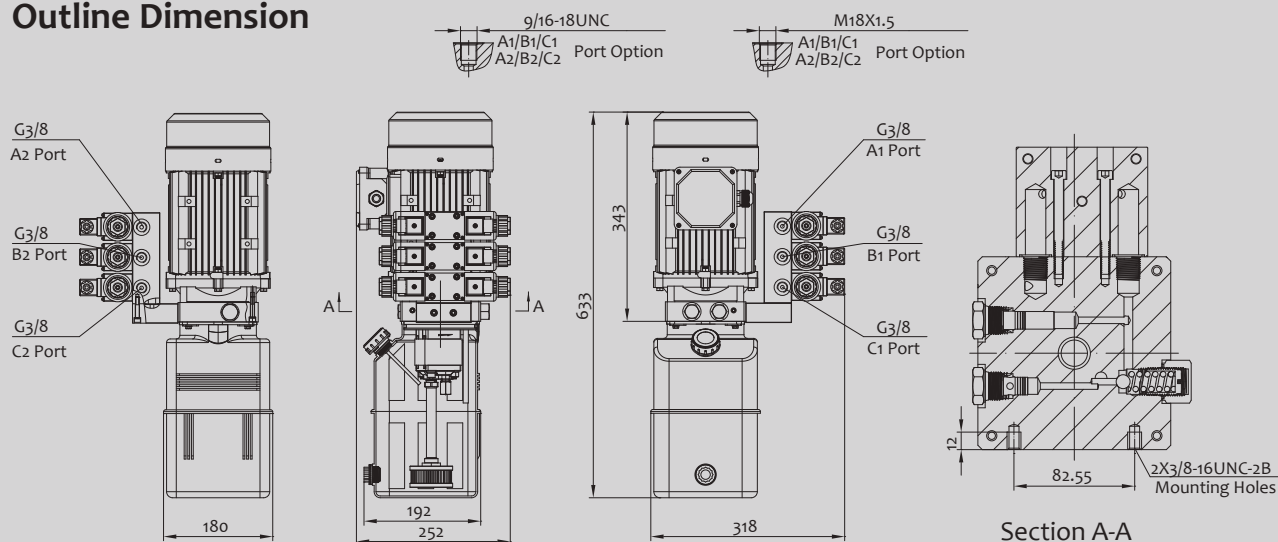
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-F2.7B4G40/MNVBE1	380VAC	1.5KW	1430RPM/ 1750RPM	2.7ml/r	20MPa	5L	24VDC
YBZ5-F2.5B4G40/MNVBE1				2.5ml/r		6L	
YBZ5-F2.1C4G40/MNVAE1				2.1ml/r		8L	12VDC

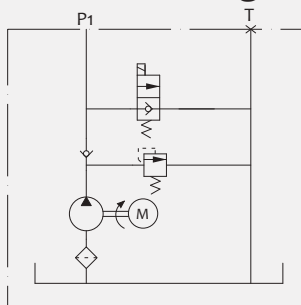
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

TIPPER TRAILER POWER UNITS 1

General Description

- High Pressure Gear Pump/ Low Noise DC Motor/- Multi-functional Manifold/Valve/Tank
- Normally Closed Solenoid Operated Lowering Valve

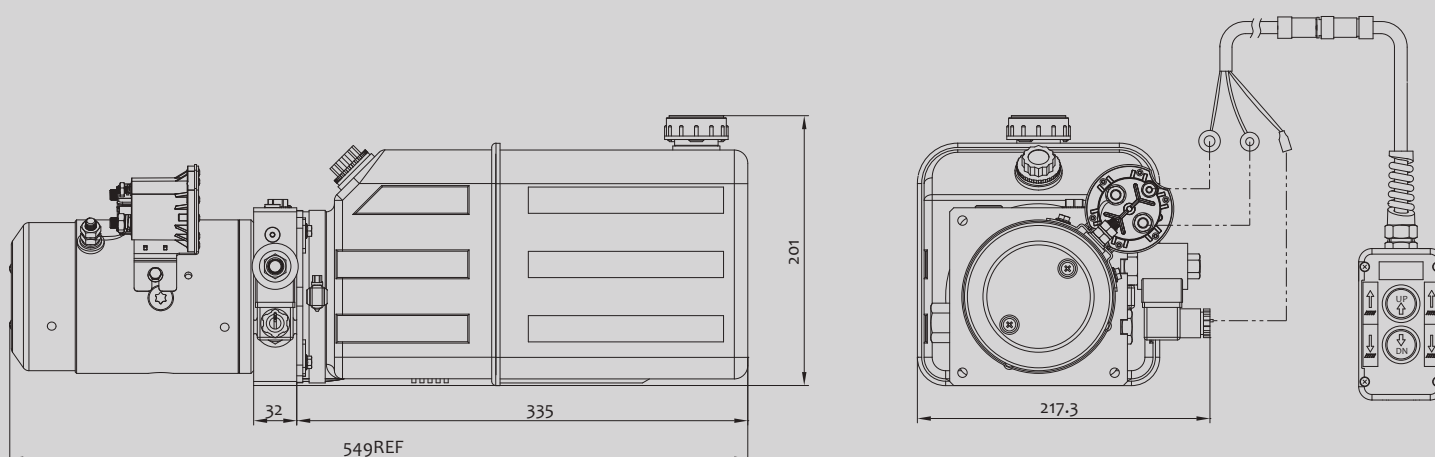
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15–68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-F2.1B1W2/WUUA1	12VDC	1.5KW	2500rpm	2.1mL/r	20MPa	6L	12VDC
YBZ5-F2.1A1W2/WUUA1						4L	
YBZ5-F2.5E2A2/WUCBD1/RC	24VDC	2.0KW		2.5mL/r		12L	24VDC
YBZ5-F2.7G2A2/WUABD1/RC				2.7mL/r		16L	

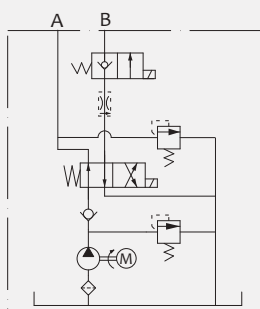
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

TIPPER TRAILER POWER UNITS 2

General Description

- High Pressure Gear Pump/ Low Noise DC Motor/- Multi-functional Manifold/Valve/Tank
- The 4-Way,2-Position Solenoid Valve
- The Lowering Speed is Adjusted by the Pressure Compensated Flow Control Valve

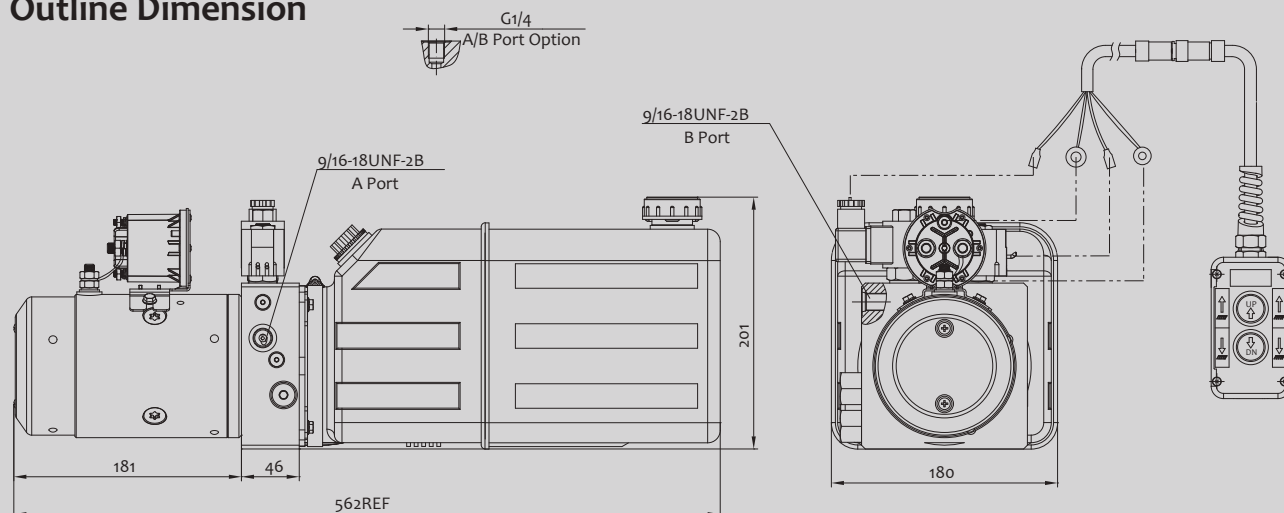
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15–68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-F2.1B1A61/WUUT1	12VDC	2.0KW	2500RPM	2.1mL/r	20MPa	6L	12VDC
YBZ5-F2.1B1A61/WUUT1							10VDC
YBZ5-F2.1B2A61/WUABT1/RC	24VDC			2.7mL/r			24VDC
YBZ5-F2.7B2A61/WUABT1/RC							

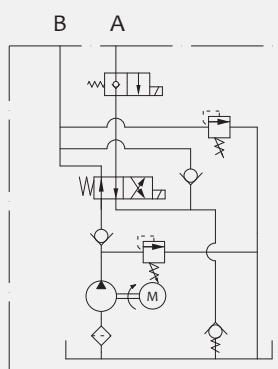
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

TIPPER TRAILER POWER UNITS 3

General Description

- High Pressure Gear Pump/DC Motor/Multi-functional Manifold/Valve/Tank
- The 4-Way,2-Position Solenoid Valve

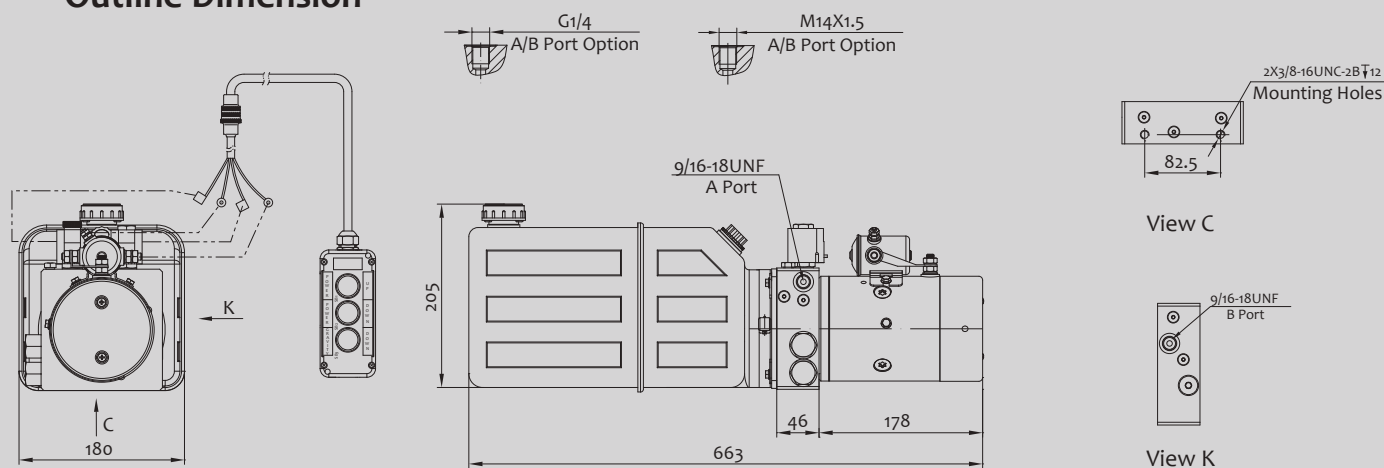
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-F2.1A1A161/WUUTT1	12VDC	2.0KW	2500RPM	2.1mL/r	22MPa	4L	10VDC
YBZ5-F2.1B1A161/WUUTT1						6L	
YBZ5-F2.1C1A161/WUUTT1						8L	
YBZ5-F2.1A2A161/WUUBT1	24VDC	2.0KW	2500RPM	2.1mL/r	22MPa	4L	24VDC
YBZ5-F2.1B2A161/WUUBT1						6L	
YBZ5-F2.1C2A161/WUUBT1						8L	

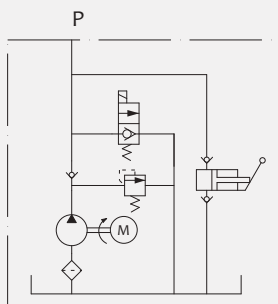
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

TIPPER TRAILER POWER UNITS 4

General Description

- High Pressure Gear Pump/DC Motor/Multi-functional Manifold/Valve/Tank
- Normally Closed Solenoid Operated Lowering Valve

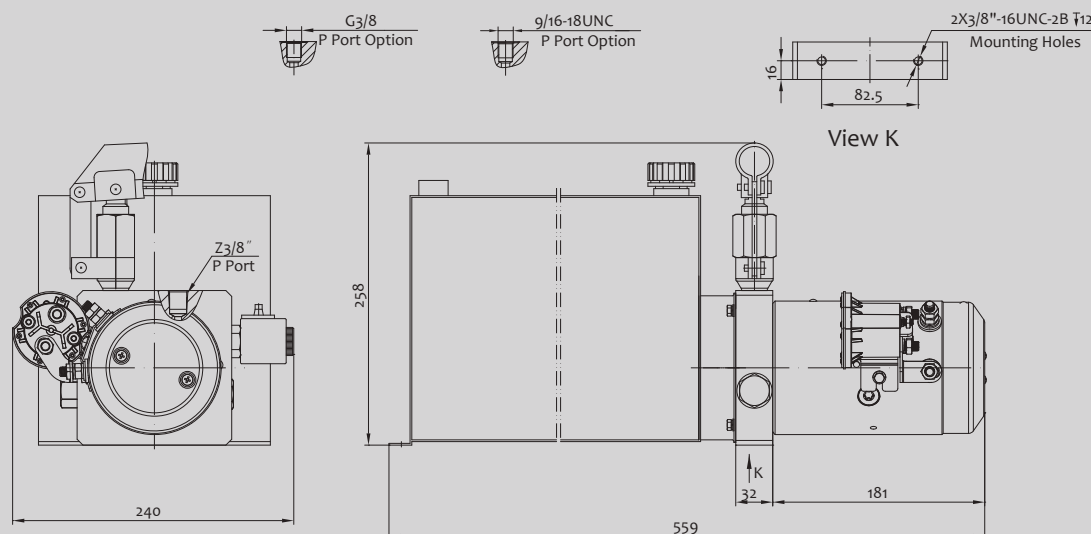
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15–68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-F2.1E1W27/WUCAT1	12VDC	1.5KW	2500rpm	2.1mL/r	20MPa	12L	12VDC
YBZ5-F2.1H1W27/WUCAT1						20L	
YBZ5-F2.5E2A27/WUCBT1	24VDC	2.0KW		2.5mL/r	18MPa	12L	24VDC
YBZ5-F2.7H2A27/WUCBT1				2.7mL/r		20L	

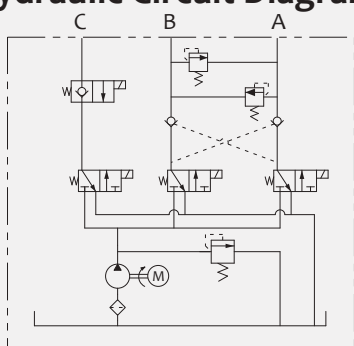
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR SNOW PLOW

General Description

- High Pressure Gear Pump/DC Motor/Multi-functional Manifold/Valve/Tank
- Dual Pilot-operated Check Valve
- The 3-Way,2-Position Solenoid Valve

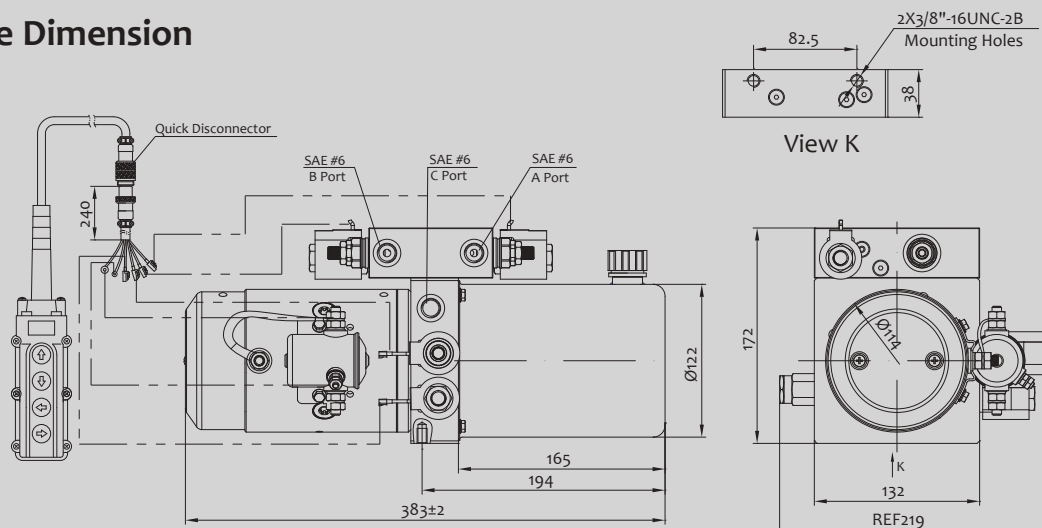
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5—E1.2Y1W514/WUAAT1	12VDC	1.5KW	2500RPM	1.2ml/r	16MPa	1.5L	12VDC
YBZ5—E1.6Y1W514/WUAAT1				1.6ml/r			
YBZ5—E2.1Y2A514/WUAAT1	24VDC	2KW		2.1ml/r			
YBZ5—E2.5Y2A514/WUAAT1				2.5ml/r			

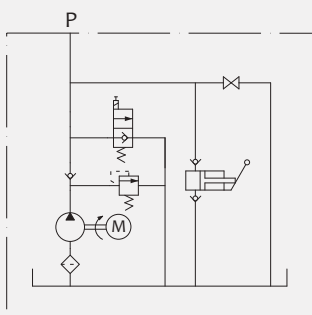
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

WHEEL CHAIR POWER UNITS

General Description

- High Pressure Gear Pump/DC Motor/Multi-functional Manifold/Valve/Tank

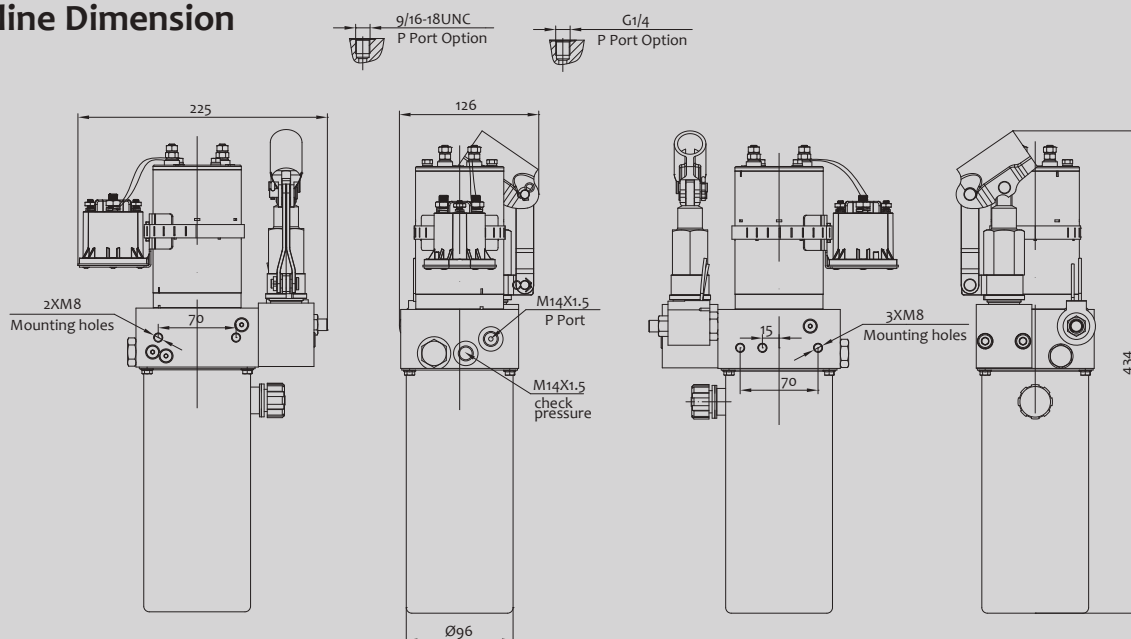
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15–68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-Do.63Y1T48/UVMHK1	12VDC	0.8KW	3500RPM	0.63ml/r	10MPa	1.5L	12VDC
YBZ5-Do.63S1T48/UVKHT1						1.4L	
YBZ5-Do.63S2T48/UVKIT1	24VDC	0.8KW	3500RPM	0.63ml/r	10MPa	1.4L	24VDC
YBZ5-Do.63Y2T48/UVKHK1						1.5L	12VDC

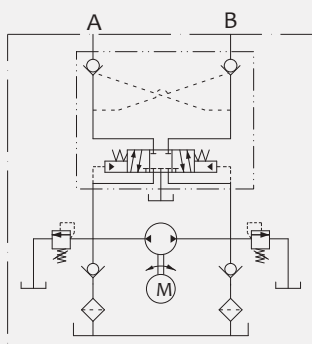
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

RV POWER UNITS 1

General Description

- Bidirectional Gear Pump/DC Motor/Multi-functional Manifold/Valve/Tank
- Dual Pilot-operated Check Valve

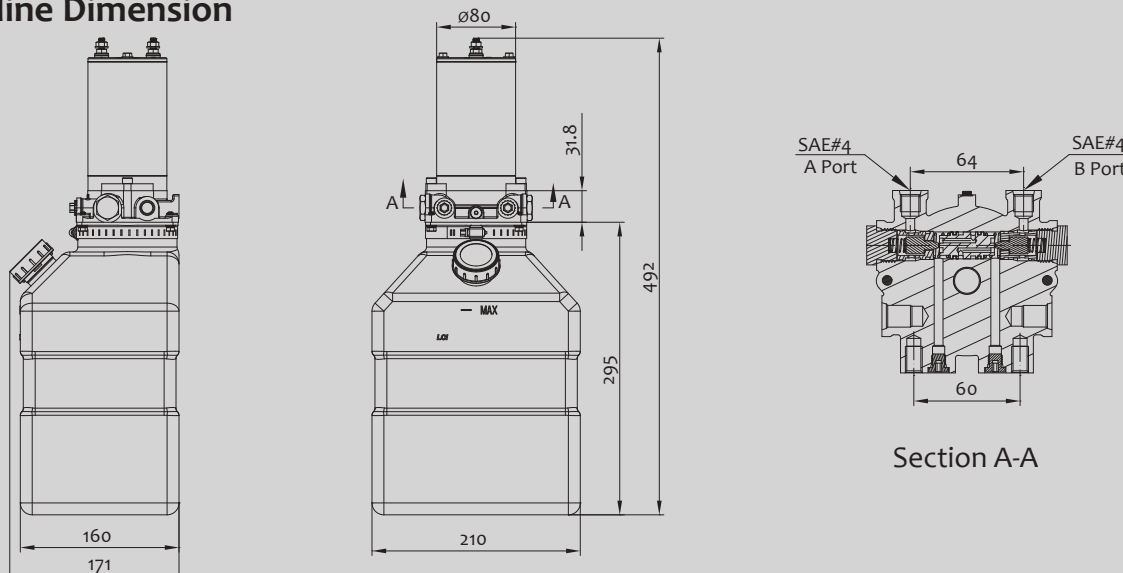
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity
YBZS-Fo.88S1T1o8/UVYOT1	12VDC	0.8KW	3500RPM	0.88ml/r	20MPa	7L
YBZS-Fo.32V2T1o8/UVYOT1	24VDC			0.32ml/r		0.8L

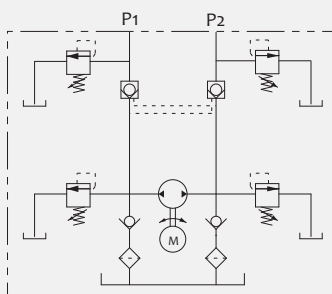
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

RV POWER UNITS 2

General Description

- Bidirectional Gear Pump/DC Motor/Multi-functional Manifold/Valve/Tank
- Dual Pilot-operated Check Valve

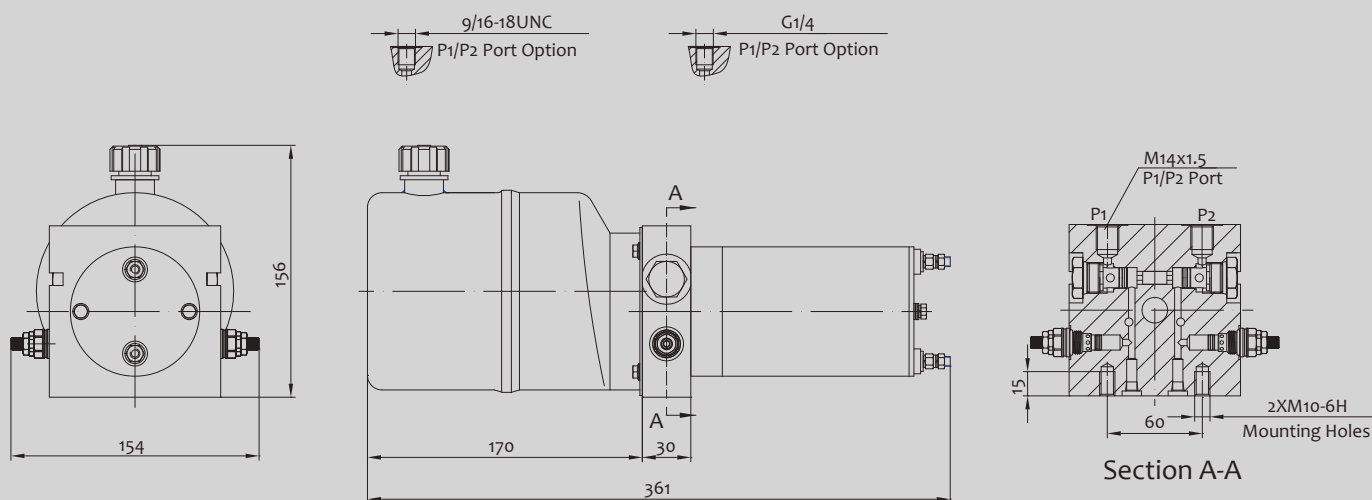
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity
YBZS—Eo.5S1T101/1	12VDC	0.8KW	3500RPM	0.5ml/r	17.5MPa	1.4L
YBZS—Eo.63S2T101/1	24VDC			0.63ml/r		

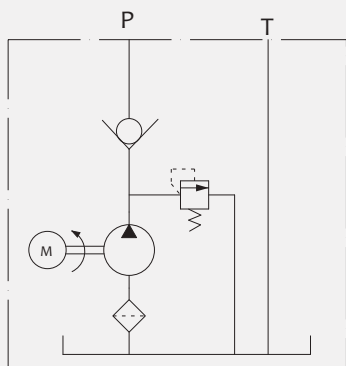
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR MEDICAL CARE EQUIPMENT

General Description

- High Pressure Gear Pump/DC Motor/Multi-functional Manifold/Valve/Tank

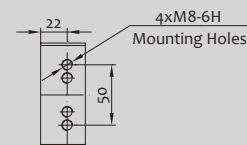
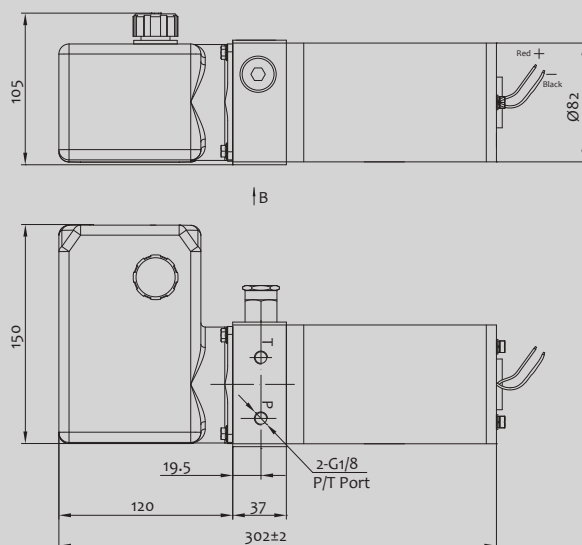
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



View B

Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity
YBZ5-Bo.32W2Xo/UUTOTL1	24VDC	0.25KW	2500RPM	0.32ml/r	6.5MPa	1L
YBZ5-Co.26W2Xo/UUTOTL1				0.26ml/r	10MPa	

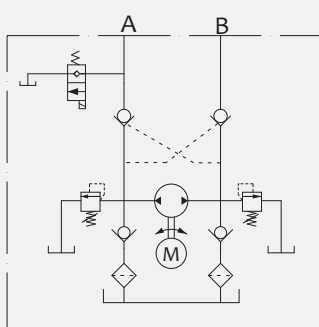
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR ROAD PILE

General Description

- Bidirectional Gear Pump/AC Motor/Multi-functional Manifold/Valve/Tank
- Dual Pilot-operated Check Valve

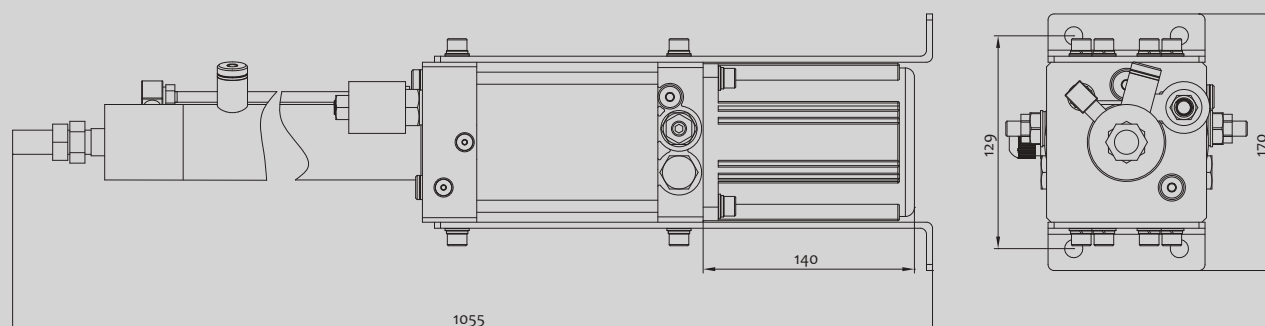
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZS-B1.5U3C108A/TCTBT1	220VAC	0.37KW	2850RPM	1.5ml/r	2.5MPa	0.5L	24VDC

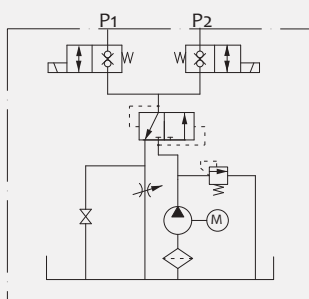
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR TAIGATEK OF GARBAGE TRUCK

General Description

- High Pressure and Low Noise Gear Pump/DC Motor/- Multi-functional Manifold/Valve/Tank
- Two-way Shut-off Valve
- The Lowering Speed is Adjusted by the Flow Control Valve

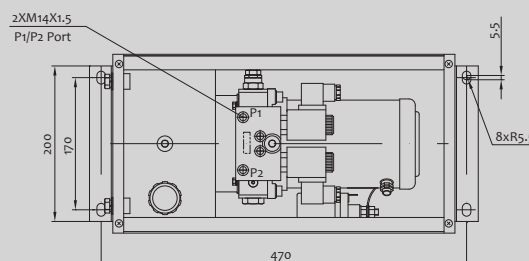
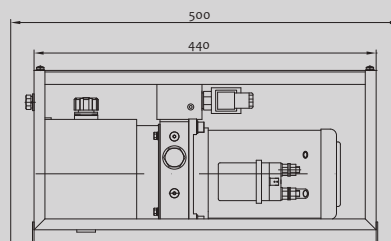
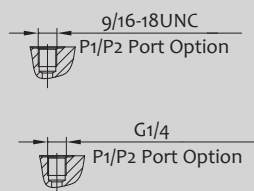
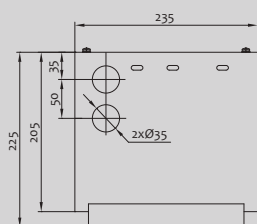
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15–68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-D1.6A9A30/WUCTT2	48VDC	2KW	2500RPM	1.6ml/r	10MPa	3L	48VDC
YBZ5-D1.6A9A30/WUCAT1							12VDC

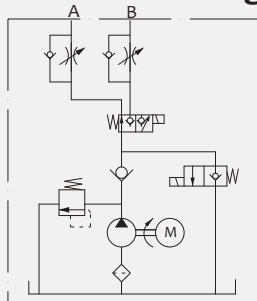
Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

POWER UNITS FOR VEHICLE TAILGATE

General Description

- High Pressure and Low Noise Gear Pump/DC Motor/- Multi-functional Manifold/Valve/Tank
- The 3-way,2-Position Solenoid Valve
- The Lowering Speed of Ramp is Adjusted by an One-way Flow Control Valve

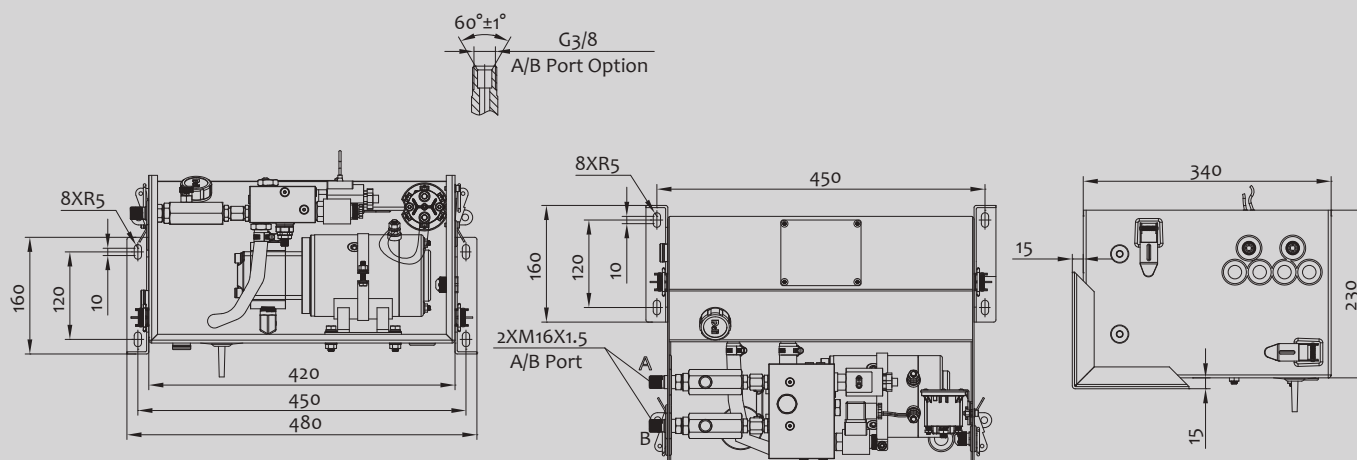
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity	Solenoid Valve Voltage
YBZ5-E2.5E2A70C/WUCBO1	24VDC	2KW	2500RPM	2.5mL/r	16MPa	12L	24VDC
YBZ5-D3.2E2A70C/WUCBO1				3.2mL/r	12MPa		

Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

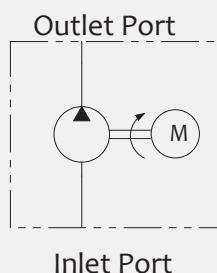
DC MOTOR PUMP GROUP 1

Order Code

DMP-1S ☐ ☐ ☐ - ☐ ☐ X U A

DMP DC motor pump group	
1S	CB1S Pump Type
F	20MPa
E	16MPa
D	10MPa
C	6.5MPa
Operating Pressure	
9	9ml/r
6	6ml/r
4	4ml/r
3.2	3.2ml/r
Pump Displacement	
Design NO. A-Z	
Nominal Speed U 2500RPM	
Motor Type X 5"	
Motor Power B 3KW	
W 1.5KW	
Motor Voltage 2 24V	
1 12V	
Port Configurations	
Omit or S	SAE Ports
G	Gas Threaded Ports
B	Metric Threaded Ports

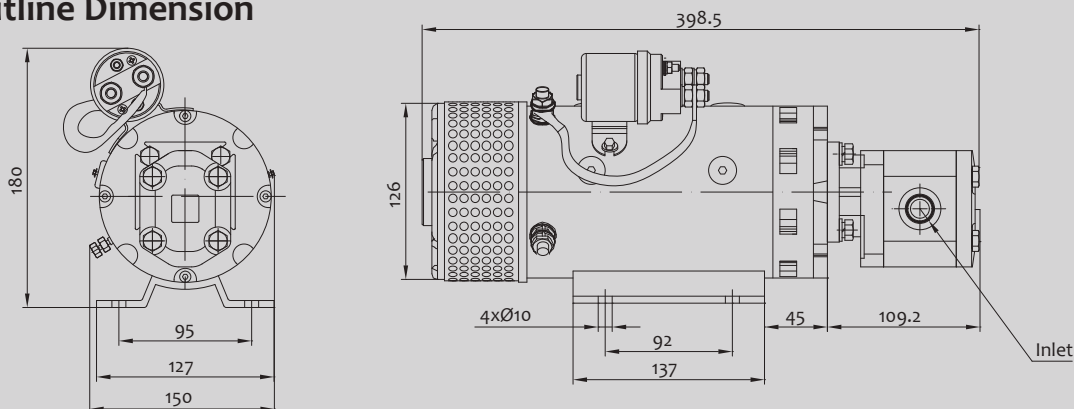
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 30 seconds on-load and 270 seconds off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Displacement	System Pressure	Rated Speed
DMP-1SF3.2-2BXU-A	24VDC	3KW	3.2mL/r	20MPa	2500rpm
DMP-1SF4-2BXU-A			4mL/r	18MPa	
DMP-1SD6-2BXU-A			6mL/r	10MPa	
DMP-1SC9-2BXU-A			9mL/r	6.5MPa	

Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

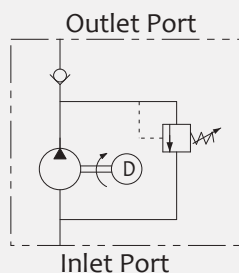
DC MOTOR PUMP GROUP 2

Order Code

DMP- R ☐ ☐ ☐ - ☐ ☐ W U A

DMP	DC motor pump group	
R	CBR	Pump Type
F	20MPa	Operating Pressure
E	16MPa	
D	10MPa	
2.6	6ml/r	Pump Displacement
2.1	4ml/r	
1.8	3.2ml/r	
Omit or S	SAE Ports	Port Configurations
G	Gas Threaded Ports	
B	Metric Threaded Ports	
Design NO.		A-Z
Nominal Speed		U 2500RPM
Motor Type		W 4.5"
Motor Power		B 3KW M 2.2KW W 1.5KW
Motor Voltage		2 24V 1 12V

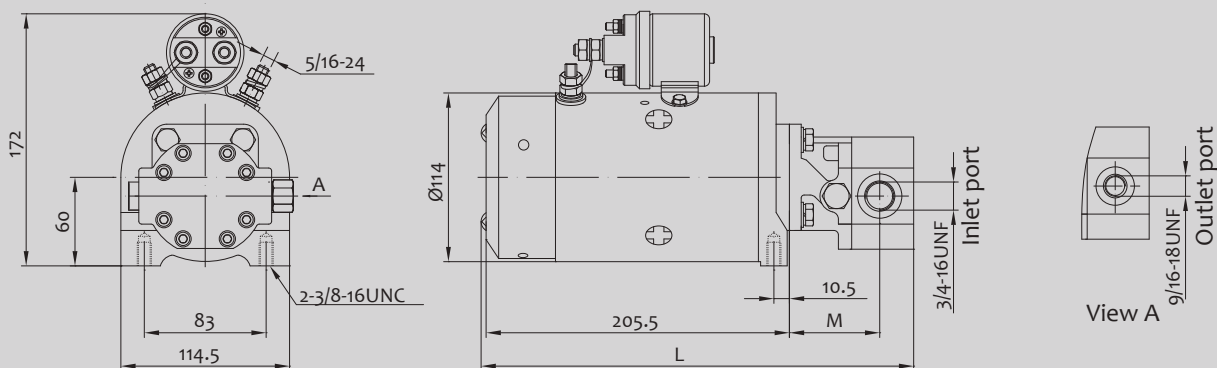
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement	System Pressure	Dimension(mm)	
						M	L
DMP-RE1.8-1WWU-A	12VDC	1.5KW	2500RPM	1.8ml/r	16MPa	63.5	300.3
DMP-RE2.1-2MWU-A	24VDC	2.2KW		2.1ml/r			
DMP-RD2.6-2MWU-A				2.6ml/r	10MPa	71.8	301.3
DMP-RE2.1-9MWU-A	48VDC			2.1ml/r	16MPa	63.5	300.3

Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

DC MOTOR PUMP GROUP 3

Order Code

DMP-CN ☐ ☐ / ☐ ☐ - ☐ ☐ T T A

DMP	DC motor pump group
CN	CBCN Pump Type
F	20MPa
E	16MPa
D	10MPa
	Operating Pressure
4	4.47ml/r
6	6.37ml/r
	Front Pump Displacement
4	4.47ml/r
6	6.37ml/r
	Rear Pump Displacement
Omit or S	SAE Ports
G	Gas Threaded Ports
B	Metric Threaded Ports
	Port Configurations

Design NO. A-Z

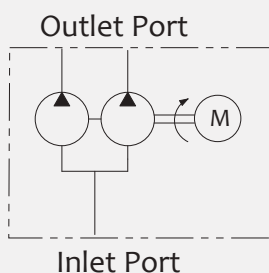
Nominal Speed U 2500-3000RPM

Motor Type T >5"

Motor Power P 4.5KW
I 3.3KW

Motor Voltage 9 48V
2 24V
1 12V

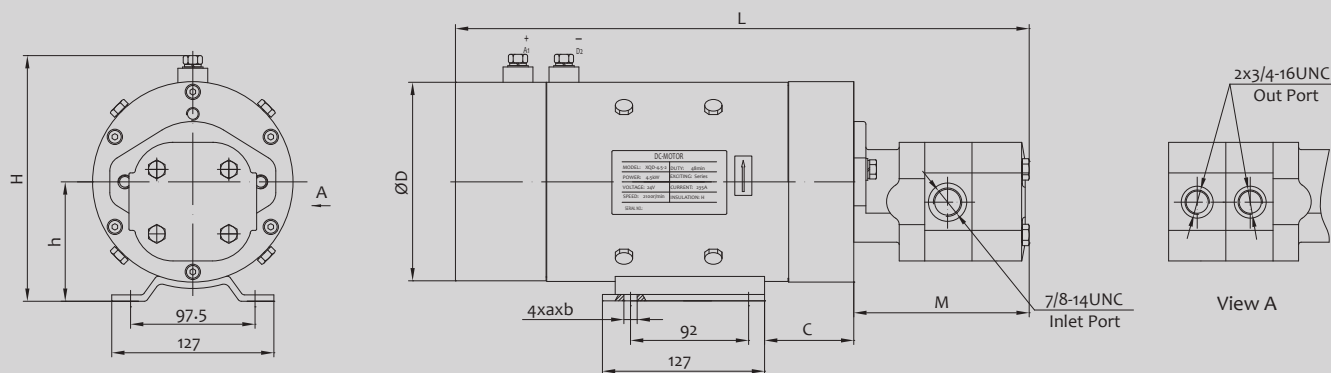
Hydraulic Circuit Diagram



Special Notes

- This type of power unit works at S3 duty cycle, i.e., intermittent duty, 1 minute on-load and 9 minutes off-load.
- Clean all the hydraulic parts concerned before mounting the power unit.
- Viscosity of the hydraulic oil should be 15~68 cst, which should also be clean and free of impurities. N46 hydraulic oil is recommended.
- Check the oil level in the tank after the initial operation of the power unit.
- Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.

Outline Dimension



Model Specifications

Model	Motor Voltage	Motor Power	Rated Speed	Displacement (ml/r)		Operating Pressure	Dimension(mm)						
				Front	Rear		a×b	h	H	C	M	D	L
DMP-CNF6/4-2PTT-A	24VDC	4.5KW	2850RPM	6.47	4.47	20MPa	12×18.5	89	193	70	137.5	159	450.5
DMP-CNE6/4-9PTT-A	48VDC					16MPa							
DMP-CND4/4-2ITT-A	24VDC	3.3KW	2100RPM	4.47	4.47	10MPa	10.5×16.5	82	160	64	134.3	141.8	417.9

Remark: Please go to page 1 or consult our sales engineer for the different pump displacement, motor power or system pressure.

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