



BMM 系列液压马达 BMM SERIES HYDRAULIC MOTOR

BMM series motor are small volume, economical type, which is designed with shaft distribution flow, which adapt the Gerotor gear set design and provide compact volume, high power and low weight.

Characteristic features:

- * Advanced manufacturing devices for the Gerotor gear set, which provide small volume, high efficiency and long life.
- * Shaft seal can bear high pressure of motor of which can be used in parallel or in series.
- * Advanced construction design, high power and low weight.

Main Specification

Type		BMM 8	BMM 12.5	BMM 20	BMM 32	BMM 40	BMM 50
Geometric displacement (cm ³ /rev.)		8.2	12.9	19.9	31.6	39.8	50.3
Max. speed (rpm)	cont.	1950	1550	1000	630	500	400
	int.	2450	1940	1250	800	630	500
Max. torque (N·m)	cont.	11	16	25	40	45	46
	int.	15	23	35	57	70	88
	peak	21	33	51	64	82	100
Max. output (kW)	cont.	1.8	2.4	2.4	2.4	2.2	1.8
	int.	2.6	3.2	3.2	3.2	3.2	3.2
Max. pressure drop (MPa)	cont.	10	10	10	10	9	7
	int.	14	14	14	14	14	14
	peak	20	20	20	16	16	16
Max. flow (L/min)	cont.	16	20	20	20	20	20
	int.	20	25	25	25	25	25
Weight (kg)		1.9	2	2.1	2.2	2.3	2.4

Type		Max.inlet pressure
BMM8-50 (MPa)	cont.	17.5
	int.	22.5

- * Continuous pressure:Max. value of operating motor continuously.
- * Intermittent pressure:Max. value of operating motor in 6 seconds per minute.
- * Peak pressure:Max. value of operating motor in 0.6 second per minute.



Hanjiu Hydraulic

石家庄寒九科技有限公司

SHIJIAZHUANG HANJIU TECHNOLOGY CO.,LTD



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Performance Data

BMM8 [8.2 cm³/rev.]

	Pressure (MPa)					
	3.5	5	7	10	12	14
Flow (L/min)	Max. cont.					
	3.5	5	7	10	12	14
2	228	218	206	156	111	58
4	474	471	463	426	391	331
8	953	946	926	884	855	816
12	1444	1426	1402	1360	1324	1288
15			4	7	10	14
20			1912	1900	1861	1833
25				6	10	14
Max. int.				2395	2350	2328
Max. int.					2281	

BMM12.5 [12.9 cm³/rev.]

	Pressure (MPa)					
	3.5	5	7	10	12	14
Flow (L/min)	Max. cont.					
	3.5	5	7	10	12	14
2	140	136	119	68	35	
4	296	289	274	229	200	145
8	605	596	583	543	514	469
12	912	905	895	859	834	784
15	1152	1144	1136	1102	1078	1036
20	1542	1532	1521	1500	1482	1437
25	1910	1891	1878	1848	1828	1788
Max. int.						
Max. int.						

BMM20 [19.9 cm³/rev.]

	Pressure (MPa)					
	1.7	3.5	5	7	10	12
Flow (L/min)	Max. cont.					
	1.7	3.5	5	7	10	12
2	99	96	89	74	42	21
4	197	191	182	178	134	112
8	398	395	391	377	340	319
12	596	594	588	579	545	523
15	745	741	738	728	695	684
20	998	995	991	985	962	916
25			4	9	14	23
Max. int.						
Max. int.						

BMM32 [31.6 cc/rev.]

	Pressure (MPa)					
	2	3.5	5	7	10	12
Flow (L/min)	Max. cont.					
	2	3.5	5	7	10	12
2	61	57	52	47	16	
4	126	121	114	106	82	67
8	250	244	239	231	207	194
12	378	374	369	362	338	322
15	476	472	468	462	441	429
20	633	630	627	619	601	585
25	791	789	787	783	766	753
Max. int.						
Max. int.						

BMM40 [39.8 cm³/rev.]

	Pressure (MPa)					
	3	5	7	8.5	10	12
Flow (L/min)	Max. cont.					
	3	5	7	8.5	10	12
2	45	40	34	28	17	
4	96	93	85	79	65	52
8	197	195	182	176	166	154
12	293	287	282	277	268	257
15	371	365	360	355	347	338
20	497	492	487	480	472	463
25	622	617	612	607	600	591
Max. int.						
Max. int.						

BMM50 [50.3 cm³/rev.]

	Pressure (MPa)				
	1.5	3	5	7	10
Flow (L/min)	Max. cont.				
	1.5	3	5	7	10
2	37	33	27	22	
4	76	73	68	63	55
8	157	154	149	145	137
12	237	234	231	226	218
15	296	295	294	288	282
20	395	395	393	390	381
25	498	496	494	490	484
Max. int.					
Max. int.					

Torque (N·m) 37
Speed (rpm) 607

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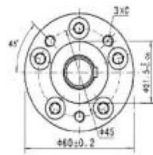
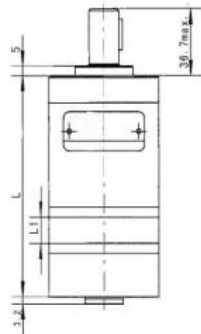
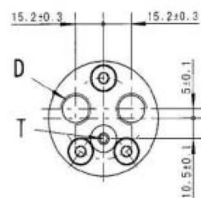
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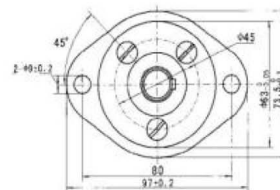
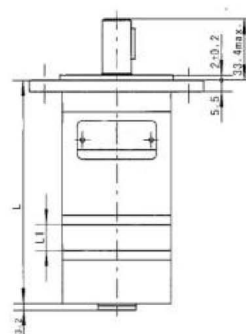
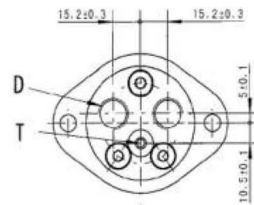
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BMM END PORT DIMENSIONS AND MOUNTING DATA MOUNTING

Flange M、U



Flange F



Model	M、U Flange		F Flange	
	L	L1	L	L1
BMM8	104	3.5	107.5	3.5
BMM12.5	106	5.5	109.5	5.5
BMM20	109	8.5	112.5	8.5
BMM32	114	13.5	117.5	13.5
BMM40	117.5	17	121	17
BMM50	122	21.5	125.5	21.5

Code Mounting	M、U Flange		F Flange	
	1E (depth)	1U (depth)	1E (depth)	1U (depth)
C	3-M6 (10)	3-1/4-28UNF-2B(10)	--	--
D	G3/8 (12)	9/16-18UNF(12)	G3/8 (12)	9/16-18UNF(12)
T	G1/8 (8)	3/8-24UNF(8)	G1/8 (8)	3/8-24UNF(8)

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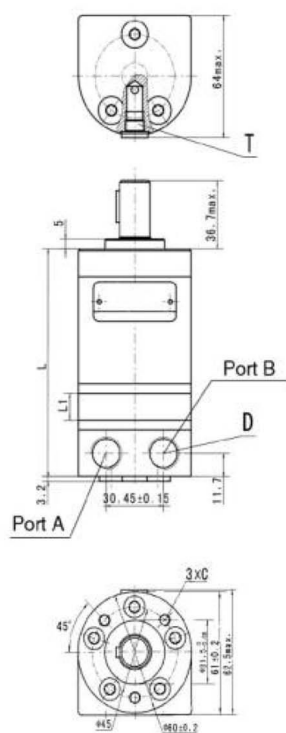
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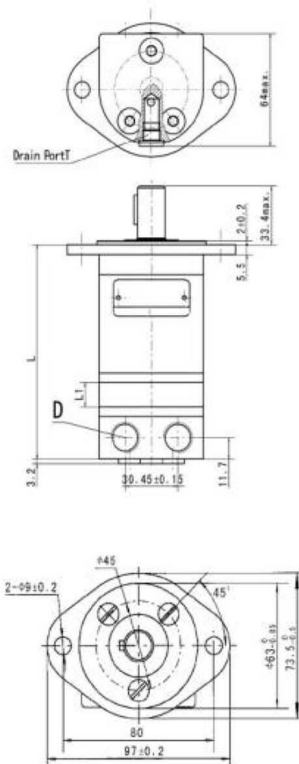
BMM SIDE PORT DIMENSIONS AND MOUNTING DATA

MOUNTING

Flange M, U



Flange F



	M, U Flange		F Flange	
Model	L	L1	L	L1
BMM8	105	3.5	108.5	3.5
BMM12.5	107	5.5	110.5	5.5
BMM20	110	8.5	113.5	8.5
BMM32	115	13.5	118.5	13.5
BMM40	118.5	17	122	17
BMM50	123	21.5	126.5	21.5

		M、 U Flange		F Flange	
Code Mounting		E (depth)	U (depth)	E (depth)	U (depth)
	C	3-M6 (10)	3-1/4-28UNF-2B(10)	--	--
D		G3/8 (12)	9/16-18UNF(12)	G3/8 (12)	9/16-18UNF(12)
T		G1/8 (8)	3/8-24UNF(8)	G1/8 (8)	3/8-24UNF(8)



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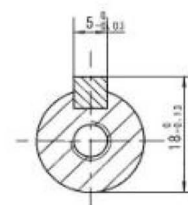
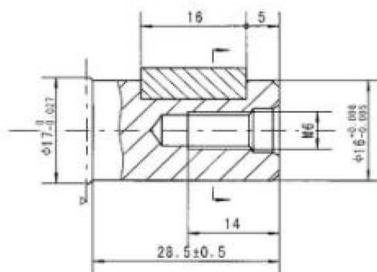
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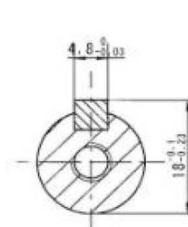
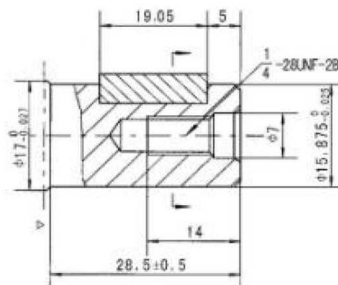
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BMM SERIES HYDRAULIC MOTOR

BMM SHAFT EXTENSIONS FOR BMM MOTORS

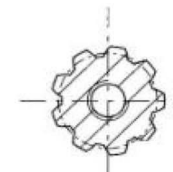
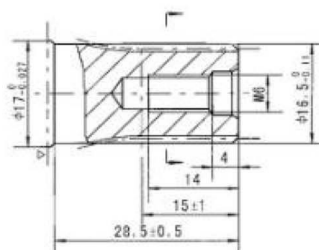
Shaft A: Cylindrical shaft $\varnothing 16$
Parallel key 5x5x16



Shaft B: Cylindrical shaft $\varnothing 15.875$
Parallel key 4.8x4.8x19.05



Shaft C: Involute splind shaft
B17x14 DIN5482



▷ Motor Mounting Surface

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