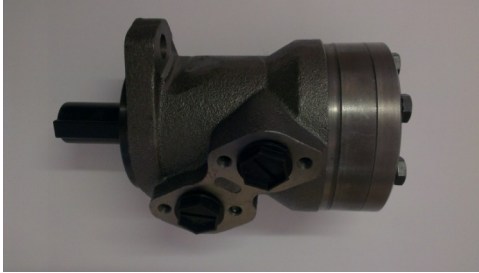




Hydraulic Motors

BMR Orbit Hydraulic Motor With Spool Valve

Introduction



This series of motor, with its shell made of ductile cast iron adequate intensity, can be applied to situations with less load and interval operation, widely to agriculture, forestry, plastics, machine tools and min machines, such as the mould height adjustment of the injection molding machine, the cleaner, the saw the worktable etc.

The output shaft, with the deep groove ball bearing, can bear certain axial force and radial force. With the axial oil distribution structure, it is of smaller size and less weight. With two inner check valves, no drain connection. With cycloid group with the roller, it has a small friction and high mechanical efficiency.

BMR Technical Data

TYPE		BMR-50	BMR-80	BMR-100	BMR-125	BMR-160	BMR-200	BMR-250	BMR-315	BMR-400
Displacement(ml/r)		51.7	80.5	100.5	126.3	160.8	200.9	252.6	321.5	401.9
Max.Pressure.Drop (Mpa)	Cont.	14	14	14	14	14	14	11	9	7
	Int.	17.5	17.5	17.5	17.5	17.5	17.5	14	11	9
	Peak.	20	20	20	20	20	20	16	13	11
Max.Torque (N.m)	Cont.	93	152	194	237	310	369	380	380	380
	Int.	118	189	236	296	378	450	470	470	470
	Peak.	135	216	270	338	433	509	540	540	540
Speed.Range(Cont.)(r/min)		10-775	10-750	10-600	9-475	7-375	5-300	5-240	5-190	5-160
Max.Flow(Cont.)(L/min)		40	60	60	60	60	60	60	60	60
Max.Output.Power(Cont.) (Kw)		7	10	10	10	10	8	6	5	4
Weight (kg)		6.5	6.9	7.0	7.3	7.5	8.0	8.5	9.0	11
L		141	146	150	154	160	167	176	188	202
B		9	14	17.5	22	28	35	44	56	70

Intermittent operation the permissible values may occur for max. 10% of every minute. Peak load: the permissible values may occur for max. 1% of every minute.

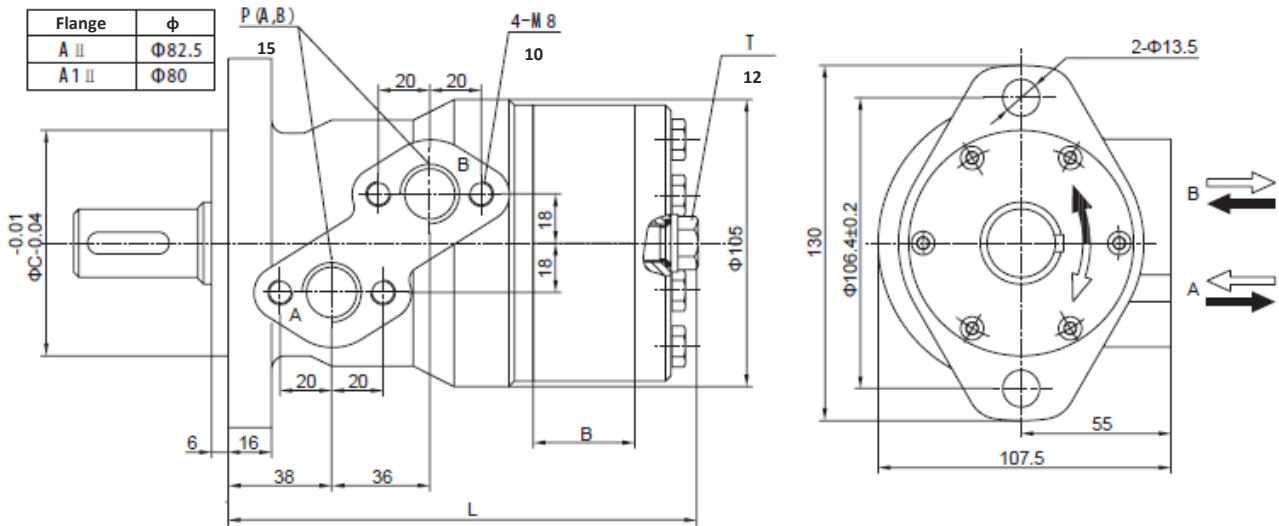
(N.m) : $\phi 25$, $\phi 25.4$ 360, $\phi 25$, $\phi 25.4$ 300



Hydraulic Motors

BMR Orbit Hydraulic Motor With Spool Valve

BMR Installation





Hydraulic Motors

BM3 Orbit Hydraulic Motor With Disk Valve

Introduction



BM hydraulic motor is one type of high torque low speed hydraulic motors, with high efficiency and long life. BM motor has a wide speed range, high starting torque and rotating stable at high speed Compact and light, it can be connected to working machine directly, adapted to all kinds of low speed heavy load facilities. BM hydraulic motors are widely applied in agriculture machinery, fishing machinery, plastic industry, mining, and construction machinery.

BM3 Technical Data

TYPE		BM3-80	BM3-100	BM3-125	BM3-160	BM3-200	BM3-250	BM3-315	BM3-400
Displacement(ml/r)		80.5	100.5	126.3	160.8	200.9	252.6	321.5	401.9
Max.Pressure.Drop (Mpa)	Cont.	17.5	17.5	17.5	16	16	12.5	12.5	10
	Int.	20	20	20	20	20	16	16	14
	Peak.	22.5	22.5	22.5	22.5	22.5	20	20	17.5
Max.Torque (N.m)	Cont.	194	242	303	358	438	440	551	560
	Int.	218	283	345	429	540	580	625	687
	Peak.	271	318	373	459	576	700	831	865
Speed.Range(Cont.)(r/min)		10-810	10-750	9-600	7-470	6-375	6-300	5-240	5-180
Max.Flow(Cont.)(L/min)		65	75	75	75	75	75	75	75
Max.Output.Power(Cont.) (Kw)		14	16	16	14	14	11	10	8
Weight (kg)		9.8	10.0	10.3	10.7	11.1	11.6	12.3	13.1
L		167	170	175	181	188	197	208	222
B		11	14.5	19	25	32	41	53	67

Intermittent operation the permissible values may occur for max. 10% of every minute. Peak load: the permissible values may occur for max. 1% of every minute.

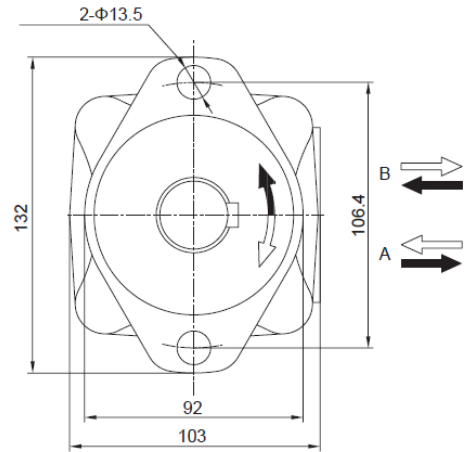
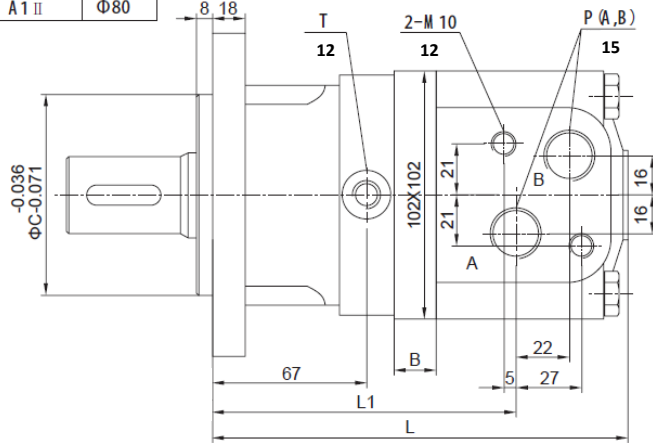
(N.m) : $\phi 25$, $\phi 25.4$ 360, $\phi 25$, $\phi 25.4$ 300

Hydraulic Motors

BM3 Orbit Hydraulic Motor With Disk Valve

BM3 Installation

Flange	ϕ
A II	$\phi 82.5$
A1 II	$\phi 80$



Hydraulic Steering Control Units

BHR Hydraulic Steering Control Units

Introduction



BHR1, BHR2, BHR3 Hydraulic steering control units (SCU), new design, better performance. Widely applied to low speed and heavy load vehicles E.g. construction machinery., forklift, tractor, harvester and helm control etc.

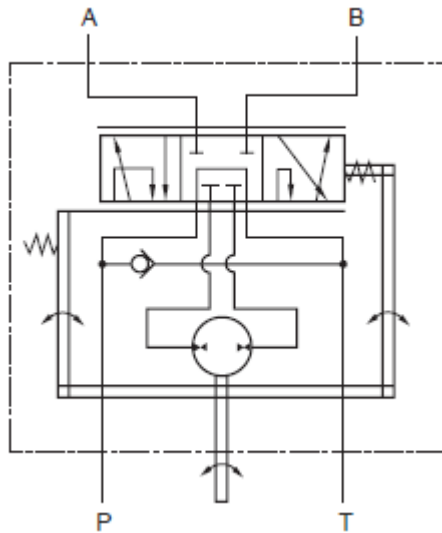
BHR Technical Data

TYPE	Displacement (ml/r)	Rated Flow (l/min)	Max.input Pressure (Mpa)	Max.Cont.Back Pressure (Mpa)	Normal Input Torque (N.m)	Length (mm)	Weight (Kg)
BHR1-50	50	5	17.5	2.5	<2.5	140	4.7
BHR1-63	63	6	17.5	2.5	<2.5	141	4.8
BHR1-80	80	8	17.5	2.5	<2.5	142	5.0
BHR1-100	100	10	17.5	2.5	<2.5	145	5.2
BHR1-125	125	13	17.5	2.5	<2.5	148	5.4
BHR1-160	160	16	17.5	2.5	<2.5	153	5.7
BHR1-200	200	20	17.5	2.5	<3	158	6
BHR1-250	250	25	17.5	2.5	<3	164	6.5
BHR1-280	280	28	17.5	2.5	<3	169	6.8
BHR1-315	315	32	17.5	2.5	<3	174	7.1
BHR1-400	400	40	17.5	2.5	<3	184	7.8
BHR1-500	500	50	17.5	2.5	<5	197	8.7
BHR1-630	630	60	16	2.5	<5	216	9.8
BHR1-800	800	75	16	2.5	<5	236	11
BHR1-1000	1000	75	16	2.5	<5	262	12.8

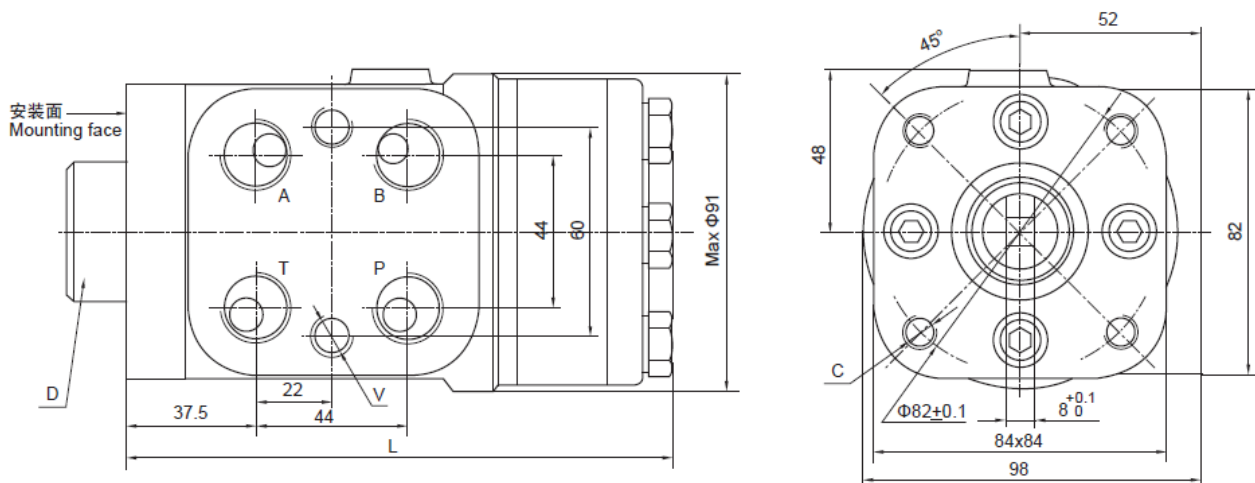
Hydraulic Steering Control Units

BHR Hydraulic Steering Control Units

BHR1 Open Center Non-reaction



BHR Dimensions and Mounting Data



Hydraulic Steering Control Units

BPB Hydraulic Steering Control Units

Introduction



BPB1, BPB2, BPB3 hydraulic steering control units has similar structure with BHR1, BHR2, BHR3, connecting dimension a little different, according to most European and US standard

BPB Technical Data

TYPE	Displacement (ml/r)	Rated Flow (l/min)	Max.input Pressure (Mpa)	Max.Cont.Back Pressure (Mpa)	Normal Input Torque (N.m)	Length (mm)	Weight (Kg)
BPB1-50	50	5	17.5	2.5	<2.5	131	5.4
BPB1-63	63	6	17.5	2.5	<2.5	133	5.5
BPB1-80	80	8	17.5	2.5	<2.5	135	5.6
BPB1-100	100	10	17.5	2.5	<2.5	138	5.7
BPB1-125	125	13	17.5	2.5	<2.5	141	5.9
BPB1-160	160	16	17.5	2.5	<2.5	146	6.0
BPB1-200	200	20	17.5	2.5	<3	151	6.2
BPB1-250	250	25	17.5	2.5	<3	157	6.5
BPB1-280	280	28	17.5	2.5	<3	162	6.6
BPB1-315	315	32	17.5	2.5	<3	167	6.9
BPB1-400	400	40	17.5	2.5	<3	177	7.2
BPB1-500	500	50	17.5	2.5	<5	197	8.0

Hydraulic Steering Control Units

BPBS Hydraulic Steering Control Units

Introduction



BPBS1, BPBS2 has similar dimension with BPB1, BPB2 with relief valve, shock valve, suction valve, inlet check valve integrated and different valves can be assembled freely, compact, more convenient, according to European and US standards.

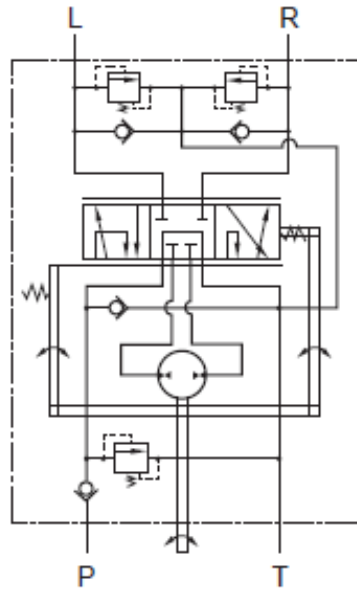
BPBS Technical Data

TYPE	Displacement (ml/r)	Rated Flow (l/min)	Max.input Pressure (Mpa)	Max.Cont.Back Pressure (Mpa)	Normal Input Torque (N.m)	Length (mm)	Weight (Kg)
BPBS1-50	50	5	17.5	2.5	<2.5	131	5.4
BPBS1-63	63	6	17.5	2.5	<2.5	133	5.5
BPBS1-80	80	8	17.5	2.5	<2.5	135	5.6
BPBS1-100	100	10	17.5	2.5	<2.5	138	5.7
BPBS1-125	125	13	17.5	2.5	<2.5	141	5.9
BPBS1-160	160	16	17.5	2.5	<2.5	146	6.0
BPBS1-200	200	20	17.5	2.5	<3	151	6.2
BPBS1-250	250	25	17.5	2.5	<3	157	6.5
BPBS1-280	280	28	17.5	2.5	<3	162	6.6
BPBS1-315	315	32	17.5	2.5	<3	167	6.9
BPBS1-400	400	40	17.5	2.5	<3	177	7.2

Hydraulic Steering Control Units

BPBS Hydraulic Steering Control Units

BPBS1 Open Center Non-reaction



BPBS Dimensions and Mounting Data

