RYAN HYDRAULICS
Solution to Hydraulic System

Technical Information

Hydraulic Power Packs

AWP / S / DL / SS / TC / VL / SS / VT / TP



www.ryanhydraulic.com

RYAN HYDRAULICS

Keep the concept seeking excellence, RYAN try our best to create more value for you with products and service.

RYAN Hydraulics

About RYAN

RYAN's manufacture was established in 1986, focusing on providing customers with quality hydraulic components and solutions to hydraulic system in the applications of engineering machinery, mobile industries, agricultural machinery, aviation, mining, and other fields. Main products include gear pump, gear motor, flow divider, orbital motor, load sensing proportional valve, monoblock valve, sectional valve, manifold assembly and hydraulic power unit as well.

Long-term development strategy

Reducing emissions by new energy is one of RYAN's long-term strategies. RYAN will be providing innovative technologies, products, and services for the global development of new energy, moving towards a century development strategy, and writing a century-new chapter in the hydraulic field.

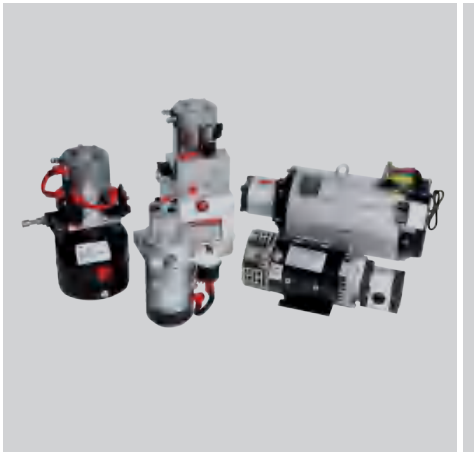


Innovation leads the future

Through a few decades of development, RYAN has built an intelligent manufacturing factory, gathering international R&D talents, accumulating rich R&D and manufacturing experience, possessing independent intellectual property rights, continuously providing customers with new products and technologies, and creating value for all of the customers.





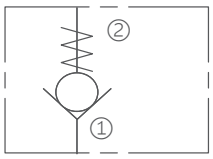
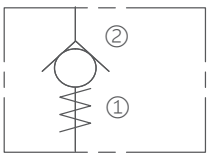
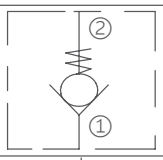
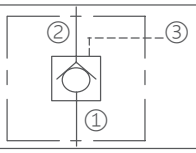
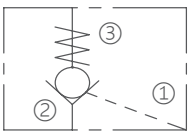



Hydraulic Power Packs

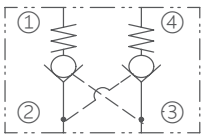
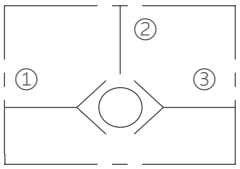
Flow Valves
Counterbalance Valves
Solenoid Valves
Hand Pumps
AC Motors
Stacker Power Packs
Electric Stacker Power Pack
Van Truck Power Pack
Hydraulic Schematics

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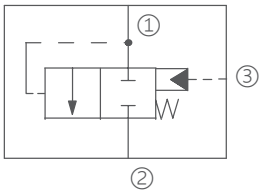
Check Valves

Function Selection	Model	Max. Working Pressure	Max. Flow
	DACV04-20	240bar	6L/min
	DACV04-B20		
	DACV08-20		30L/min
	DACV08-B20		
	DACV10-20		76L/min
	DACV10-20B		38L/min
	DACV12-20		95L/min
	DACV16-20		150L/min
	DACV2500-G18	350bar	10L/min
	DACV2000-G14		23L/min
	DACV2000-G38		50L/min
	DACV2000-G12		80L/min
	DACV42-M20	240bar	380L/min
	DACV08-21	240bar	30L/min
	DACV10-24		56L/min
	DACV12-21		115L/min
	DACVR2000-G14	350bar	20L/min
	DACV3000-G14	350bar	116L/min
	DACKBB-XCN	350bar	30L/min
	DACKCB-XCN		60L/min
	DACKCD-LCN		60L/min
	DAPC08-30	240bar	30L/min
	DAPC10-32	240bar	30L/min

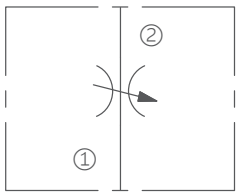
Check Valves

Function Selection	Model	Max. Working Pressure	Max. Flow
	DADC08-40	240bar	19L/min
	DADC10-40		30L/min
	DALS04-B30	240bar	6L/min
	DALS08-30		19L/min
	DALS10-30		30L/min

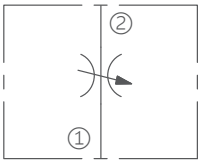
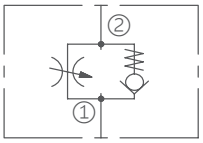
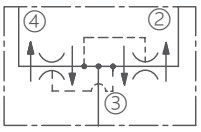
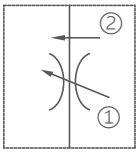
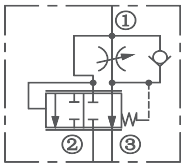
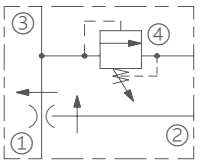
Logic Elements

Function Selection	Model	Max. Working Pressure	Max. Flow
	DAEP08-35	345bar	38L/min
	DAEP10-S35	350bar	76L/min
	DAEP12-S35	350bar	150L/min

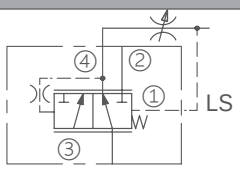
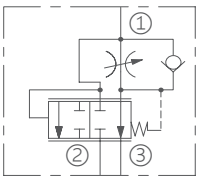
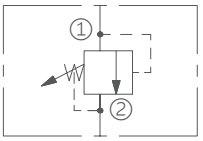
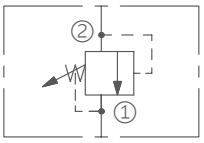
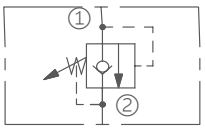
Flow Valves

Function Selection	Model	Max. Working Pressure	Max. Flow
	DANV-08	250bar	9L/min
	DANV08-20	240bar	45L/min
	DANV10-20		57L/min
	DANV12-20		130L/min
	DANV08-21		57L/min

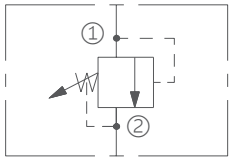
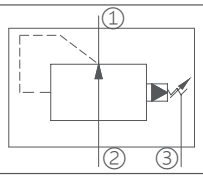
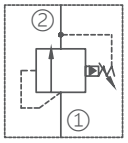
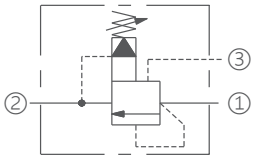
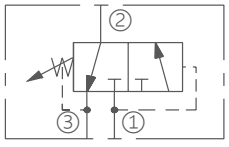
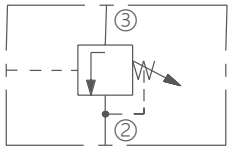
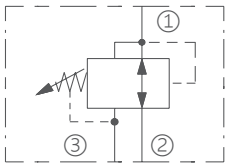
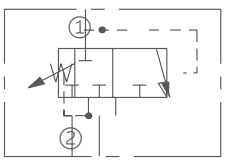
Flow Valves

Function Selection	Model	Max. Working Pressure	Max. Flow
	DANV10-22	240bar	60L/min
	DAMR10-20		53L/min
	DAFC08-20	240bar	23L/min
	DAFC10-20		45.4L/min
	DAFC12-20		130L/min
	DAFC10-21	240bar	57L/min
	DAFD50-45	345bar	45.4L/min
	DAFD52-45		91L/min
	DAFR08-20F	240bar	57L/min
	DAFRA10	240bar	57L/min
	DAFR10-39	240bar	57L/min
	DAFR10-30F	207bar	37.8L/min
	DAFRRV10-41F	207bar	19L/min

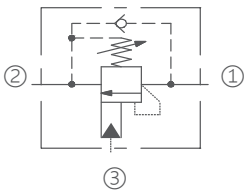
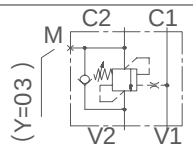
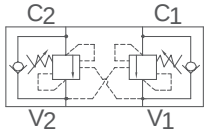
Pressure Valves

Function Selection	Model	Max. Working Pressure	Max. Flow
	DAEC10-42	240bar	37.9L/min
	DAFR12-33	240bar	35L/min
	DARV08	250bar	10 L/min
	DAYF08-09H	350bar	30L/min
	DANRV-08		30L/min
	DARV08-20	248bar	23L/min
	DARV10-20	228bar	38L/min
	DARV10-B26	350bar	115L/min
	DARV10-D20	350bar	80L/min
	DADRV08	250bar	30L/min
	DARV08-22	240bar	30L/min
	DARV10-22		114L/min
	DARV10-23	240bar	114L/min

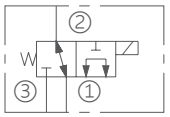
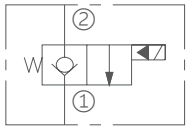
Pressure Valves

Function Selection	Model	Max. Working Pressure	Max. Flow
	DARV10-26	240bar	114L/min
	DARV12-26	241bar	139L/min
	DARV16-26	240bar	303L/min
	DAPBBB	350bar	217L/min
	DARPEE	350bar	95L/min
	DARPGE		200L/min
	DARVEA-LCN	350bar	120L/min
	DAPS10-30	207bar	37.9L/min
	DAPS50-36	345bar	82L/min
	DAPS08-32	240bar	19L/min
	DAPS10-32	207bar	38L/min
	DAPR08-32	240bar	11L/min
	DAPR10-32	207bar	30L/min
	DAPR10-36	210bar	56L/min
	DAPS10-36	240bar	55L/min

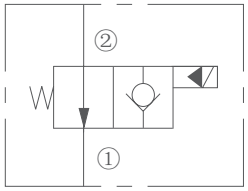
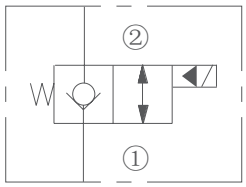
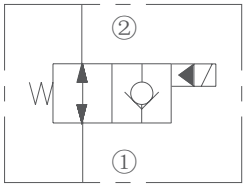
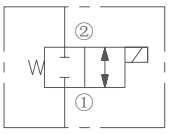
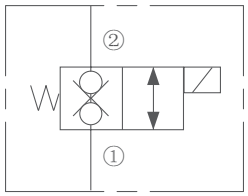
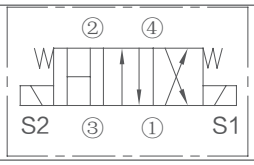
Counterbalance Valves

Function Selection	Model	Max. Working Pressure	Max. Flow
	DACBCA-LHN	280bar	60L/min
	DACBBA-LHN	280bar	60L/min
	DACCCA-LJN	350bar	60L/min
	DACBBG-LJH	350bar	60L/min
	DACBCG-LJN	350bar	60L/min
	DACBCH-LJN	350bar	60L/min
	DACBEA-LHN	280bar	120L/min
	DACBEG-LJN	350bar	120L/min
	DACBGG-LJN	350bar	240L/min
	DACBGA-LHN	280bar	240L/min
	DACBIG-LJN	350bar	32.8L/min
	DACBIH-LJN	350bar	32.8L/min
	DA08.39.59.XYZ	350bar	60L/min
	DA08.44.07.XYZ	350bar	60L/min
	DA08.44.11XYZ	350bar	60L/min

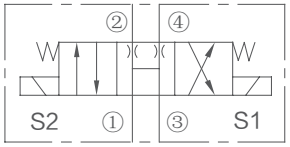
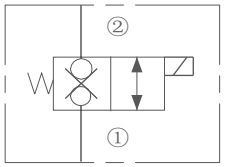
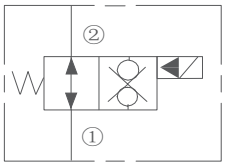
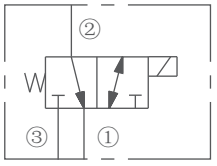
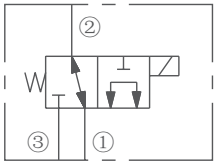
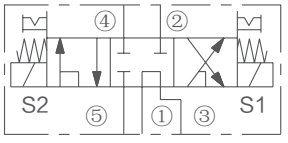
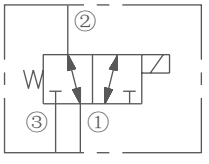
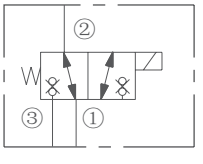
Solenoid Valves

Function Selection	Model	Max. Working Pressure	Max. Flow
	DASV07-31	207bar	41L/min
	DASV08-20	207bar	30.2L/min
	DASV08-B20		19L/min
	DASV10-20		56.8L/min
	DASV12-20	240bar	113.6L/min
	DASV08-20J	207bar	27L/min
	DASV16- 20		151L/min
	DASV38-20J		23L/min

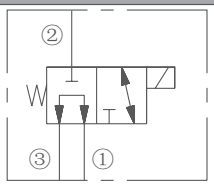
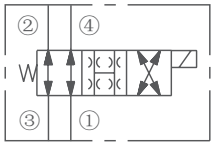
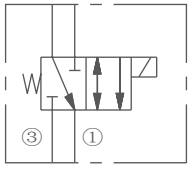
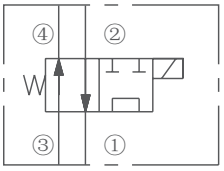
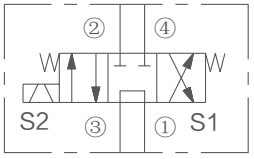
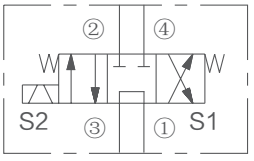
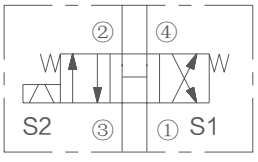
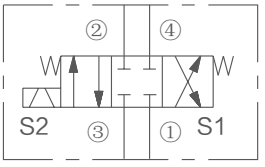
Solenoid Valves

Function Selection	Model	Max. Working Pressure	Max. Flow
	DASV08-21	207bar	37.9L/min
	DASV10-21		68.1L/min
	DASV12-21	240bar	113.6L/min
	DASV16-21	207bar	151L/min
	DASV08-22	207bar	30L/min
	DASV10-22		57L/min
	DASV12-22		113.6L/min
	DASV16-22		151L/min
	DASV08-23	207bar	30L/min
	DASV10-23		68L/min
	DASV16-23		151L/min
	DASV10-24	207bar	60.6L/min
	DASV08-26	207bar	2L/min
	DASV38-26	207bar	3.4L/min
	DASV08-28	207bar	114L/min
	DASV08-C28	250bar	15L/min
	DASV08-D28	207bar	30L/min
	DASV10-28	240bar	76L/min
	DASV10-47Z	240bar	300L/min

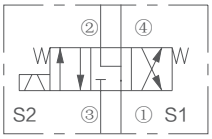
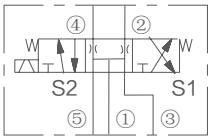
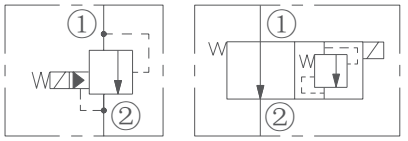
Solenoid Valves

Function Selection	Model	Max. Working Pressure	Max. Flow
	DASV10-4754B	240bar	300L/min
	DASV12-28	240bar	114L/min
	DASV08-29	207bar	11L/min
	DASV10-29	240bar	76L/min
	DASV08-30	207bar	11.4L/min
	DASV08-31	207bar	11.4L/min
	DASV08-58C	207bar	197L/min
	DASV10-34	207bar	22.7L/min
	DASV10-38	250bar	251L/min
	DASV38-38	207bar	11L/min

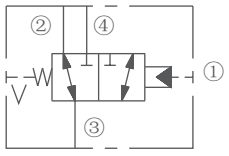
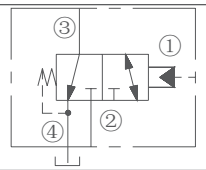
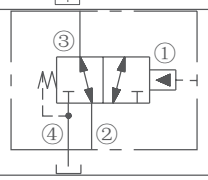
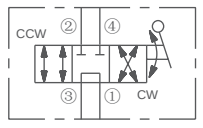
Solenoid Valves

Function Selection	Model	Max. Working Pressure	Max. Flow
	DASV08-33	207bar	82L/min
	DASV08-40	207bar	11.4L/min
	DASV10-40		22.7L/min
	DASV08-43	207bar	82L/min
	DASV10-43		
	DASV10-44	207bar	23L/min
	DASV08-47A	210bar	11L/min
	DASV10-47A	240bar	19L/min
	DASV08-47B	207bar	11L/min
	DASV10-47B	240bar	23L/min
	DASV08-47C	207bar	11L/min
	DASV10-47C	240bar	23L/min

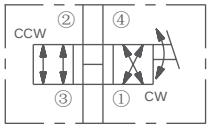
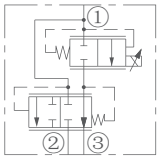
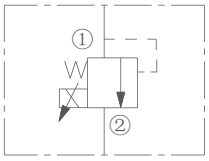
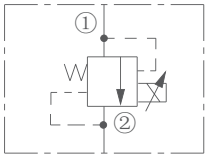
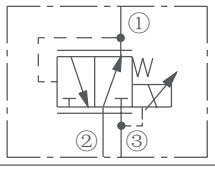
Solenoid Valves

Function Selection	Model	Max. Working Pressure	Max. Flow
	DASV08-47D	207bar	11L/min
	DASV10-47D	240bar	23L/min
	DASV10-5915	247bar	15L/min
	DASVRV10-26	275.8bar	56.8L/min

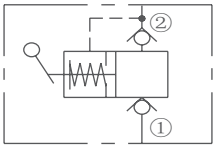
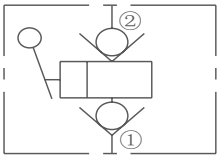
Solenoid Valves

Function Selection	Model	Max. Working Pressure	Max. Flow
	DAPD10-40	240bar	38L/min
	DAPD10-41	240bar	45L/min
	DAPD10-42	240bar	82L/min
	DAMR10-47A	240bar	11L/min

Proportional Valves

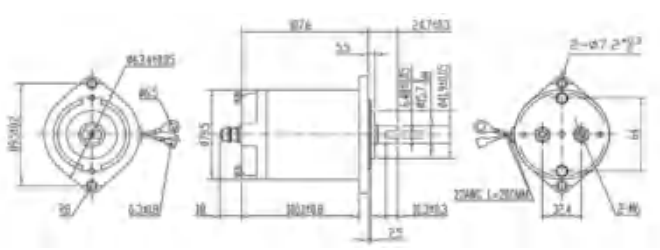
Function Selection	Model	Max. Working Pressure	Max. Flow
	DAMR10-47B	240bar	11L/min
	DAPV70-30	240bar	100L/min
	DAPV72-30		76L/min
	DATS10-26	241bar	100L/min
	DATS10-27	241bar	75.7L/min
	DATS10-36	241bar	60L/min

Hand Pumps

Function Selection	Model	Max. Working Pressure	Max. Flow
	DAHP10-20	207bar	1L/min
	DAHP10-21	240bar	163L/min
	DAHP16-21	241bar	21.3L/min Stroke

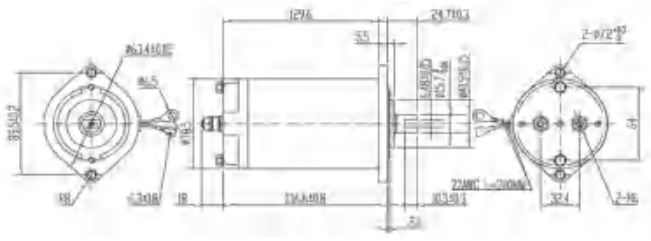
DC Motors

Rated Voltage (V)	Power (W)	Rated Current(A)	Rated Torque(Nm)	Duty S2min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
12	150	30	1.2	2.5min-8%ED	F	IP54	2	CCW	2.2
24	150	12	0.8	2.5min-8%ED	F	IP54	2	CCW	2.2



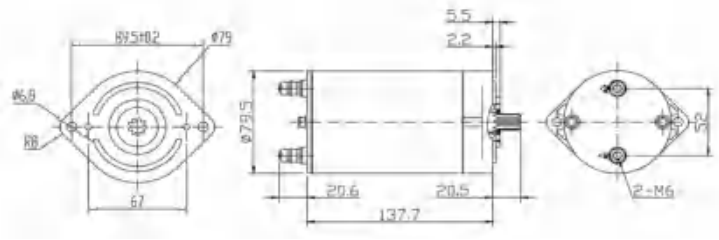


Rated Voltage(V)	Power (W)	Rated Current(A)	Rated Torque(Nm)	Duty S2min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
12	300	38	1.6	2.5min-8%ED	F	IP54	2	CCW	2.6
24	300	19	1.6	2.5min-8%ED	F	IP54	2	CCW	2.6



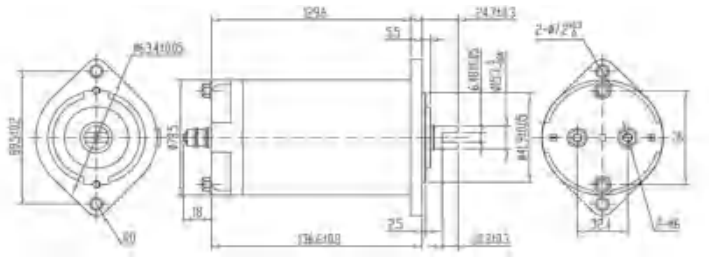


Rated Voltage (V)	Power (W)	Rated Current(A)	Rated Torque(Nm)	Duty S2min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
12	800	130	2.2	2min-7%ED	F	IP54	9	CW	2.6
24	800	65	2.2	2min-7%ED	F	IP54	9	CW	2.6





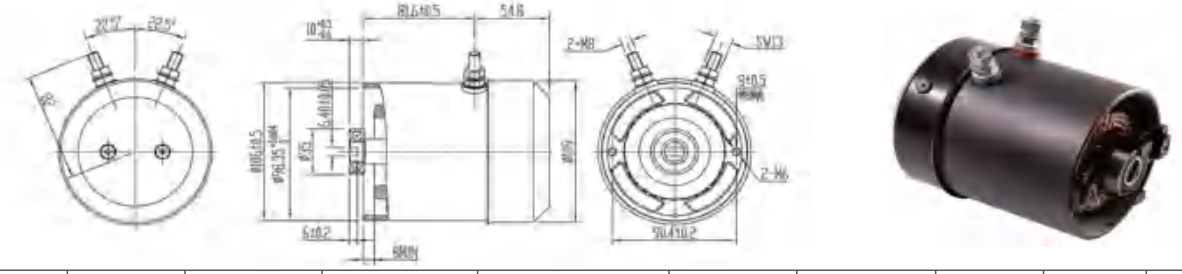
Rated Voltage(V)	Power (W)	Rated Current(A)	Rated Torque(Nm)	Duty S2min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
12	800	60	1.5	2.5min-8%ED	F	IP54	2	CW	2.6
24	800	34	1.5	2.5min-8%ED	F	IP54	2	CW	2.6



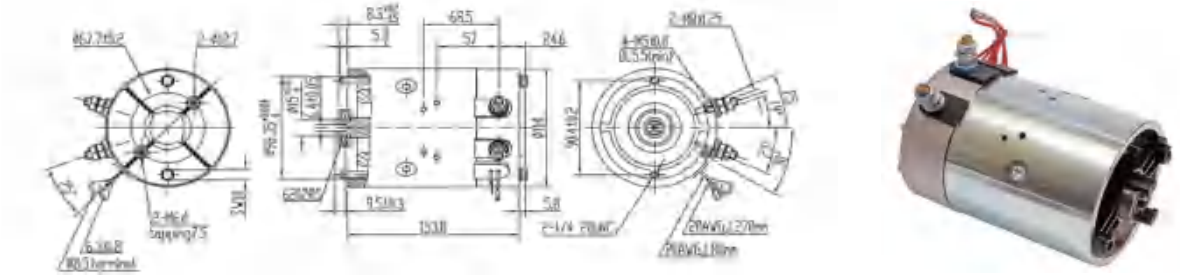


DC Motors

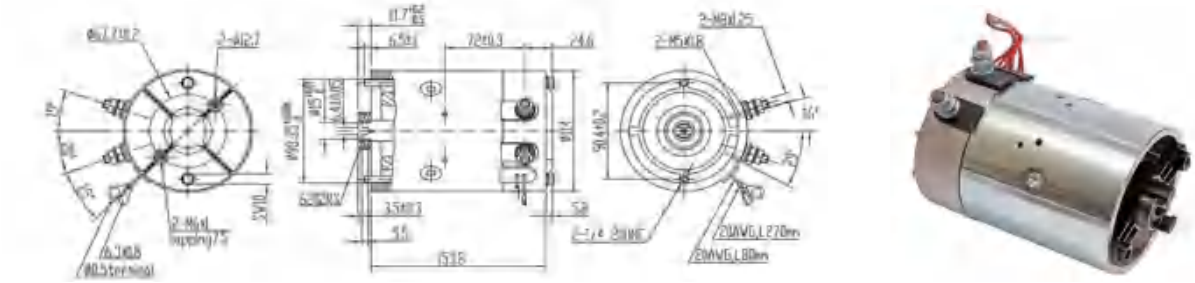
Rated Voltage(V)	Power (W)	Rated Current(A)	Rated Torque(Nm)	Duty S2 min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
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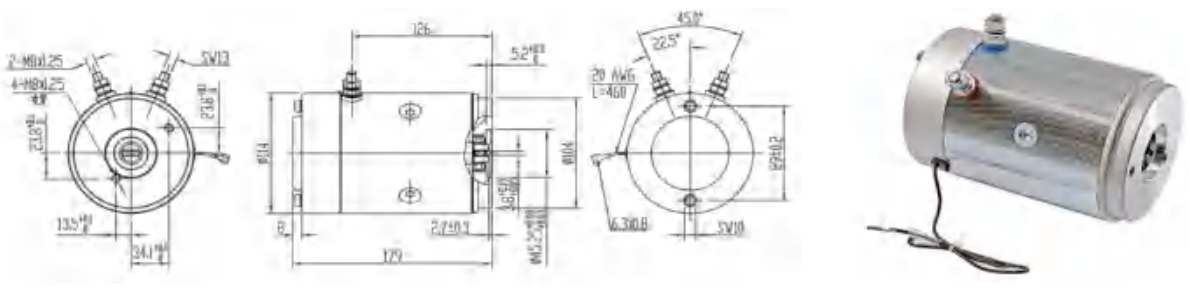
Rated Voltage(V)	Power (W)	Rated Current(A)	Rated Torque(Nm)	Duty S2 min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
12	1600	200	6	2 min-7%ED	F	IP54	2	CW	7



Rated Voltage(V)	Power (W)	Rated Current(A)	Rated Torque(Nm)	Duty S2 min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
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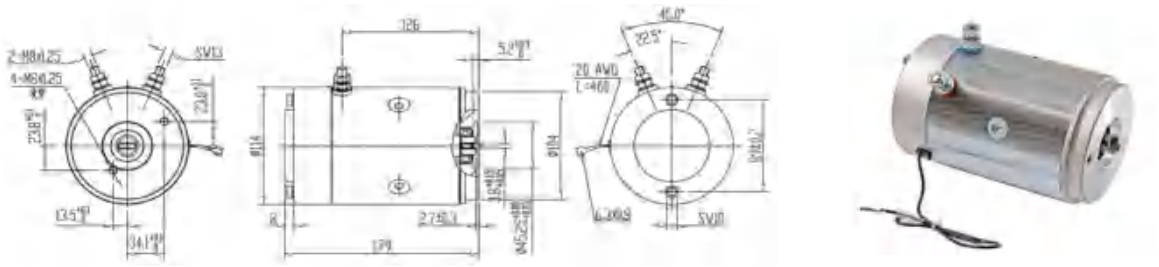


Rated Voltage(V)	Power (W)	Rated Current(A)	Rated Torque(Nm)	Duty S2 min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
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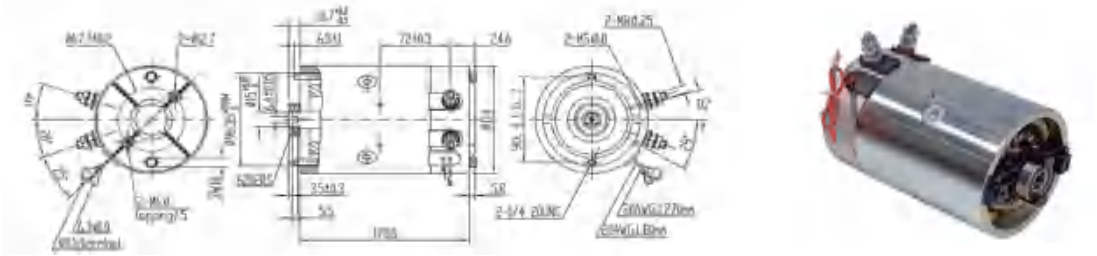


DC Motors

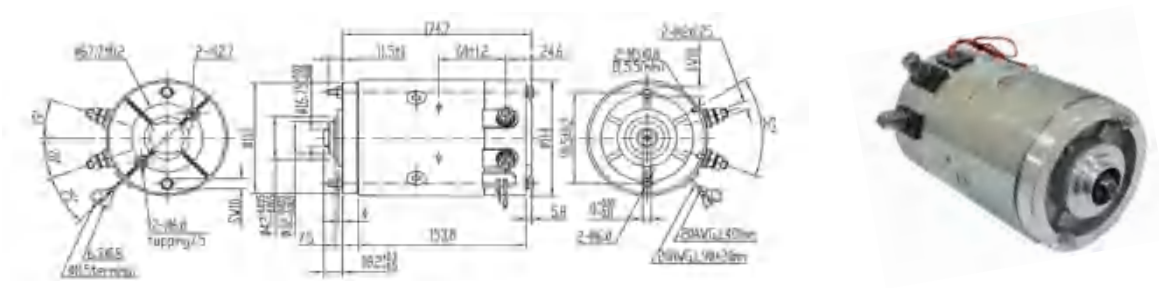
Rated Voltage (V)	Power (W)	Rated Current(A)	Rated Torque(Nm)	Duty S2min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
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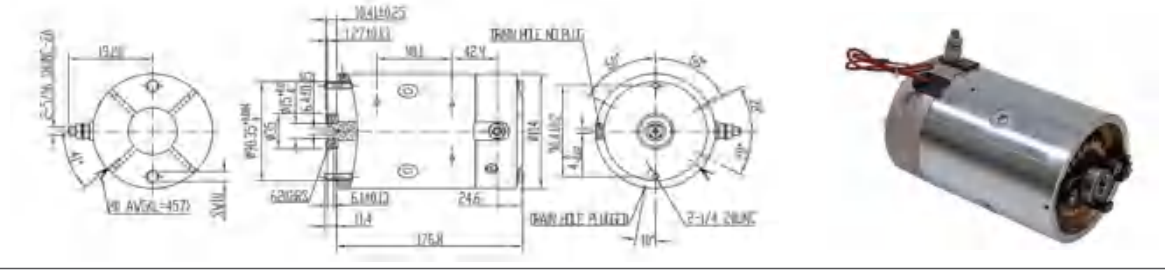
Rated Voltage (V)	Power (W)	Rated Current(A)	Rated Torque(Nm)	Duty S2min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
12	2200	260	9	8min-10%ED	F	IP54	2	CCW	8.2



Rated Voltage (V)	Power (W)	Rated Current(A)	Rated Torque(Nm)	Duty S2min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
12	1600	205	6	2min-7%ED	F	IP54	2	CW	7.1

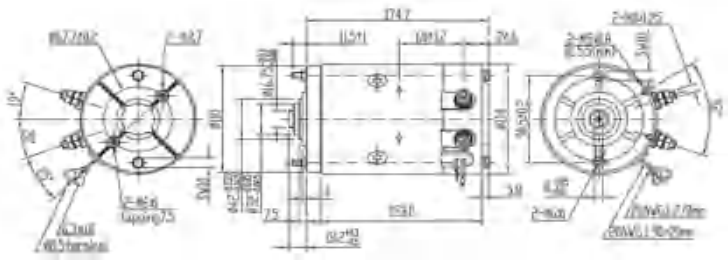


Rated Voltage (V)	Power (W)	Rated Current(A)	Rated Torque(Nm)	Duty S2min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
12	2200	260	9	8min-10%ED	F	IP54	2	CCW	8.2



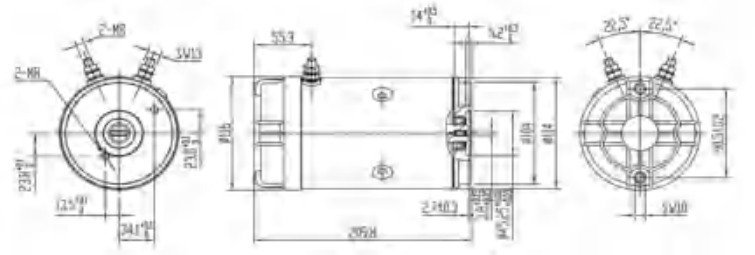
DC Motors

Rated Voltage (V)	Power (W)	Rated Current (A)	Rated Torque (Nm)	Duty S2 min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
24	2500	165	10	2 min-8%ED	F	IP54	1	CW	7.2



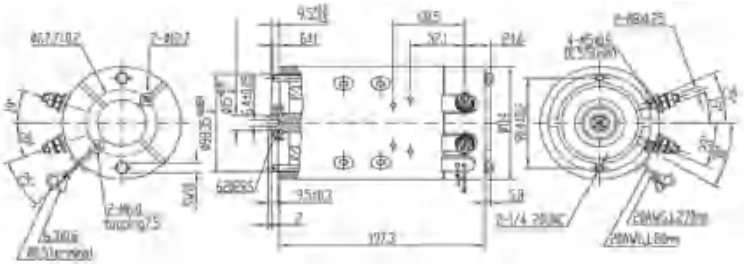


Rated Voltage (V)	Power (W)	Rated Current (A)	Rated Torque (Nm)	Duty S2 min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
24	2500	160	12	2 min-8%ED	F	IP54	2	CW	9



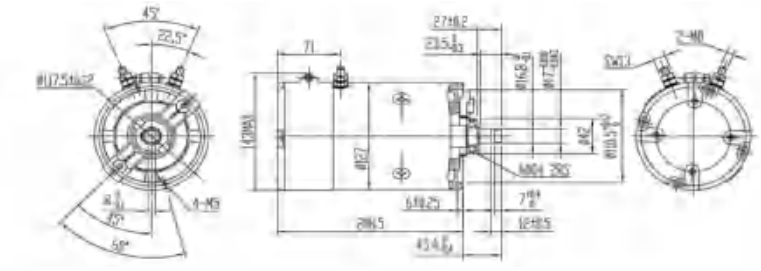


Rated Voltage (V)	Power (W)	Rated Current (A)	Rated Torque (Nm)	Duty S2 min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
24	2800	165	9	5 min-13%ED	F	IP54	2	CW	9.2





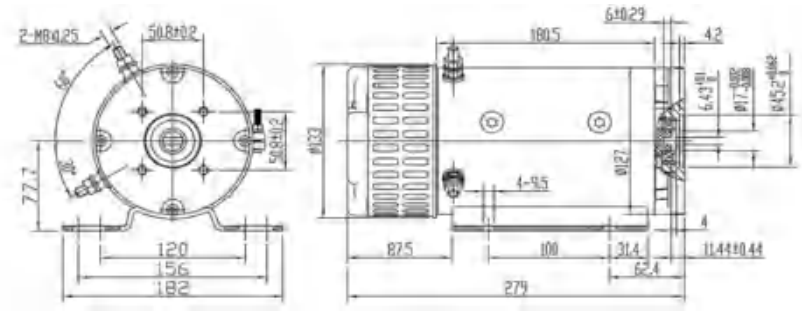
Rated Voltage(V)	Power (W)	Rated Current(A)	Rated Torque(Nm)	Duty S2 min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
24	3000	165	10	6 min-11%ED	F	IP54	1	CW	12





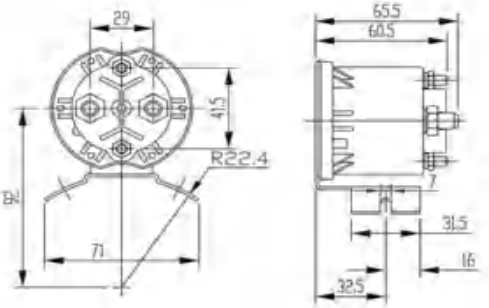
DC Motors

Rated Voltage (V)	Power (W)	Rated Current (A)	Rated Torque(Nm)	Duty S2min-S3%	Insulation Class	Protective Class	Number of Teeth	Rotation	Weight (kg)
24	4000	220	14	13min-28%ED	F	IP12	9	CW	15



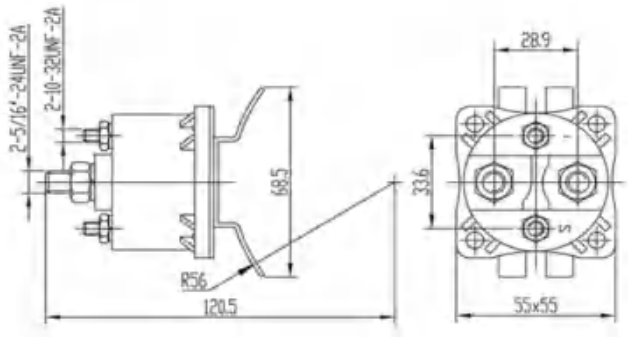


Rated Voltage (V)	Suction voltage (V)	Release Voltage (V)	Coil Resistance (Ω)	Load current (A)	Large Stud (in)	Small stud (in)	Service Life (times)	Ambient Temperature (℃)
12	7.5	3.5	13.5	150/250	5/16-32UNF	10#-24UNF	100000	-20℃-82℃
24	16	7	48	150/250	5/16-32UNF	10#-24UNF	60000	-20℃-82℃
36	24	10.4	105	150/250	5/16-32UNF	10#-24UNF	60000	-20℃-82℃
48	32	13.9	195	150/250	5/16-32UNF	10#-24UNF	60000	-20℃-82℃





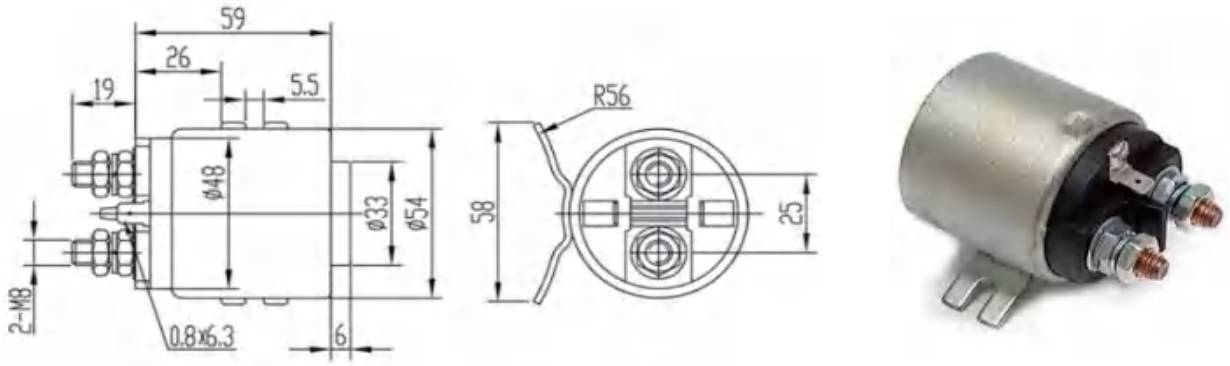
Rated Voltage (V)	Suction voltage (V)	Release Voltage (V)	Coil Resistance (Ω)	Load current (A)	Large Stud (in)	Small stud (in)	Service Life (times)	Ambient Temperature (℃)
12	6	2.3	7.1	150/250	5/16-32UNF	10#-24UNF	100000	-20℃-82℃
24	12	4.6	28.4	150/250	5/16-32UNF	10#-24UNF	60000	-20℃-82℃
36	25	8	130	150/250	5/16-32UNF	10#-24UNF	60000	-20℃-82℃



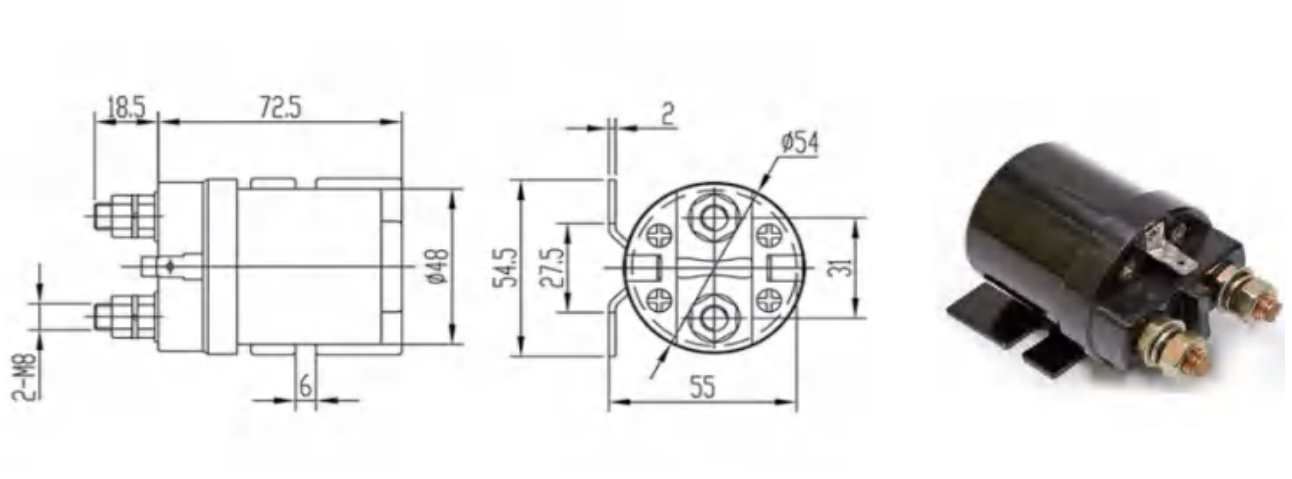


Start switch

Rated Voltage (V)	Suction voltage (V)	Release Voltage (V)	Coil Resistance (Ω)	Load current (A)	Large Stud (in)	Small stud (in)	Service Life (times)	Ambient Temperature (℃)
12	7.5	3.5	6.4	150/250	M8	0.8×6.3	100000	-20℃-82℃
24	16	7	22.7	150/250	M8	0.8×6.3	60000	-20℃-82℃
36	24	10.4	95.4	150/250	M8	0.8×6.3	60000	-20℃-82℃

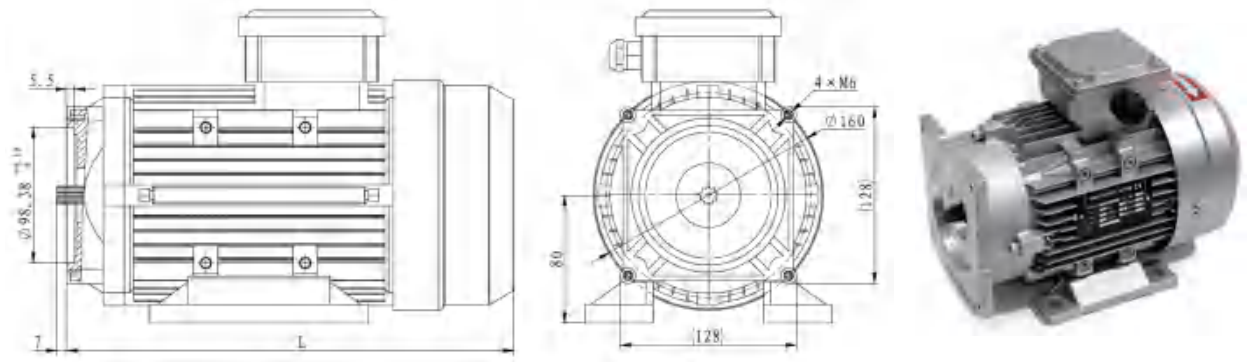


Rated Voltage (V)	Suction voltage (V)	Release Voltage (V)	Coil Resistance (Ω)	Load current (A)	Large Stud (in)	Small stud (in)	Service Life (times)	Ambient Temperature (℃)
12	6	2.3	6.5	150/250	M8	0.8×6.3	100000	-20℃-82℃
24	12	4.6	22.4	150/250	M8	0.8×6.3	60000	-20℃-82℃
36	25	8	93.4	150/250	M8	0.8×6.3	60000	-20℃-82℃

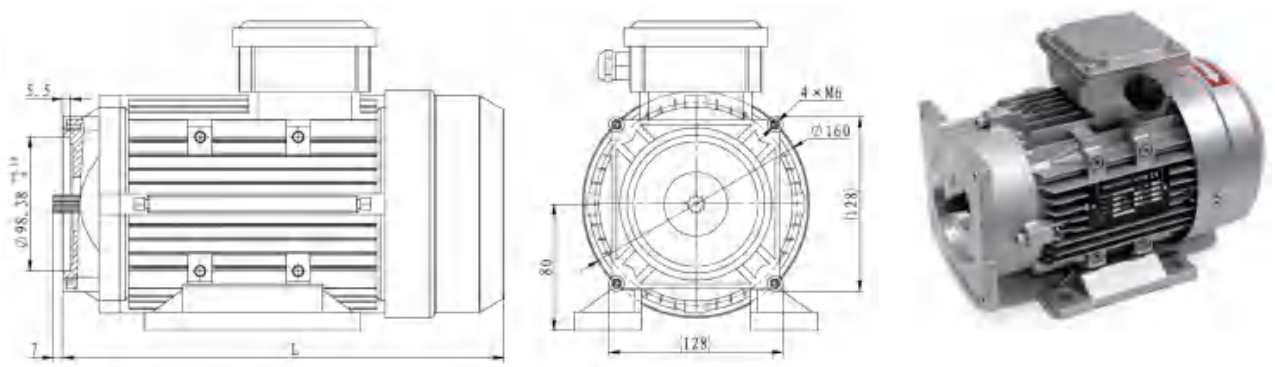


AC Motors

Rated Voltage		Poles	Seat number	Voltage（V）		Frequancy	Speed	Current		Length
kW	HP			Single phase	Three phase	（HZ）	(rpm)	(A)		L(mm)
0.75	1	2	80M	220	380	50	2825	3	1.7	240
0.75	1	2	80M	220	380	60	3450	3.3	1.5	
0.75	1	4	80M	220	380	50	1430	3.4	2.4	
0.75	1	4	80M	220	380	60	1725	3.8	1.8	

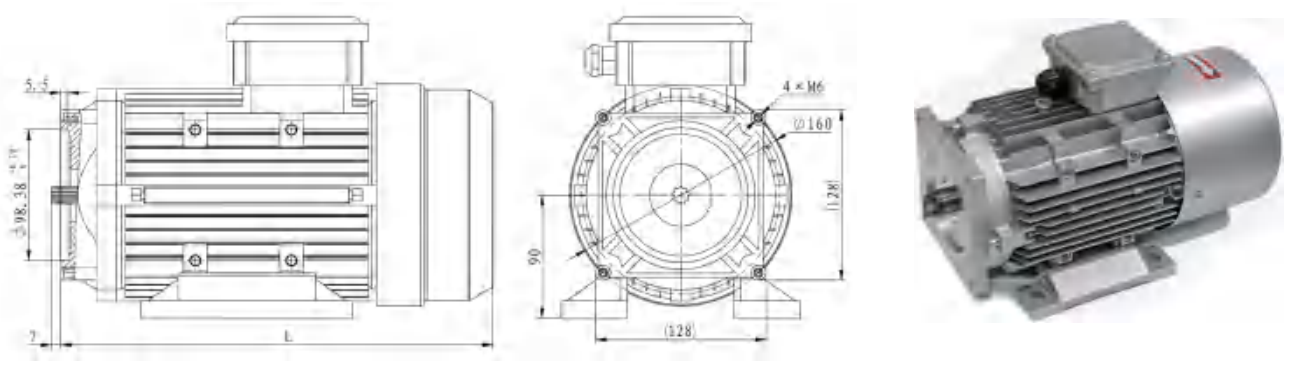


Rated Voltage		Poles	Seat number	Voltage（V）		Frequancy	Speed	Current		Length
kW	HP			Single phase	Three phase	（HZ）	(rpm)	(A)		L(mm)
1.1	1.5	2	80M	220	380	50	2825	4.3	2.5	240
1.1	1.5	2	80M	220	380	60	3450	4.4	2.1	
1.1	1.5	4	80M	220	380	50	1430	4.8	2.8	
1.1	1.5	4	80M	220	380	60	1725	5.1	2.3	

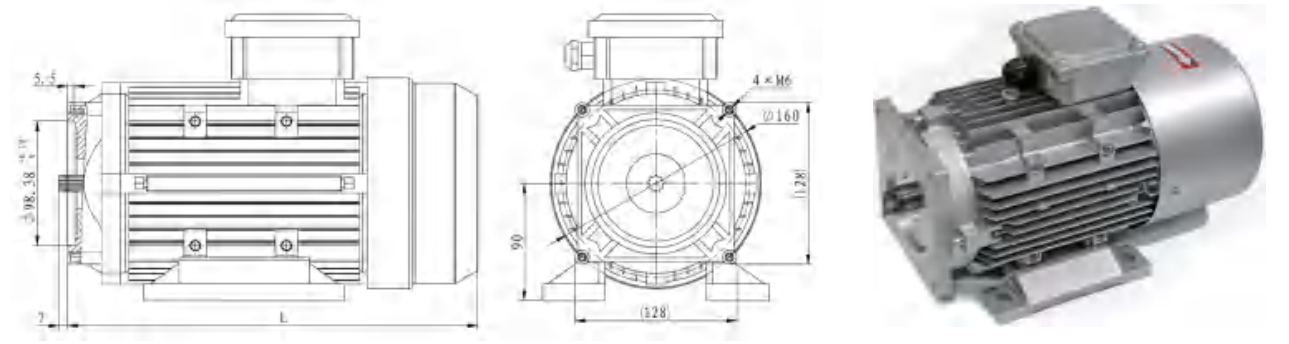


AC Motors

Rated Voltage		Poles	Seat number	Voltage（V）		Frequancy	Speed	Current		Length
kW	HP			Single phase	Three phase	（HZ）	(rpm)	(A)		L(mm)
1.5	2	2	90S	220	380	50	2825	5.6	3.2	270
1.5	2	2	90S	220	380	60	3450	5.7	3.5	
1.5	2	4	90S	220	380	50	1430	6.2	3.6	
1.5	2	4	90S	220	380	60	1725	6.4	3.8	

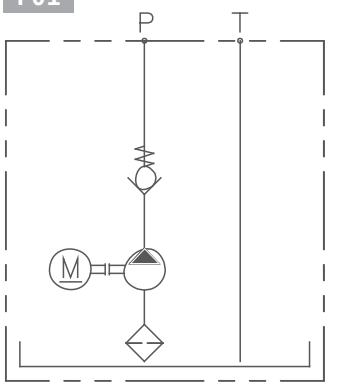


Rated Voltage		Poles	Seat number	Voltage（V）		Frequancy	Speed	Current		Length
kW	HP			Single phase	Three phase	（HZ）	(rpm)	(A)		L(mm)
2.2	3	2	90L	220	380	50	2825	7.8	4.5	300
2.2	3	2	90L	220	380	60	3450	8.2	4.8	
2.2	3	4	90L	220	380	50	1430	8.7	5.1	
2.2	3	4	90L	220	380	60	1725	8.1	4.6	



Aerial Working Platform Power Pack 1

F01



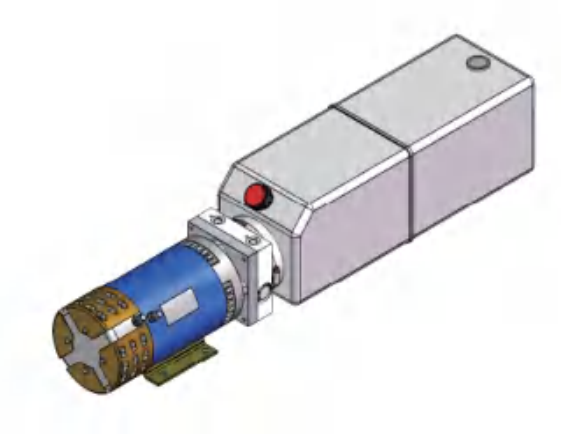
Introduction

1. High-pressure gear oil pump / DC motor / Extended tank

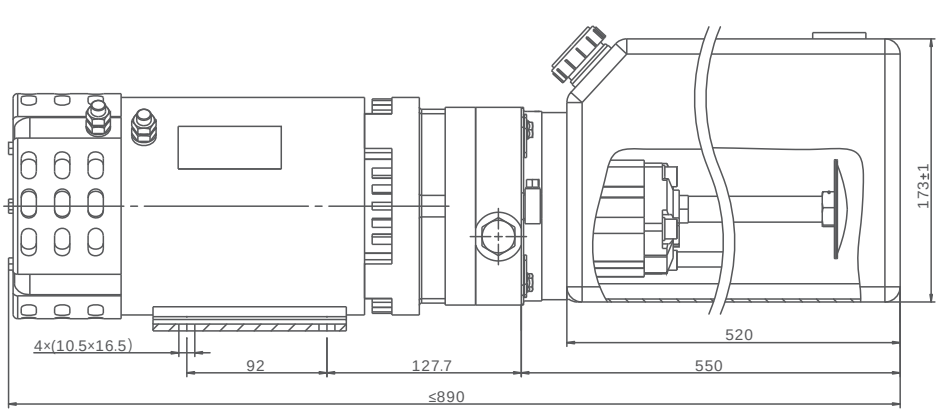
2. Anti-reverse check valve

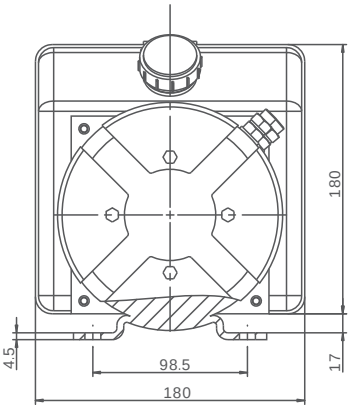
Technical Data

Model	DC-F01-4.8/F-4.5/48-15PV-C
Voltage	DC48V
Power	4.5kW
Speed	2500rpm
Disp.	4.8cc/r
Pressure	21MPa
Volume	15L
Size	P, T: G1/4



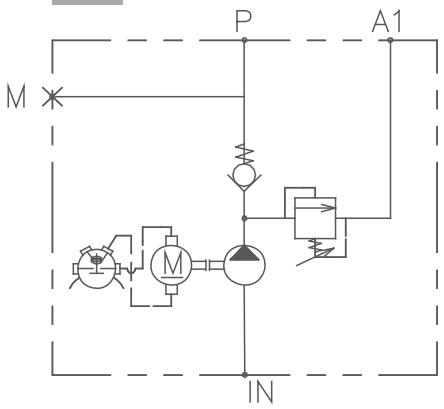
Drawing





Aerial Working Platform Power Pack 2

F02



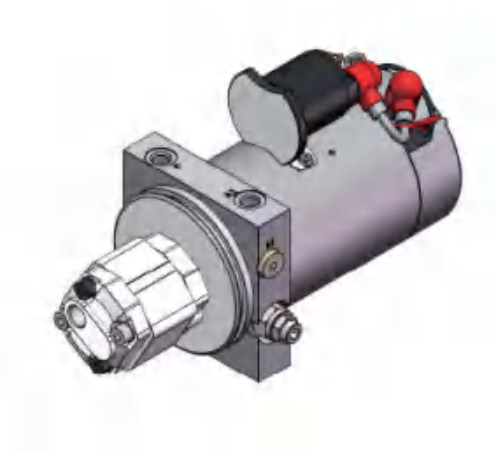
Introduction

1. High pressure gear oil pump / DC motor / No tank

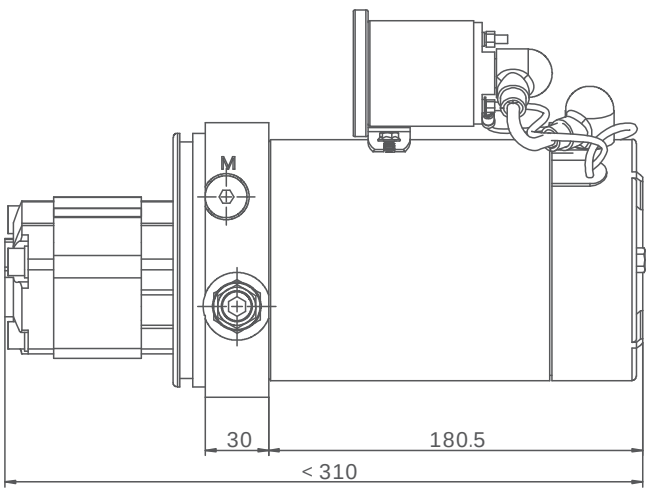
2. Pressure limiting relief valve

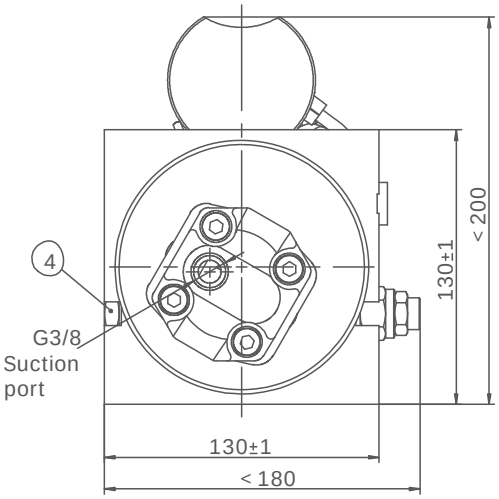
Technical Data

Model	DC-F02-2.1/F-2.2/12-C
Voltage	DC12V
Power	2.2kW
Speed	2600rpm
Disp.	2.1cc/r
Pressure	21MPa
Volume	Not Applicable
Size	P, A1, M: G1/4; P: G3/8



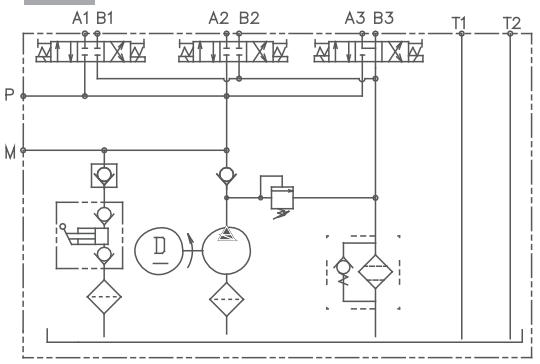
Drawing





Aerial Working Platform Power Pack 3

F42



Introduction

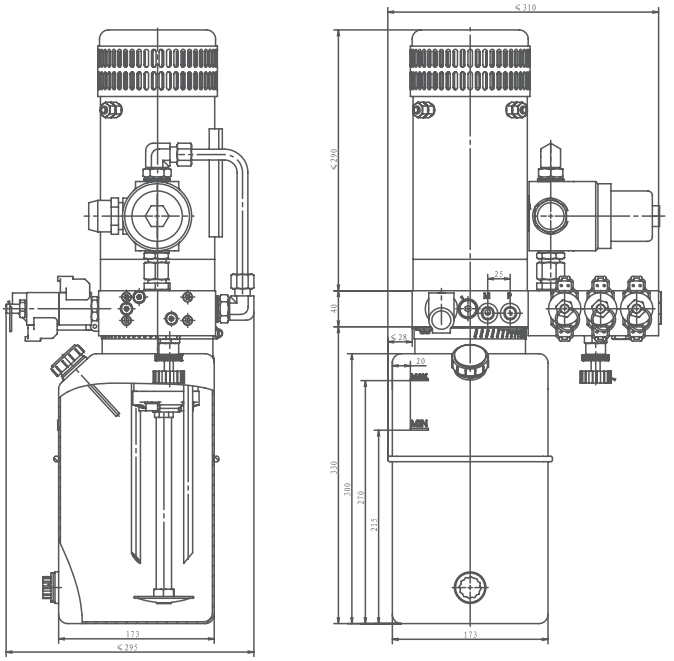
1. High pressure gear oil pump / DC motor / Double acting
2. Emergency manual pump
3. External oil return filter

Technical Data

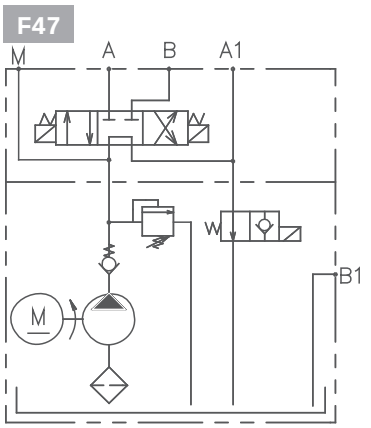
Model	DC-F42-3.7/E-4/24/24-8PV-C
Voltage	DC24V
Power	4kW
Speed	2700rpm
Disp.	3.7cc/r
Pressure	21MPa
Volume	8L
Size	P, T, A, B, M: G1/4



Drawing



Aerial Working Platform Power Pack 4

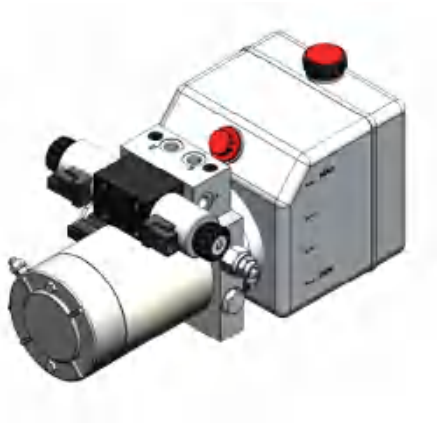


Introduction

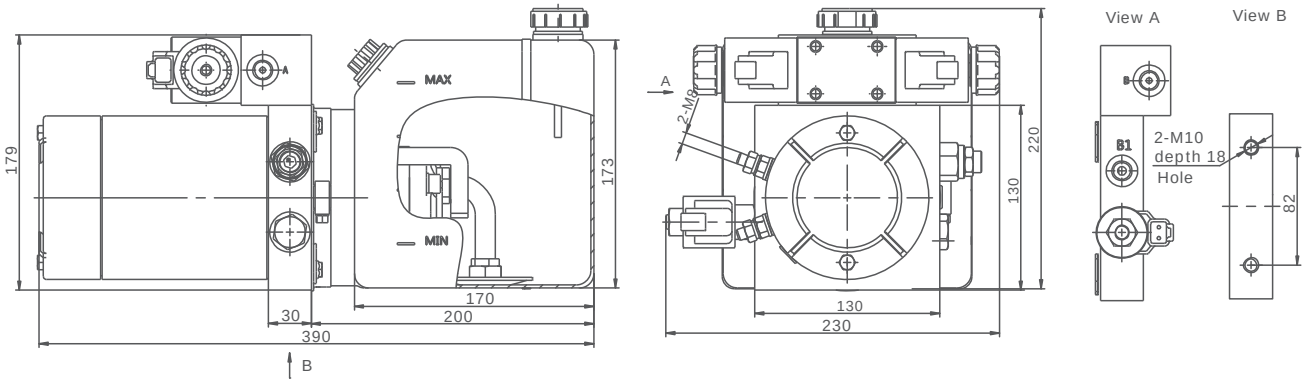
1. High pressure gear oil pump / DC motor / Double acting
2. Plastic oil tank

Technical Data

Model	DC-F47-1.1/E-1.6/24/20-4PH-C-G
Voltage	DC24V
Power	1.6kW
Speed	2900rpm
Disp.	1.1cc/r
Pressure	14MPa
Volume	4L
Size	A, B, A1, B1, M: G1/4

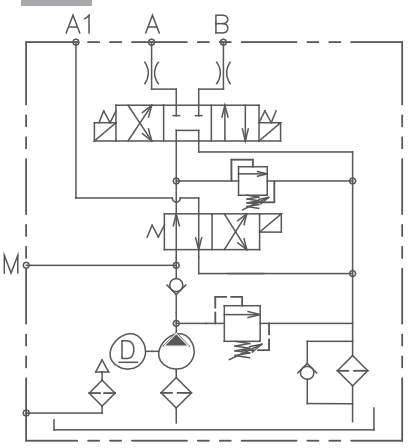


Drawing



Aerial Working Platform Power Pack 5

F55

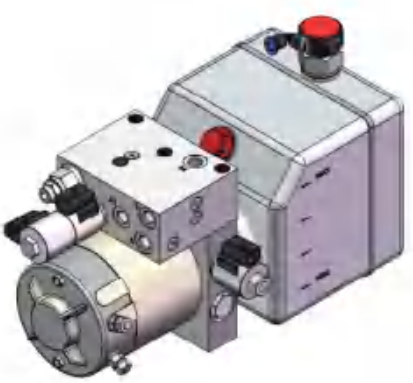


Introduction

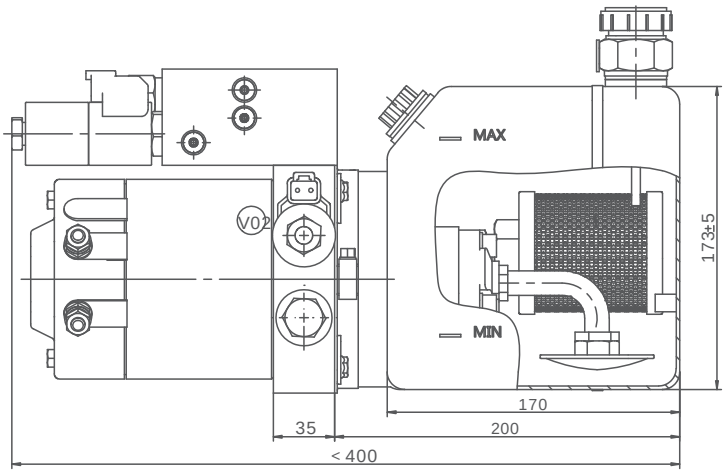
1. High-pressure gear oil pump / DC motor / Double acting
2. Internal filter element

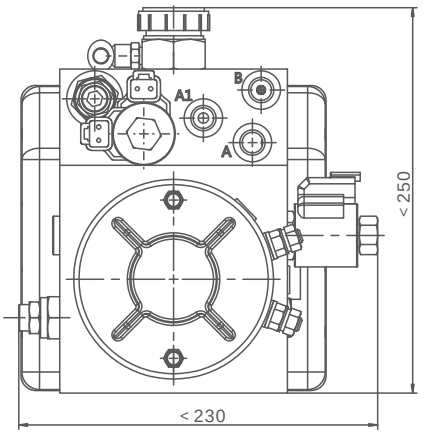
Technical Data

Model	DC-F55-1.6/E-1.2/24/20-4PH-C
Voltage	DC24V
Power	1.2kW
Speed	3800~4400rpm
Disp.	1.6cc/r
Pressure	15.5MPa
Volume	4L
Size	A, B, A1, M: G1/4

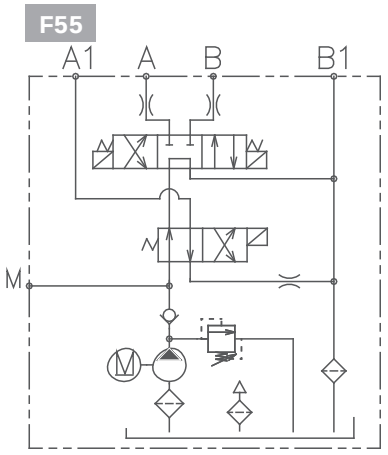


Drawing





Aerial Working Platform Power Pack 6

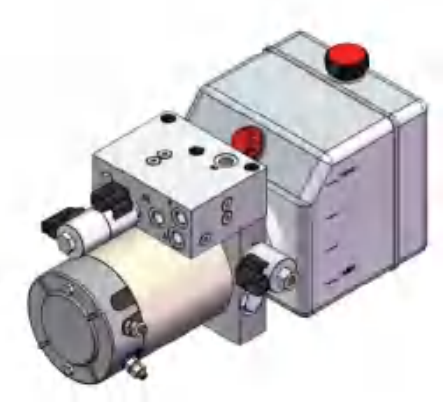


Introduction

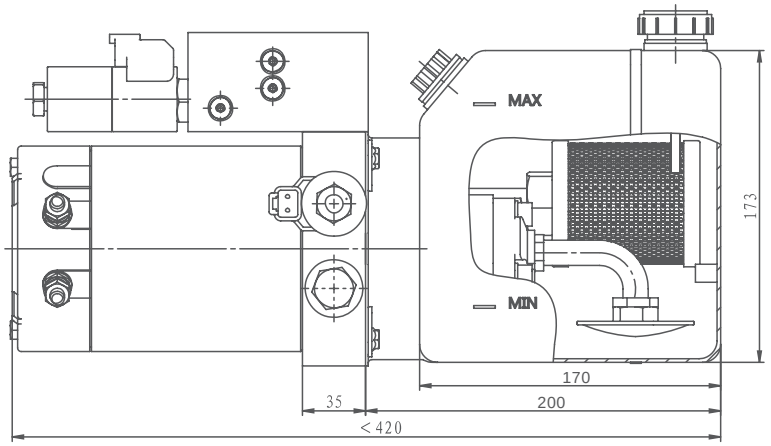
1. High-pressure gear oil pump / DC motor / Double acting
2. Internal filter element

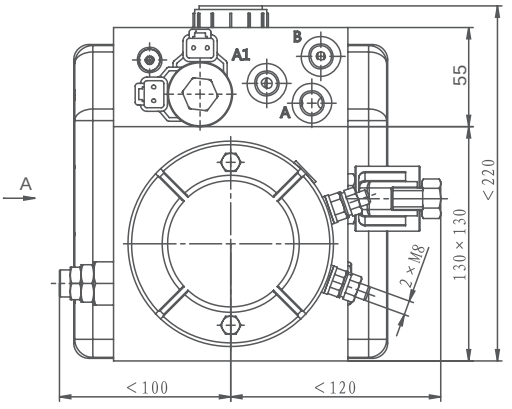
Technical Data

Model	DC-F55-2.1/E-2.2/24/20-4PH-C
Voltage	DC24V
Power	2.2kW
Speed	2500~2900rpm
Disp.	2.1cc/r
Pressure	19MPa
Volume	4L
Size	A, B, A1, M, B1: G1/4

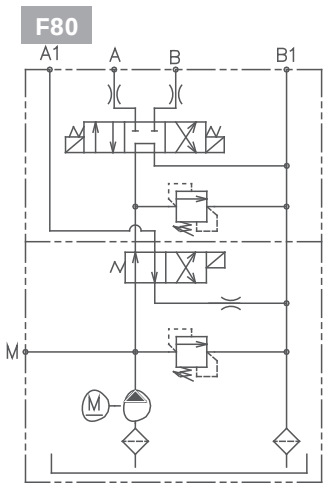


Drawing





Aerial Working Platform Power Pack 7

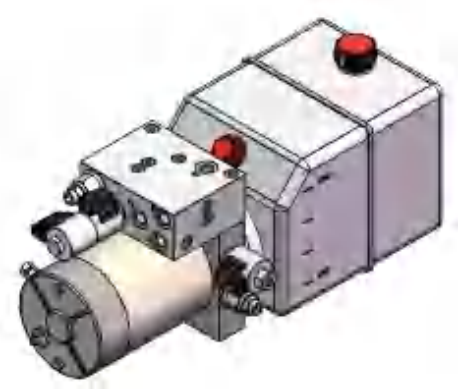


Introduction

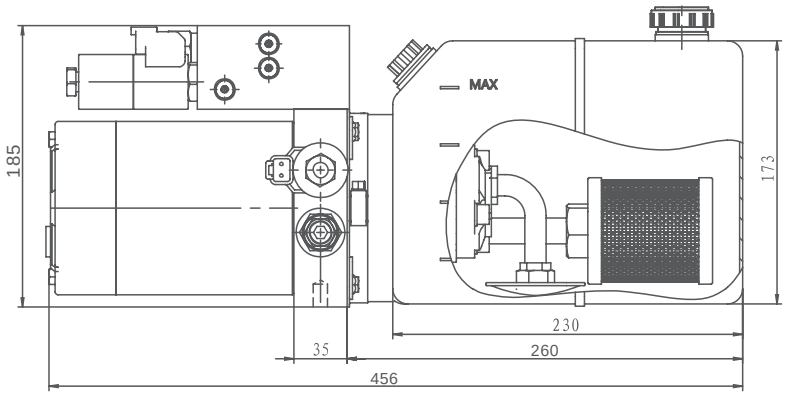
1. High-pressure gear oil pump / DC motor / Double acting
2. Internal filter element

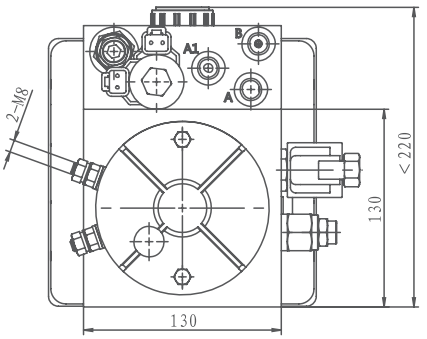
Technical Data

Model	DC-F80-2.5/F-2.2/24/20-6PH-C1
Voltage	DC24V
Power	2.2kW
Speed	2600rpm
Disp.	2.5cc/r
Pressure	21MPa
Volume	6L
Size	A, B, A1, B1, M: G1/4

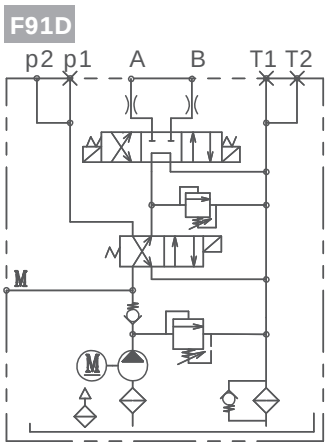


Drawing





Aerial Working Platform Power Pack 8

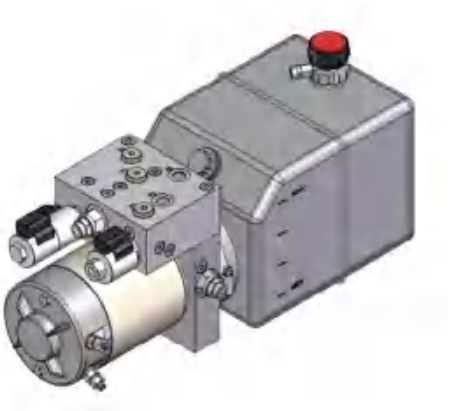


Introduction

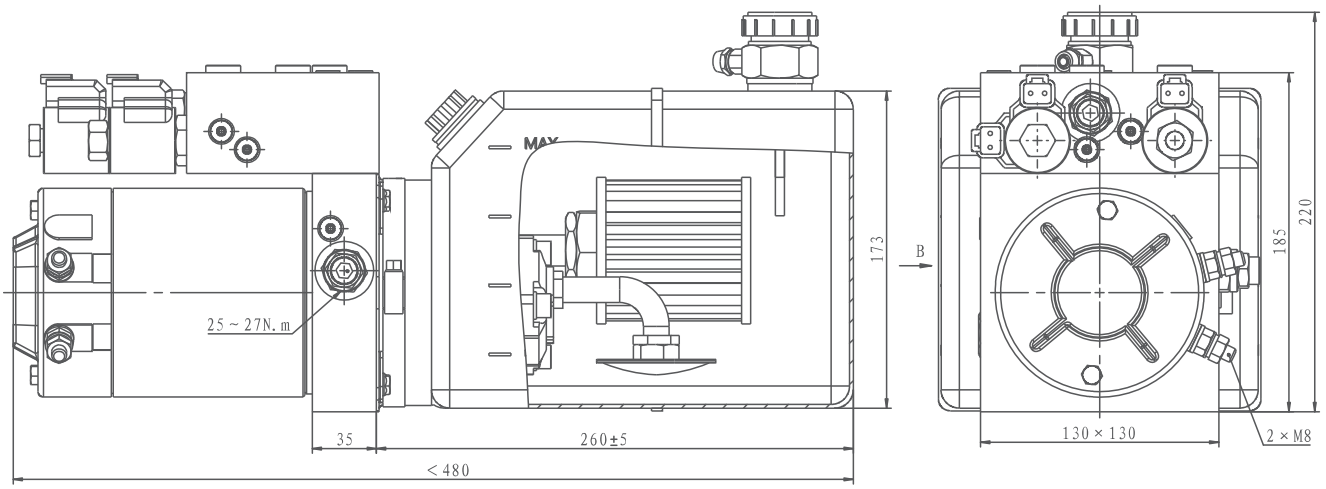
1. High-pressure gear oil pump / DC motor / Double acting
2. Internal filter element
3. Multiple oil return ports

Technical Data

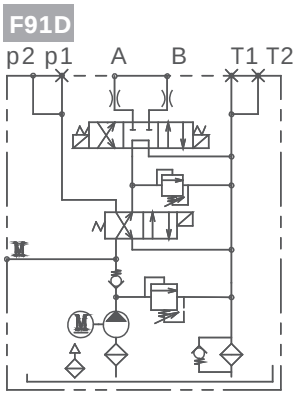
Model	DC-F91D-3.2/E-2.2/24/20-6PH-C
Voltage	DC24V
Power	2.2kW
Speed	2750rpm
Disp.	3.2cc/r
Pressure	15MPa
Volume	6L
Size	A, B, P1, P2, T1, T2, M: G1/4



Drawing



Aerial Working Platform Power Pack 9



Introduction

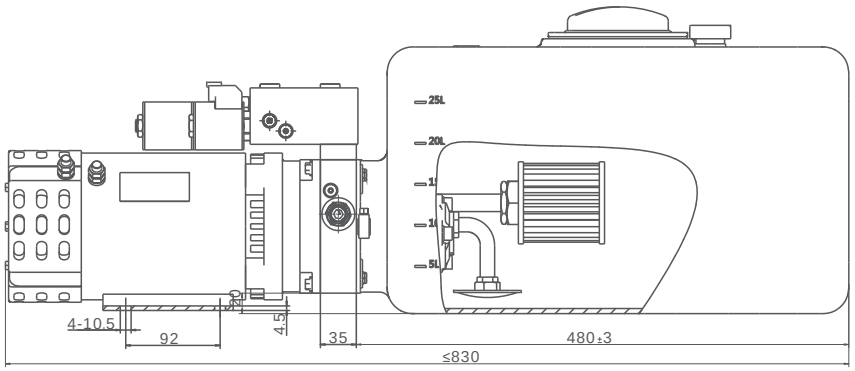
1. High-pressure gear oil pump / DC motor / Double acting
2. Internal filter element
3. Large capacity oil tank with large opening cap

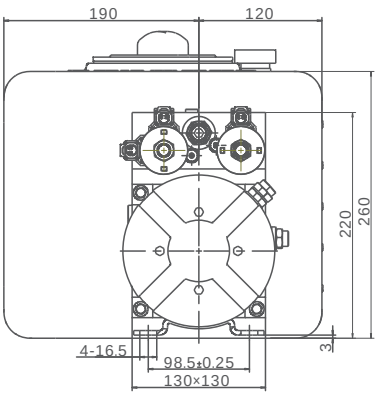
Technical Data

Model	DC-F91D-4.8/E-4.5/48/24-28PH-C
Voltage	DC48V
Power	4.5kW
Speed	2750rpm
Disp.	4.8cc/r
Pressure	15MPa
Volume	28L
Size	A, B, P1, P2, T1, T2, M: G1/4



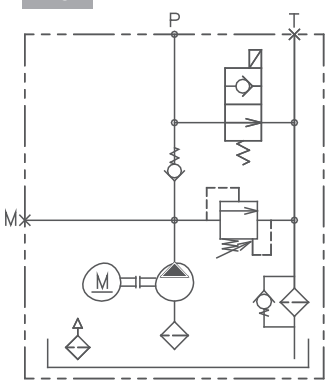
Drawing





Aerial Working Platform Power Pack 10

F102

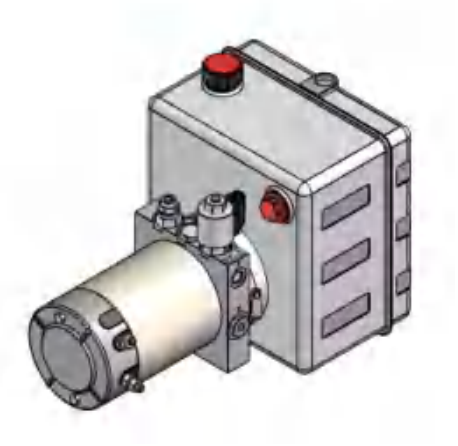


Introduction

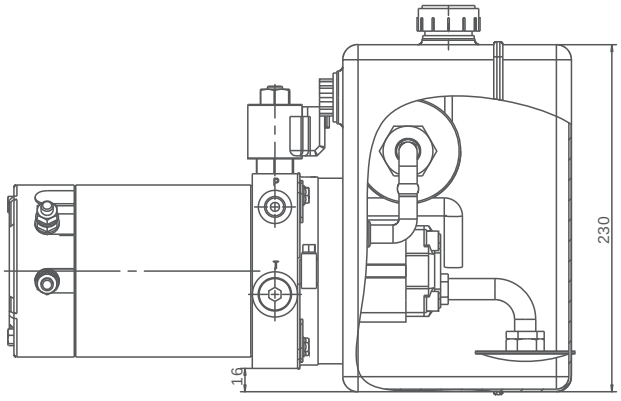
1. High-pressure gear oil pump / DC motor / Single acting
2. Internal filter element

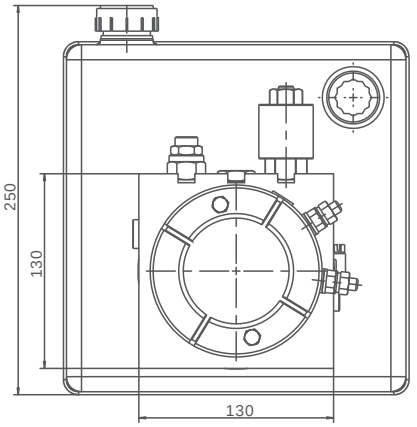
Technical Data

Model	DC-F102-3.2/F-2.2/24/24-7PBH-C
Voltage	DC24V
Power	2.2kW
Speed	2750rpm
Disp.	3.2cc/r
Pressure	18MPa
Volume	7L
Size	P, M: G1/4; T: G3/8

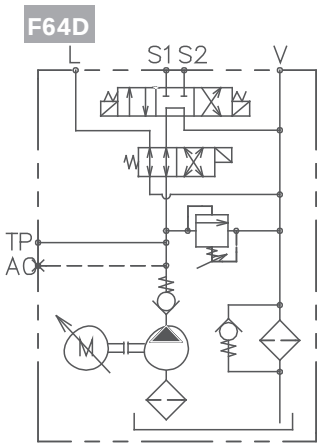


Drawing





Aerial Working Platform Power Pack 11

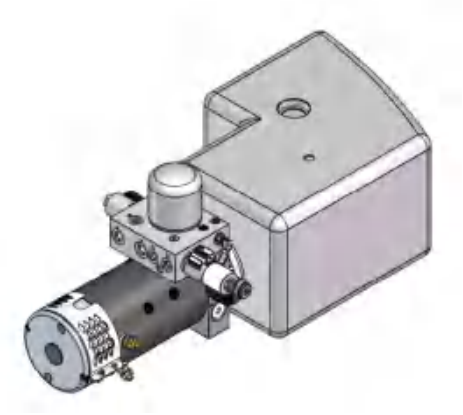


Introduction

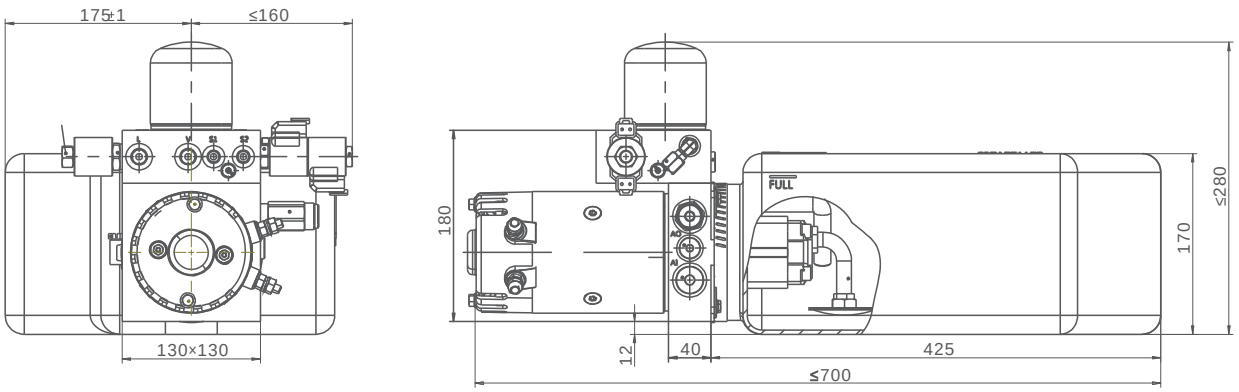
1. High-pressure gear oil pump / DC motor / Double acting
2. External oil return filter

Technical Data

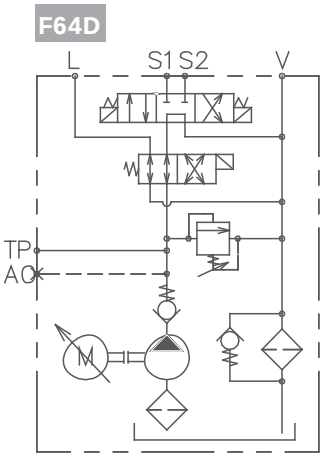
Model	DC-F64D-2.9/F-2.4/24/20-13PH-FK
Voltage	DC24V
Power	2.4kW
Speed	2700rpm
Disp.	2.9cc/r
Pressure	21Mpa
Volume	13L
Size	S1, S2, T, P: SAE4; L,V: SAE6



Drawing



Aerial Working Platform Power Pack 12

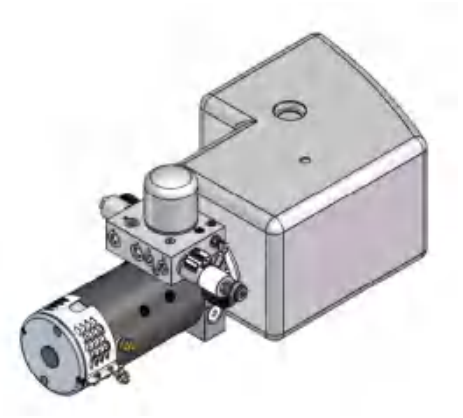


Introduction

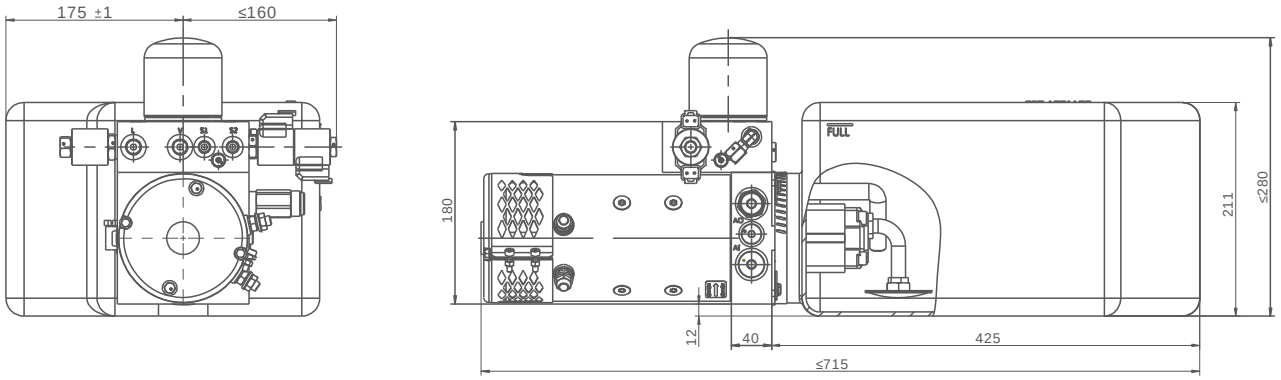
1. High-pressure gear oil pump / DC motor / Double acting
2. Internal filter element
3. Shaped oil tank

Technical Data

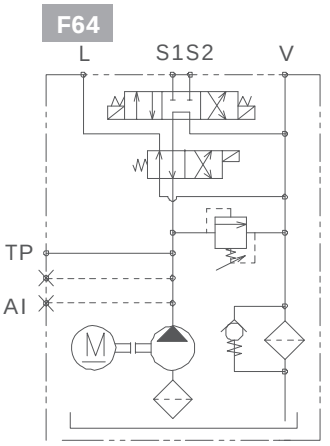
Model	DC-F64D-3.8/F-2.8/24/20-22PH-FK
Voltage	DC24V
Power	2.8kW
Speed	2700rpm
Disp.	3.8cc/r
Pressure	21MPa
Volume	21.6L
Size	S1, S2, T, P: SAE4; L, V: SAE6



Drawing



Aerial Working Platform Power Pack 13

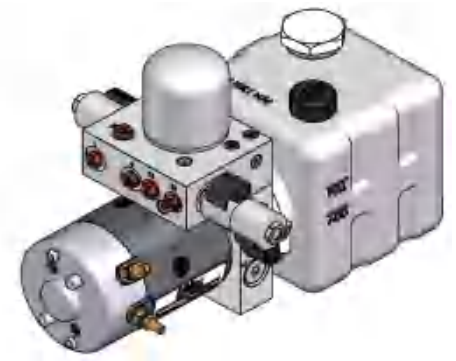


Introduction

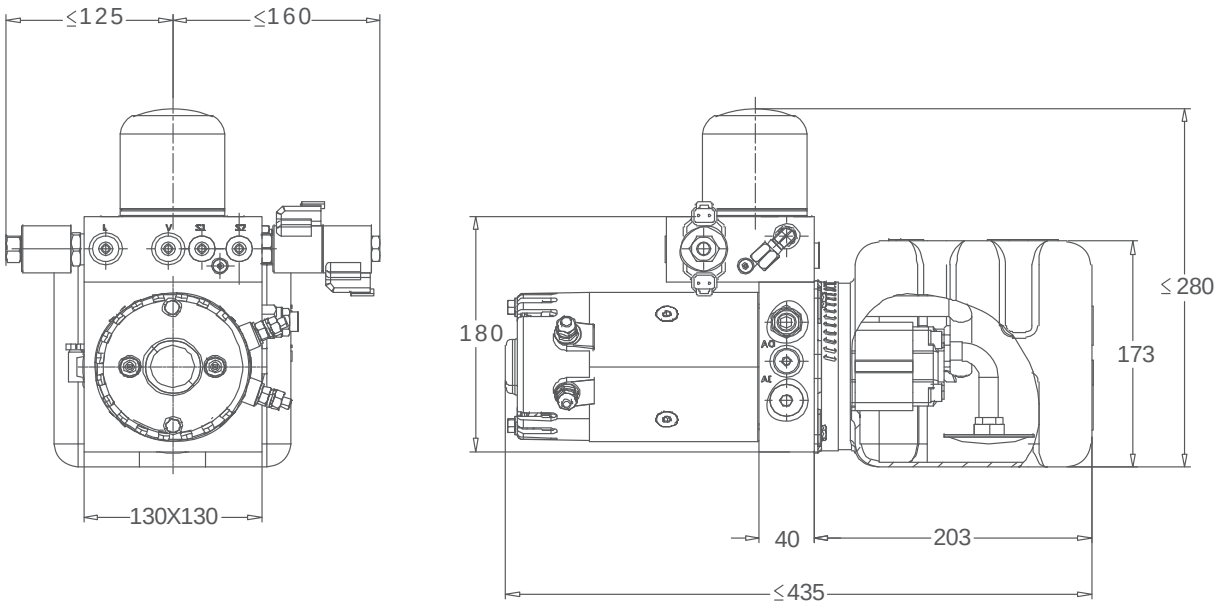
1. High pressure gear oil pump / DC motor / Multipurpose integrated valve block / Hydraulic valve / Tank
2. 3-position 4-way solenoid valve / 2-position 4-way solenoid valve
3. External oil return filter

Technical Data

Model	DC-F64-1.5/F-2.0-24/20-4PH-FK
Voltage	DC24V
Power	2.0kW
Speed	3100rpm
Disp.	1.5cc/r
Pressure	24.5MPa
Volume	4L
Size	SAE4, SAE6

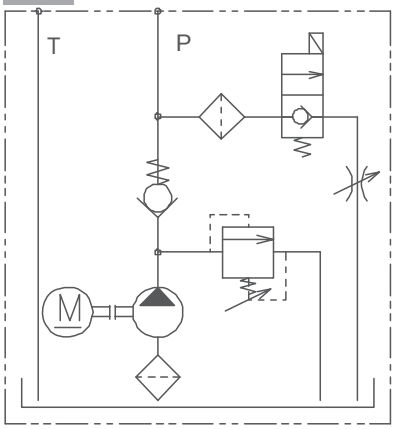


Drawing



Stacker Power Pack 1

F09

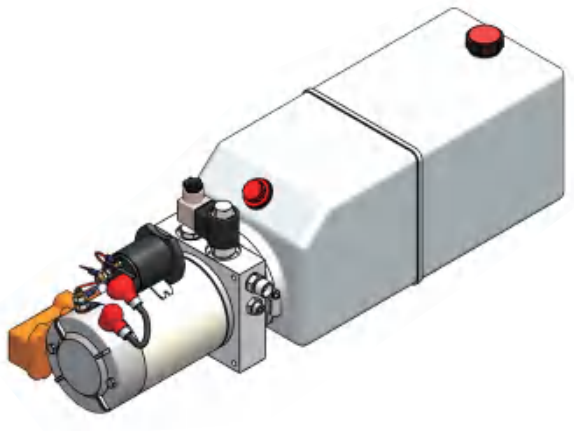


Introduction

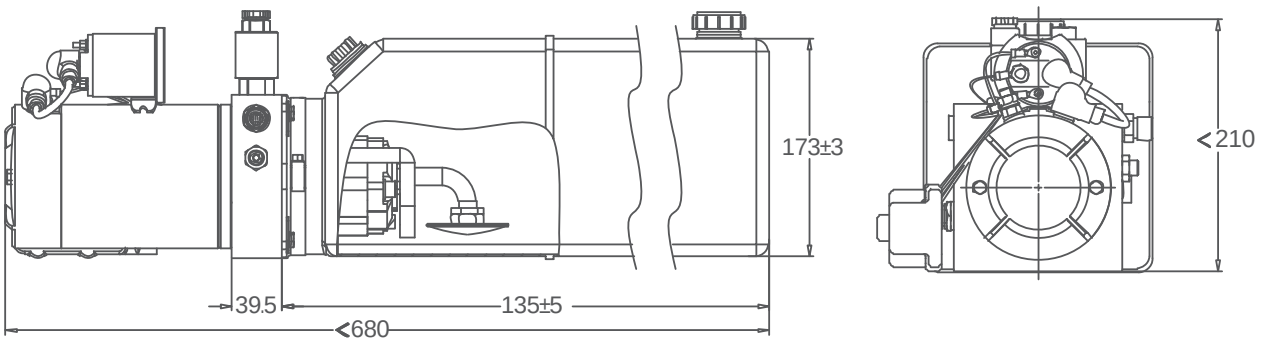
1. High pressure gear oil pump / DC Motor /
Multi-purpose integrated valve block / Hydraulic valve / Tank
2. Normally closed type solenoid unloading valve
3. Lowering speed controlled by adjustable throttle valve

Technical Data

Model	DC-F09-1.1/F-1.6-12/12-10PH-A
Voltage	DC12V
Power	1.6kW
Speed	2600rpm
Disp.	1.1cc/r
Pressure	21MPa
Volume	10L
Size	M14X1.5

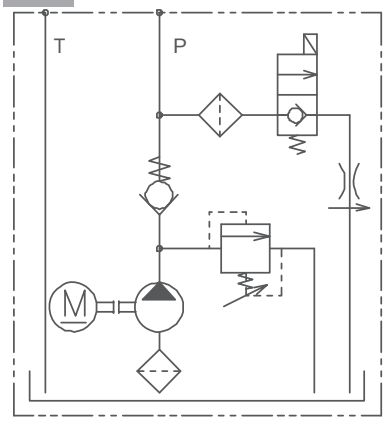


Drawing



Stacker Power Pack 2

F10

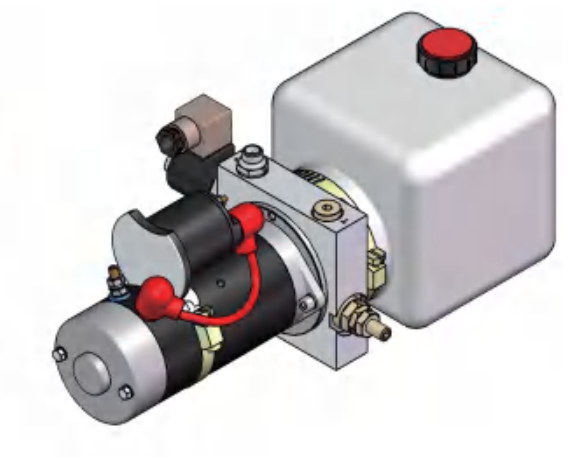


Introduction

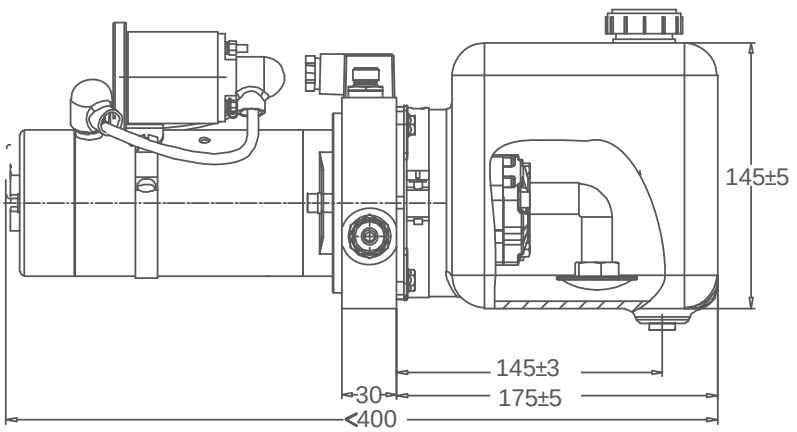
1. High pressure gear oil pump / DC Motor
Multi-purpose integrated valve block
Hydraulic valve / Tank
2. Normally closed type solenoid unloading valve
3. The speed of descent does not vary with the load

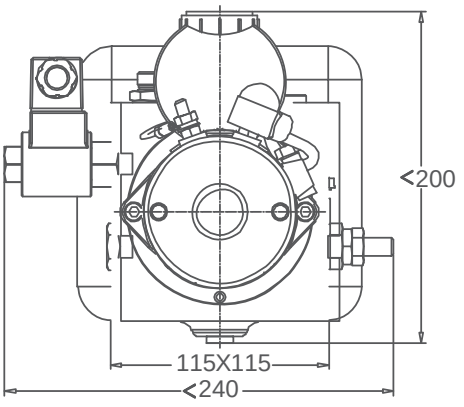
Technical Data

Model	DC-F10-1.25/F-1.2-12/12-2.5PH-C
Voltage	DC12V
Power	1.2kW
Speed	3000rpm
Disp.	1.25cc/r
Pressure	17MPa
Volume	2.5L
Size	G1/4



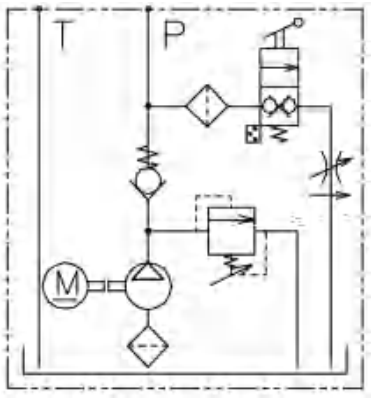
Drawing





Semi-electric Stacker Power Pack

F06

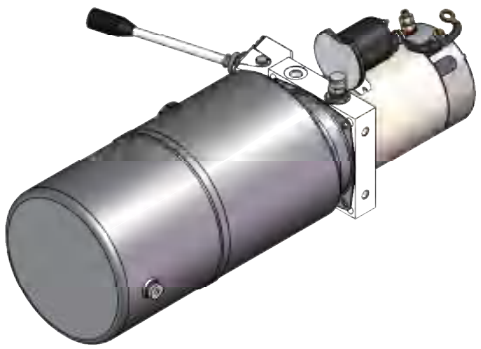


Introduction

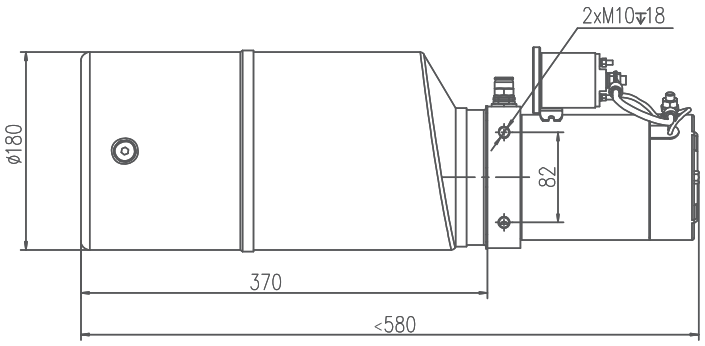
1. High-pressure gear oil pump / DC motor / Manual switch
2. Pressure limiting relief valve
3. The descent speed is adjustable

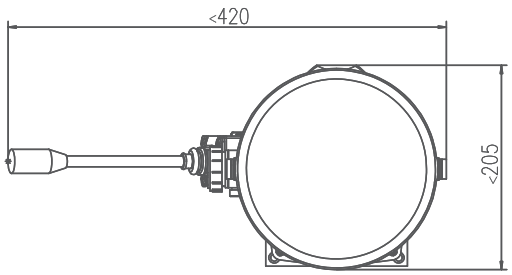
Technical Data

Model	DC-F06-2.6/E-2.2/24/**-8HS-A
Voltage	DC24V
Power	2.2kW
Speed	2500rpm
Disp.	2.6cc/r
Pressure	16MPa
Volume	8L
Size	P, T: M14x1.5



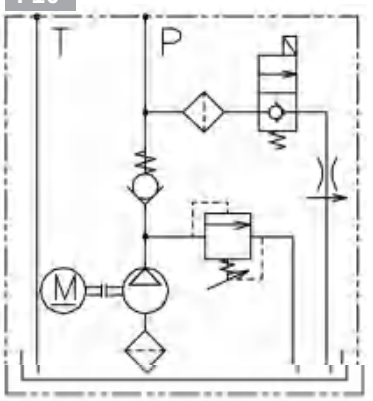
Drawing





Electric Stacker Power Pack

F10

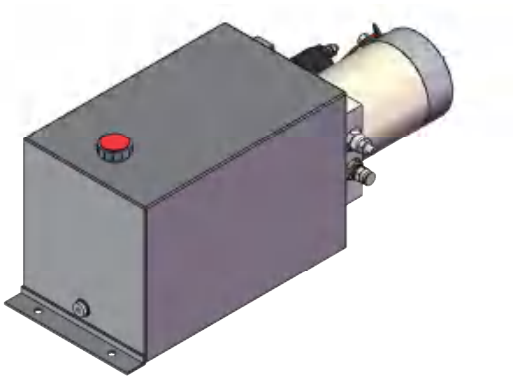


Introduction

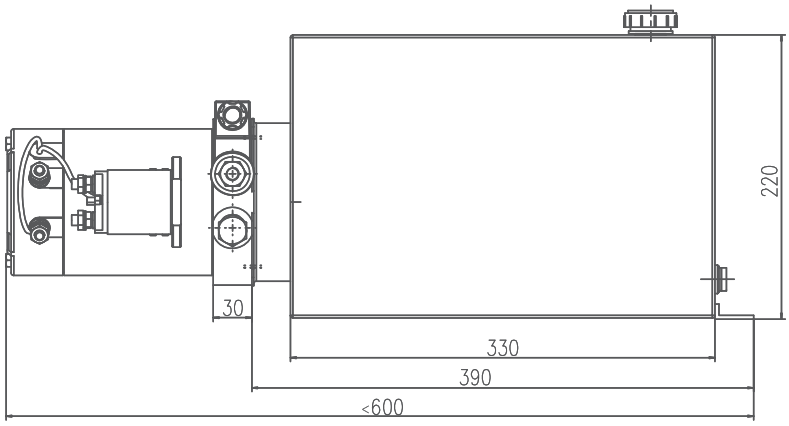
1. High pressure gear oil pump / DC motor / Single acting
2. All electric

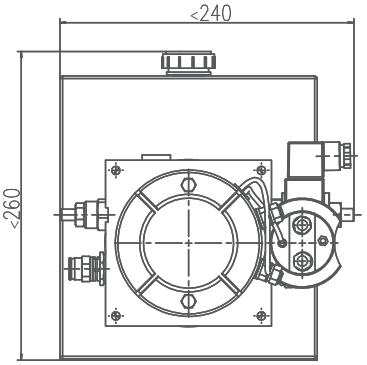
Technical Data

Model	DC-F10-3.7/E-2.2/24/2900-14H-D
Voltage	DC24V
Power	2.2kW
Speed	2900rpm
Disp.	3.7cc/r
Pressure	16MPa
Volume	14L
Size	P, T: G3/8



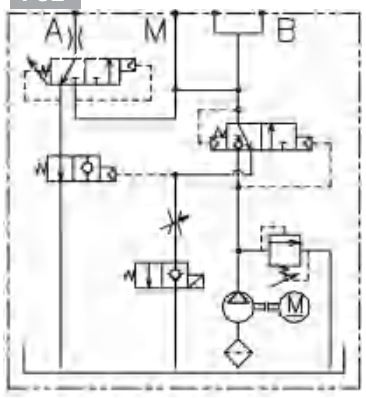
Drawing





Dock Leveler Power Pack 1

F32



Introduction

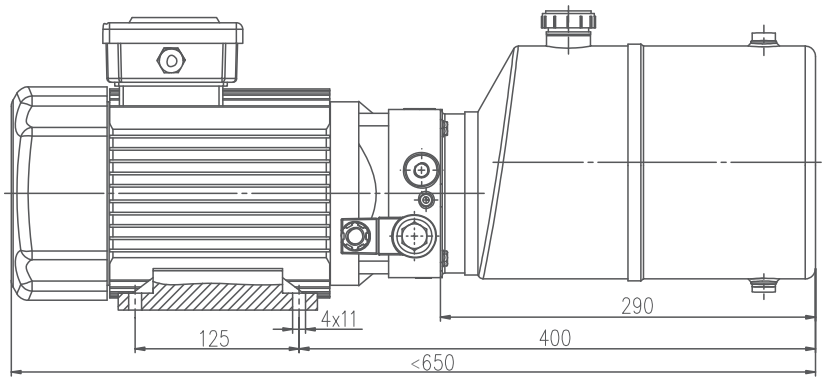
1. High-pressure gear oil pump / AC motor / Multi-valve control
2. Iron tank

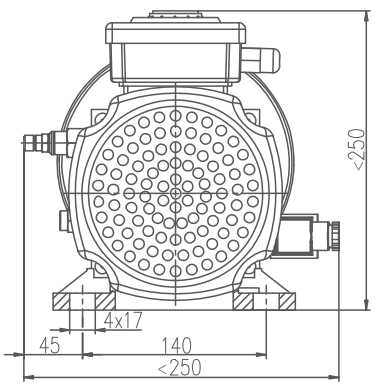
Technical Data

Model	AC-F32-3.2/D-1.5/240/1440/**-6H-C
Voltage	AC240V
Power	1.5kW
Speed	1440rpm
Disp.	3.2cc/r
Pressure	10MPa
Volume	6L
Size	A, B, M: G1/4



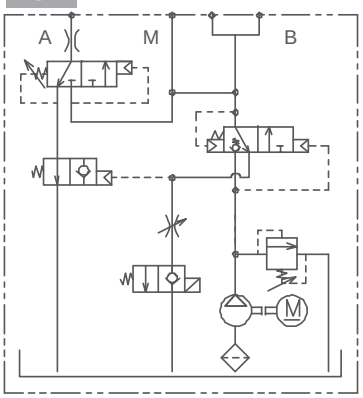
Drawing





Dock Leveler Power Pack 2

F32

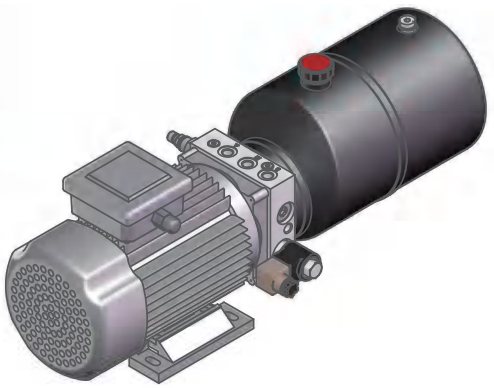


Introduction

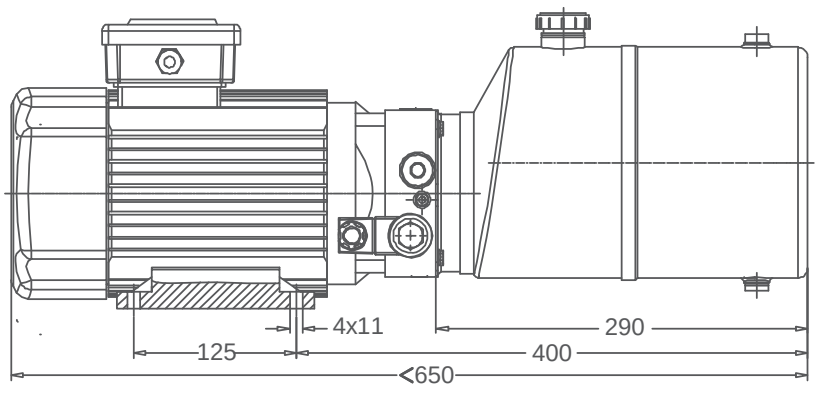
The hydraulic power pack is composed of high-pressure gear pump, AC motor, hydraulic valve, tank and other parts. It provides the lifting and closing functions of large and small dock levelers for the hydraulic boarding bridge, it can control two groups of single-acting cylinders.

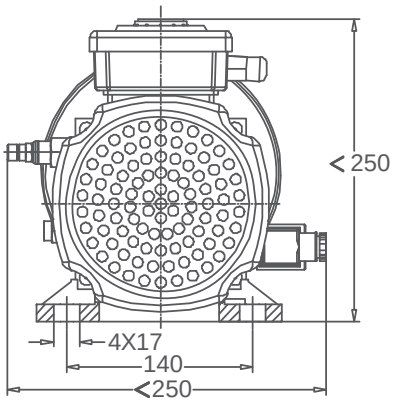
Technical Data

Model	AC-F32-3.2/D-1.5-240/1440/**-6H-C
Voltage	AC240V
Power	1.5kW
Speed	1440rpm
Disp.	3.2cc/r
Pressure	18MPa
Volume	6L
Size	G1/4



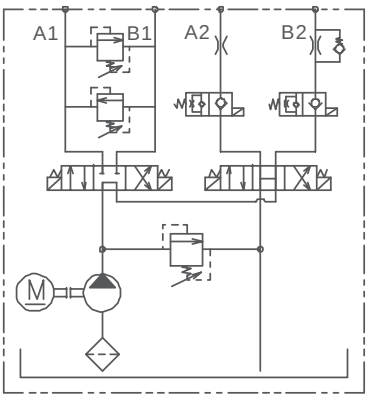
Drawing





Snow Sweeper Power Pack 1

F36

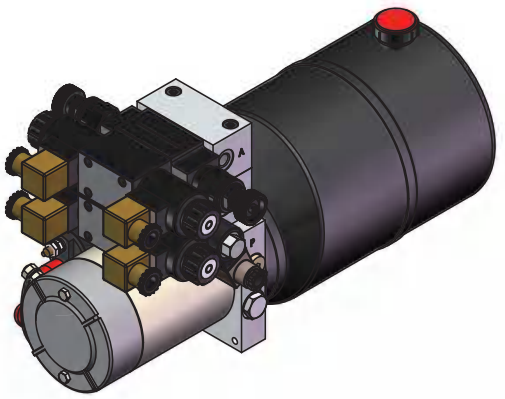


Introduction

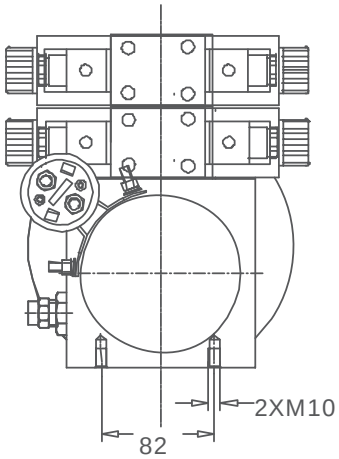
The hydraulic power pack is composed of high-pressure DC motor, multi-purpose integrated block, hydraulic valve, oil tank and other parts. Providing lifting and angle adjustment functions for snow sweepers. It can control one double-acting cylinder and two single-acting cylinders at the same time.

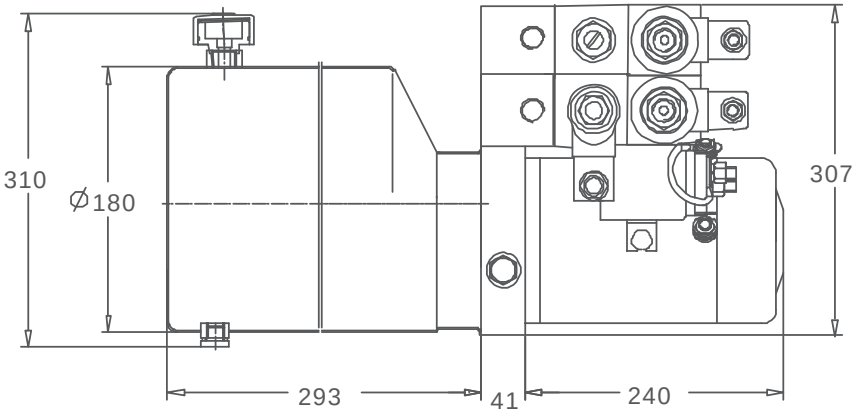
Technical Data

Model	DC-F36-1.6/F-1.6-12/**-5H-C
Voltage	DC12V
Power	1.6kW
Speed	2600rpm
Disp.	1.6cc/r
Pressure	20MPa
Volume	5L
Size	G1/4



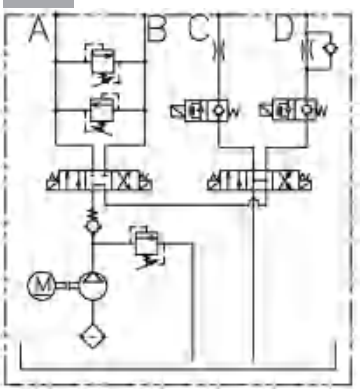
Drawing





Snow Sweeper Power Pack 2

F36

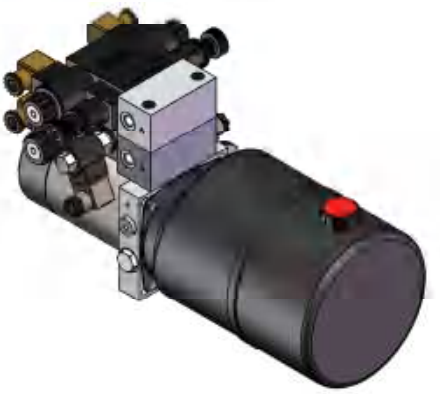


Introduction

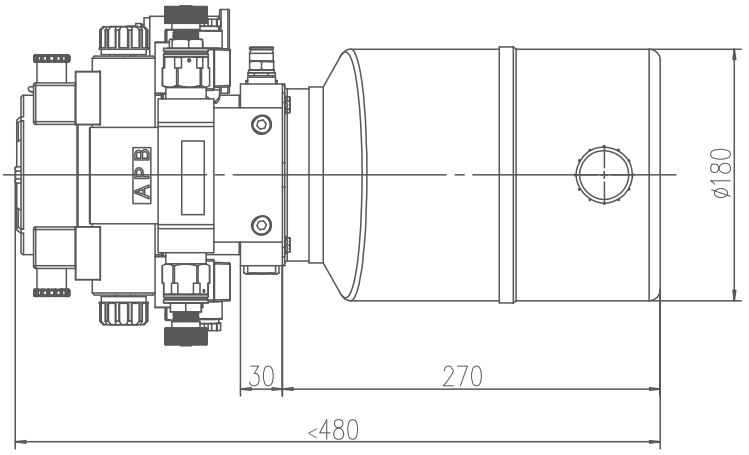
1. High-pressure gear oil pump / DC motor / Multi-channel control
2. Internal filter element

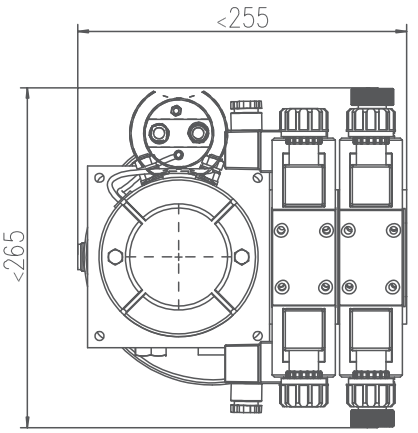
Technical Data

Model	DC-F36-1.6/F-1.6/12/**-5H-C
Voltage	DC12V
Power	1.6kW
Speed	2500rpm
Disp.	1.6cc/r
Pressure	20MPa
Volume	5L
Size	A, B: G1/4

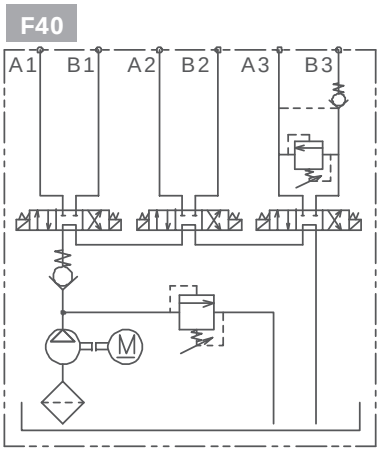


Drawing





Tyre Changer Power Pack

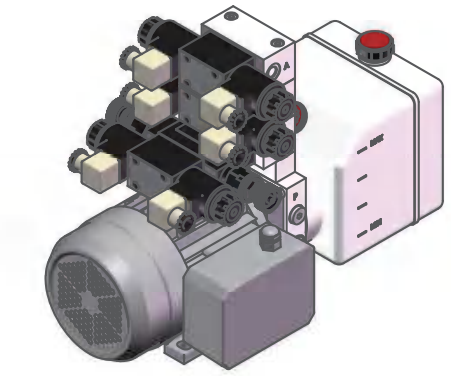


Introduction

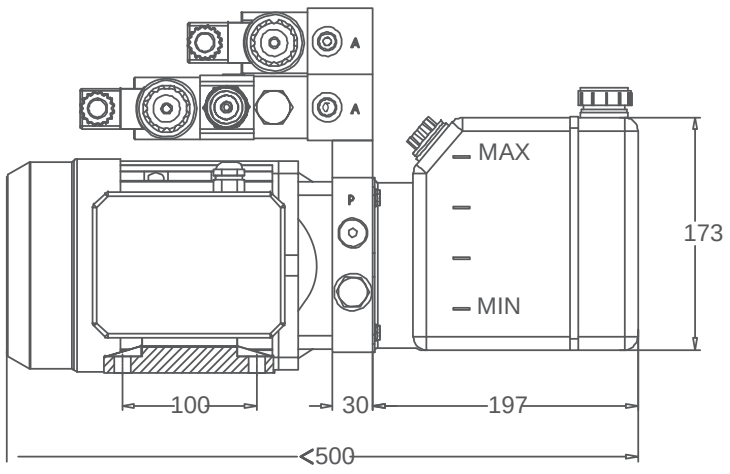
The hydraulic power pack is composed of high-pressure gear pump, AC motor, multi-purpose integrated block, hydraulic valve, oil tank and other parts. It is designed for the auto tyre changer machine and controls three groups of double-acting oil cylinders.

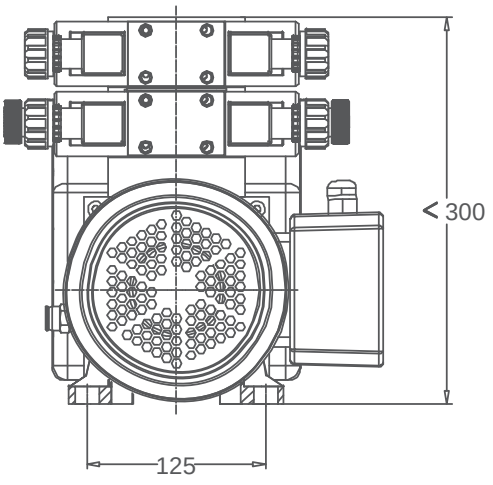
Technical Data

Model	AC-F40-3.2/F-1.5-380/1440/**-4PH-C
Voltage	AC380V
Power	1.5kW
Speed	1440rpm
Disp.	3.2cc/r
Pressure	18MPa
Volume	4L
Size	G1/4



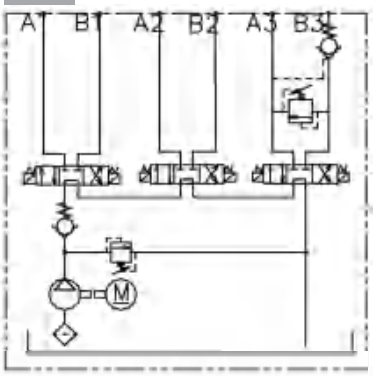
Drawing





Tyre Changer Power Pack 2

F40

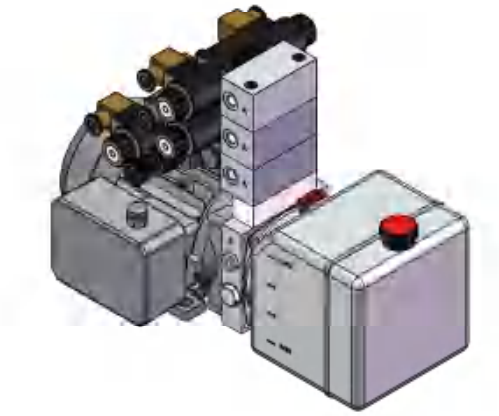


Introduction

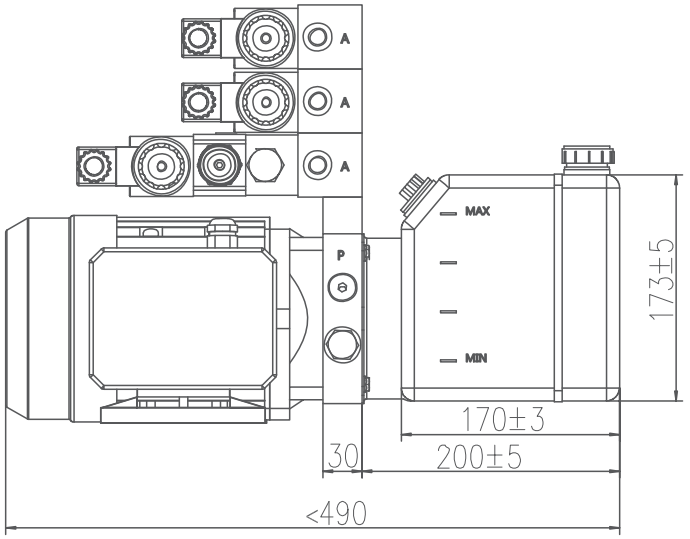
1. High-pressure gear oil pump / AC motor / three-valve control
2. Internal filter element

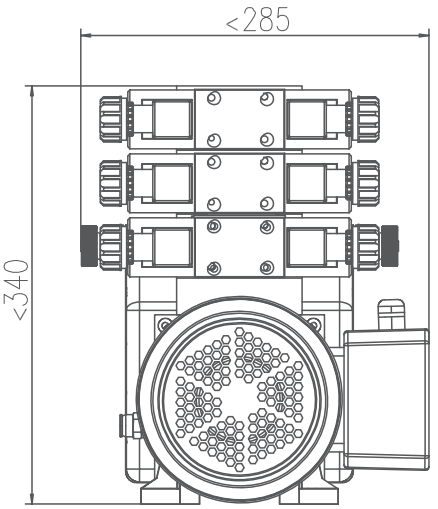
Technical Data

Model	AC-F40-1.25/E-0.75/24/1800-4H-A
Voltage	AC120V
Power	0.75kW
Speed	1800rpm
Disp.	1.25cc/r
Pressure	14MPa
Volume	4L
Size	A, B: M14x1.5



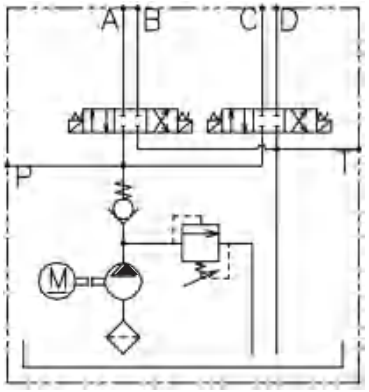
Drawing





Van Truck Power Pack

F39

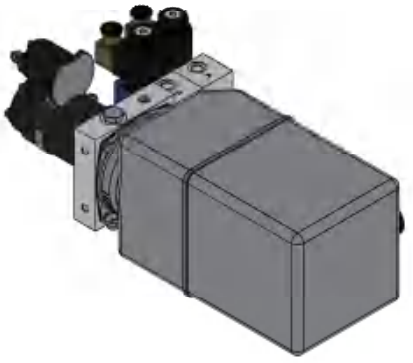


Introduction

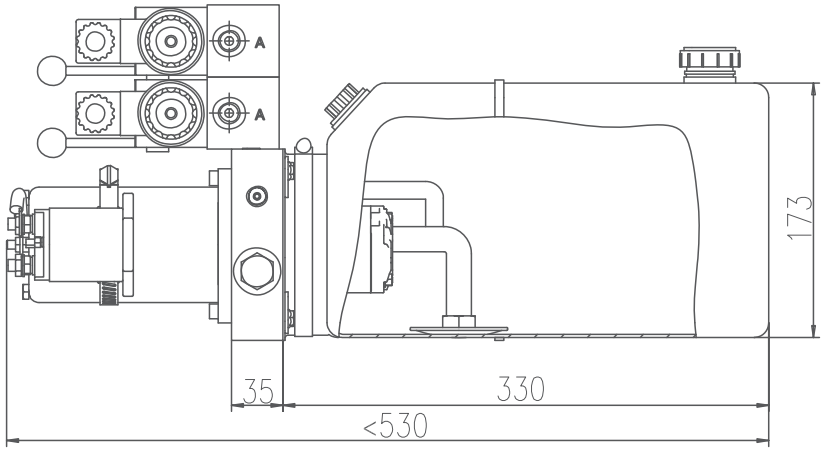
High-pressure gear oil pump / DC motor / Double valve control

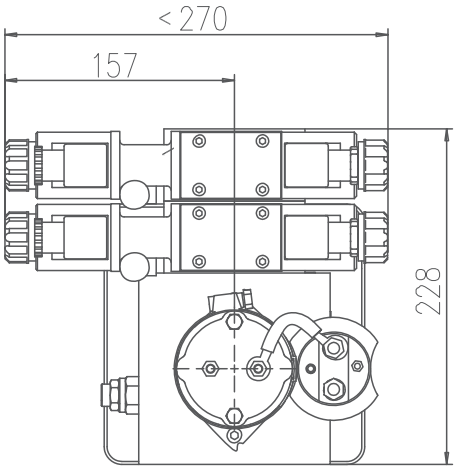
Technical Data

Model	DC-F39-0.75/E-0.8/24/3200-8H-A
Voltage	DC24V
Power	0.8kW
Speed	3200rpm
Disp.	0.75cc/r
Pressure	16MPa
Volume	8L
Size	A, B: M14x1.5



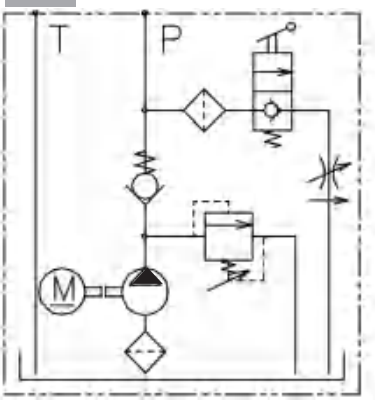
Drawing





Vehicle Lift Power Pack

F05

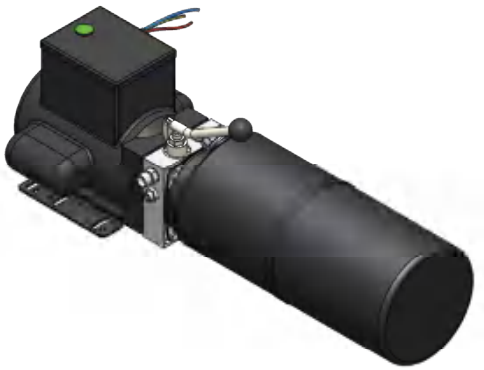


Introduction

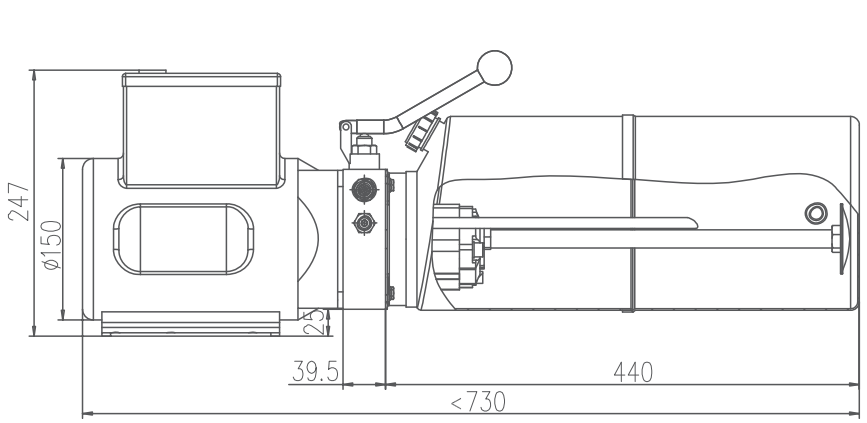
1. High-pressure gear oil pump / AC motor / Button unloading
2. Manual unloading, adjustable speed

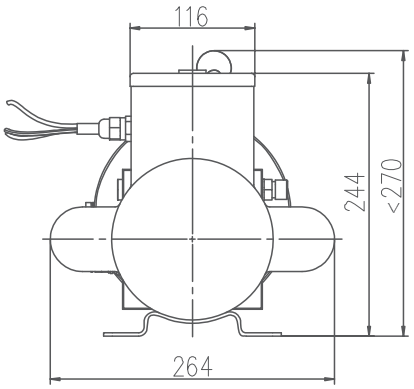
Technical Data

Model	AC-F05-2.1/G-2.2/110/3400/**-10V-A
Voltage	AC110V
Power	2.2kW
Speed	3400rpm
Disp.	2.1cc/r
Pressure	21MPa
Volume	10L
Size	P1, P2: M14x1.5

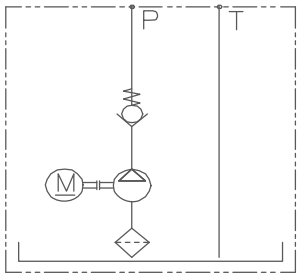


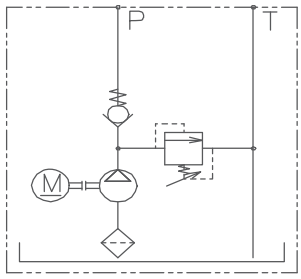
Drawing

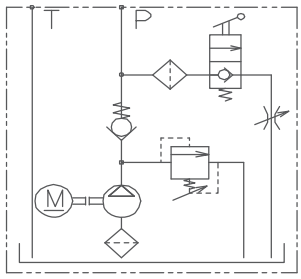


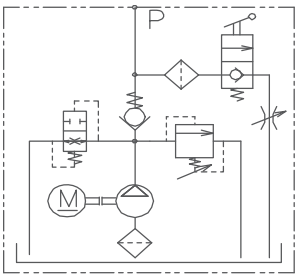


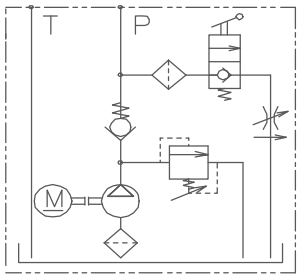
Hydraulic Schematics

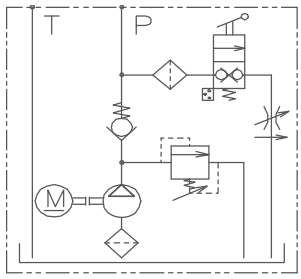
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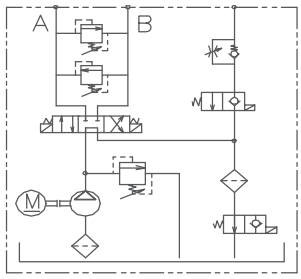
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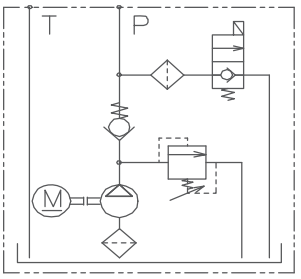
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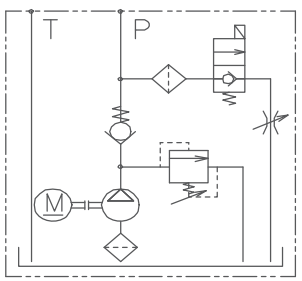
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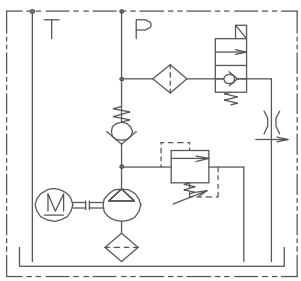
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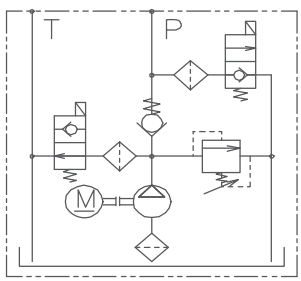
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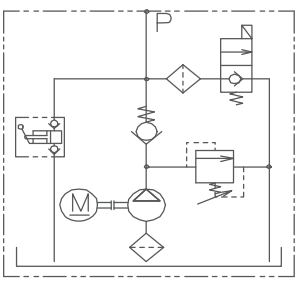
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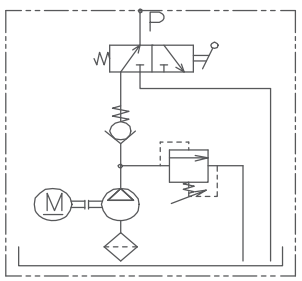
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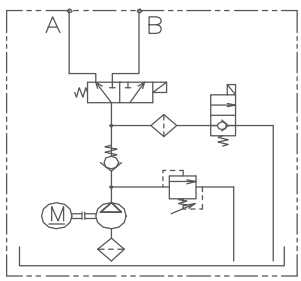
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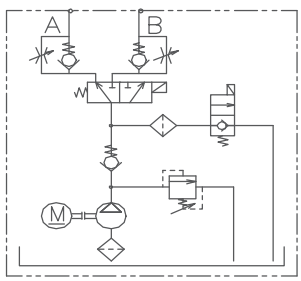
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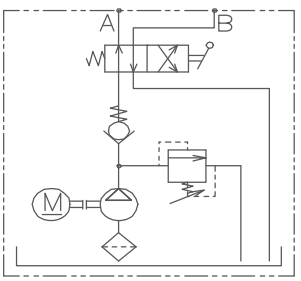
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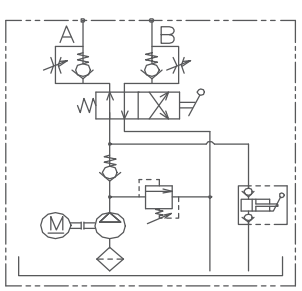
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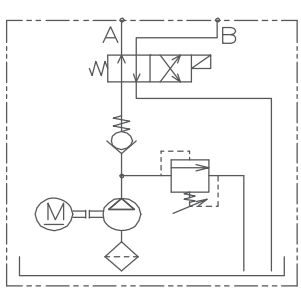
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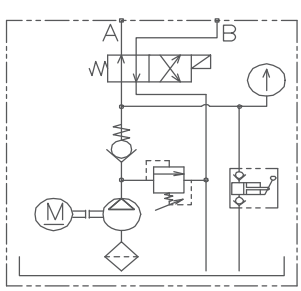
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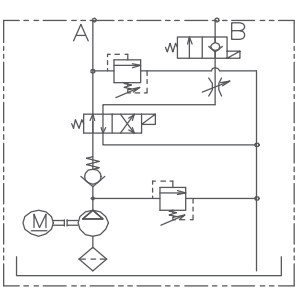
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F16


F17


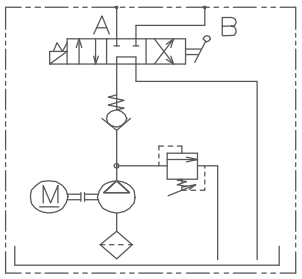
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F19


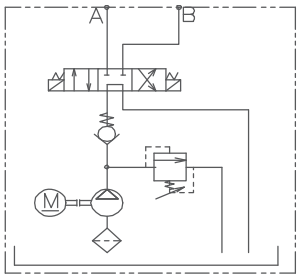
F20


Hydraulic Schematics

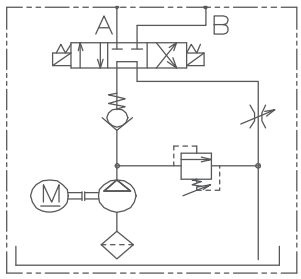
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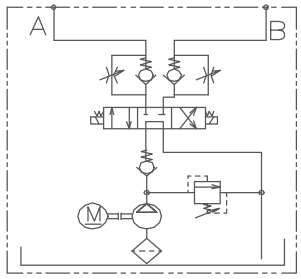
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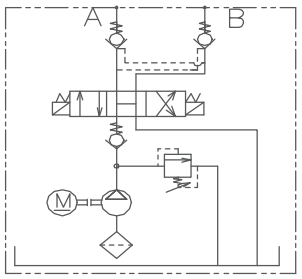
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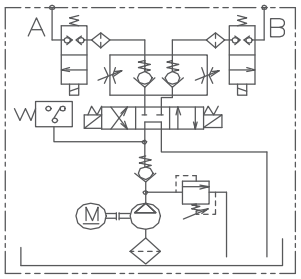
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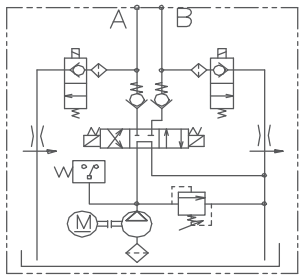
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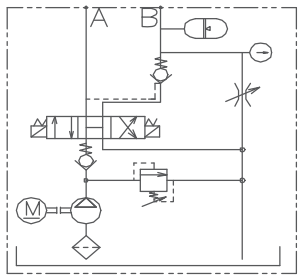
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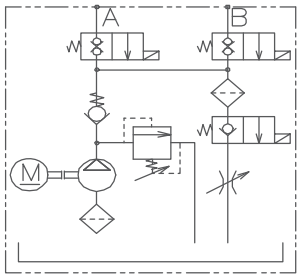
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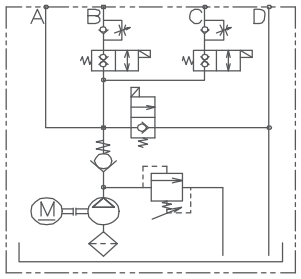
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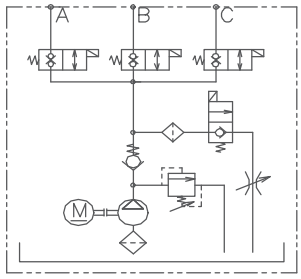
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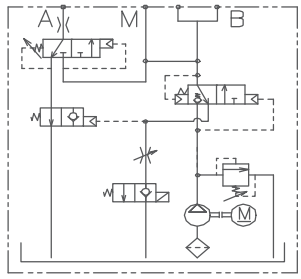
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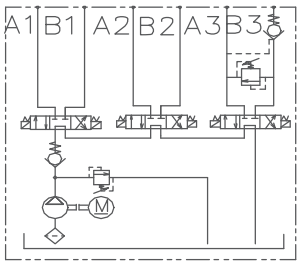
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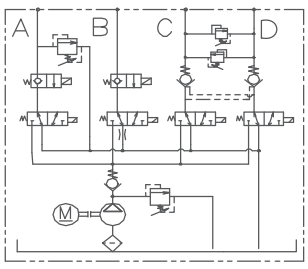
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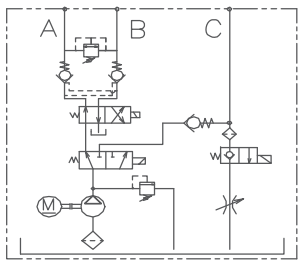
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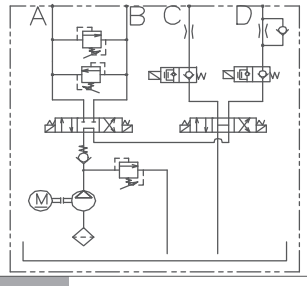
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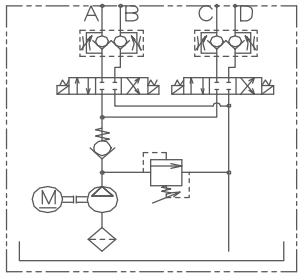
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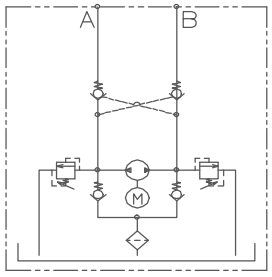
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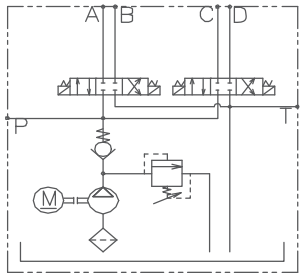
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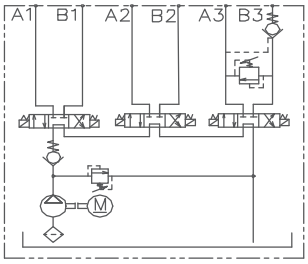
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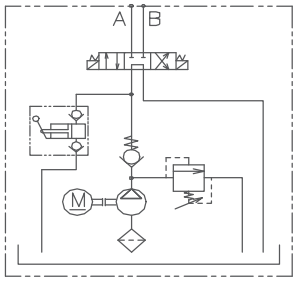


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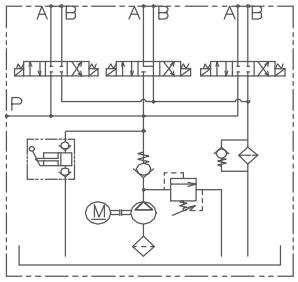


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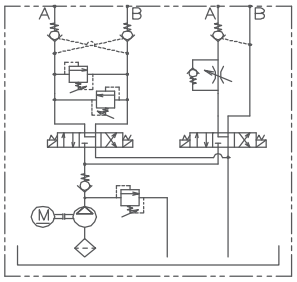
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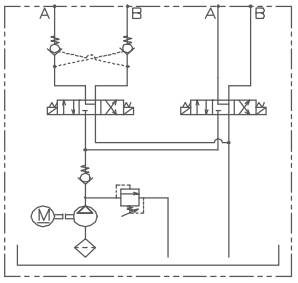
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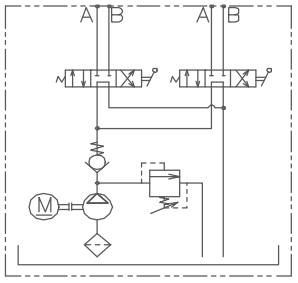
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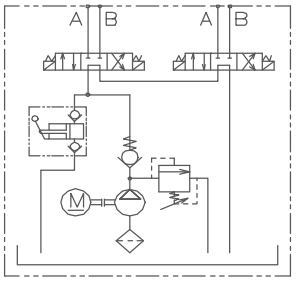
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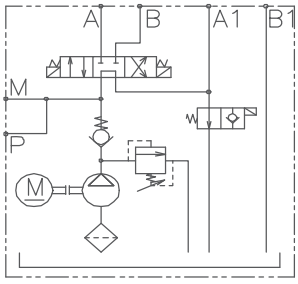
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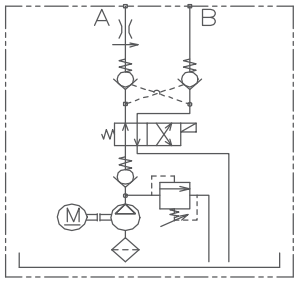
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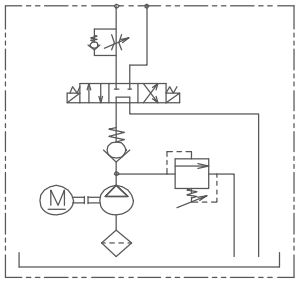
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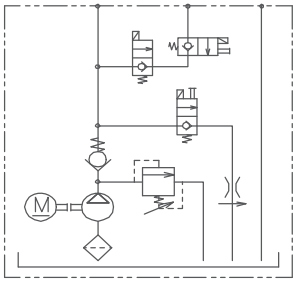
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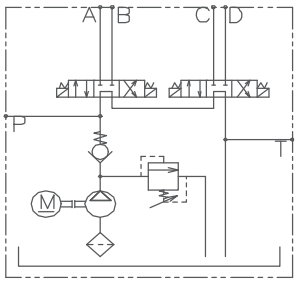
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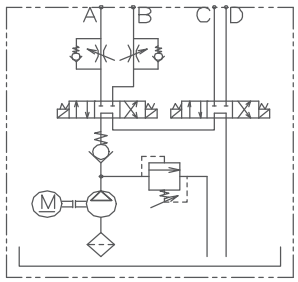
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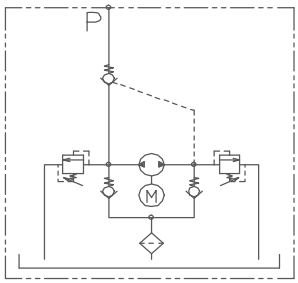
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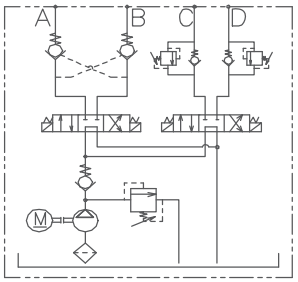
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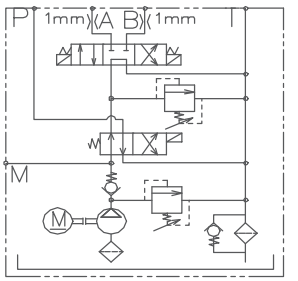
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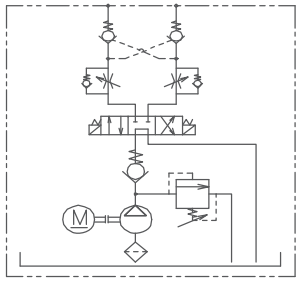
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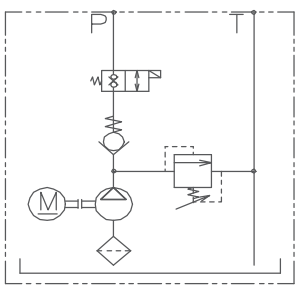
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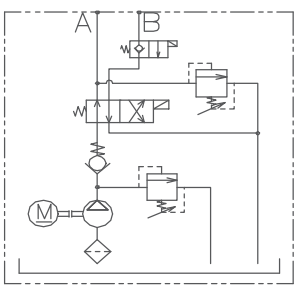
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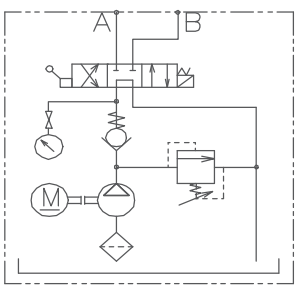
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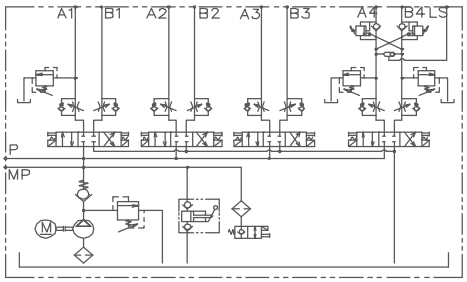


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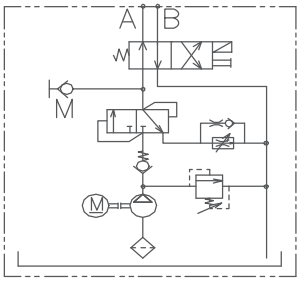


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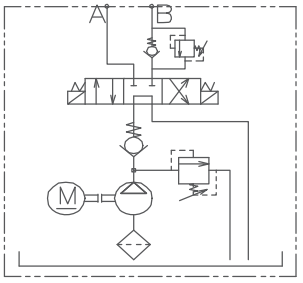
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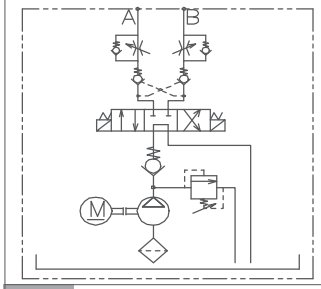
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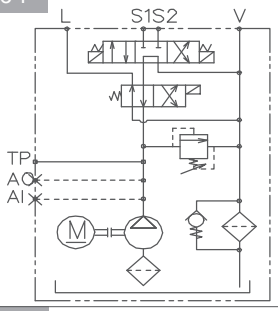
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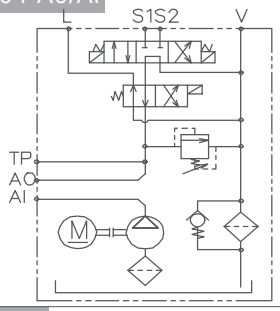
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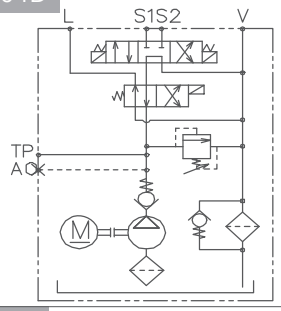
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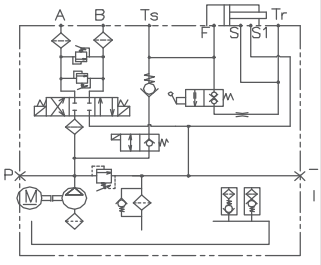
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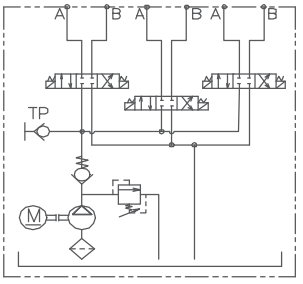
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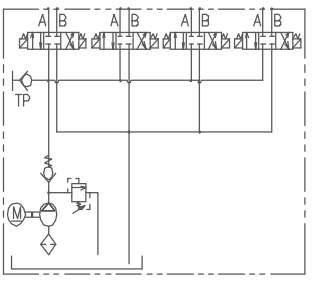
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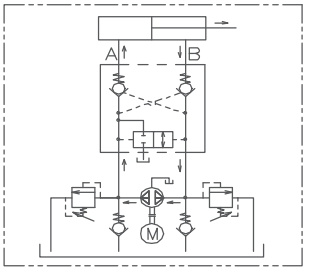
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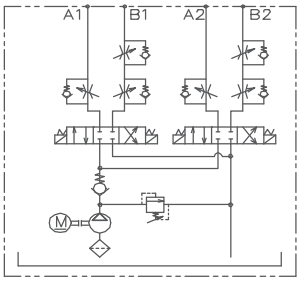
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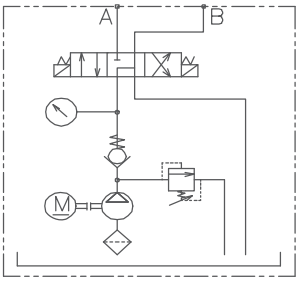
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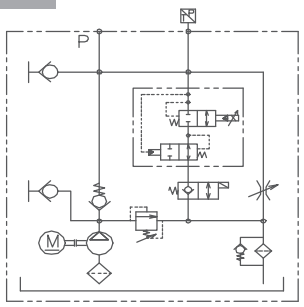
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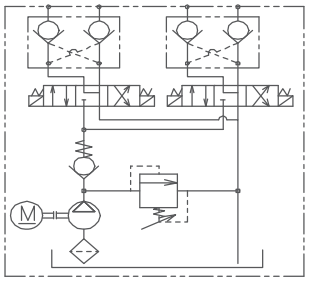
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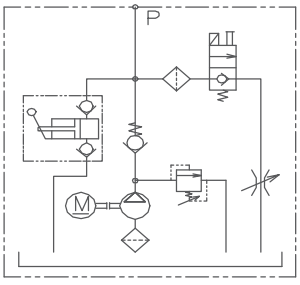
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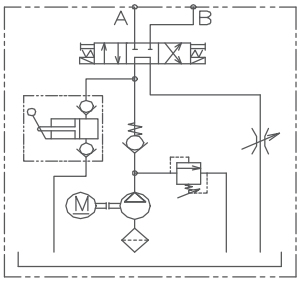
F72



F73



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