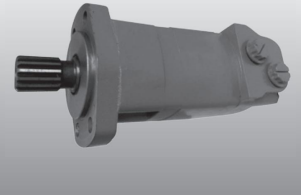


# Hydraulus



## Model BMK2

BMK2 new series motor adapt the advanced Geroler gear set designed with disc distribution flow and high pressure. The unit can be supplied the individual variant in operating multifunction in accordance with requirement of applications.

### Characteristic features:

- \* Advanced manufacturing devices for the Geroler gear set, which use low pressure of start-up, provide smooth and reliable operation and high efficiency.
- \* The output shaft adapts in tapered roller bearings that permit high axial and radial forces. The case can offers capacities of high pressure and high torque in the wide of applications.
- \* Advanced design in disc distribution flow, which can automatically compensate in operating with high volume efficiency and long life , provide smooth and reliable operation.
- \* The new series motor is suitable for vehicles with greater loads and pressure drop.

### Main Specification

Type		BMK2 65	BMK2 80	BMK2 100	BMK2 125	BMK2 160	BMK2 200	BMK2 250	BMK2 315	BMK2 400	BMK2 475	
Geometric displacement	(cm <sup>3</sup> /rev.)	65	80	100.9	129.8	156.8	193.4	242.5	304.3	390.8	485	
Max.speed	(rpm)	cont.	835	800	742	576	477	385	308	246	191	153
		int.	990	980	924	720	713	577	462	365	287	230
Max.torque	(N•m)	cont.	185	235	295	385	455	540	660	765	775	845
		int.	245	345	445	560	570	665	820	885	925	930
Max.pressure drop	(MPa)	cont.	20.5	21	21	21	20.5	20.5	20.5	21	15.5	12
		int.	27.5	31	31	31	26	26	26	24	17	14
		peak.	31	31	31	31	31	31	31	31	20.5	17
Max.flow	(L/min)	cont.	55	65	75	75	75	75	75	75	75	75
		int.	65	80	95	95	115	115	115	115	115	115
Weight	(kg)	9.2	9.4	9.7	10	10.2	10.5	11	11.5	12	12.4	

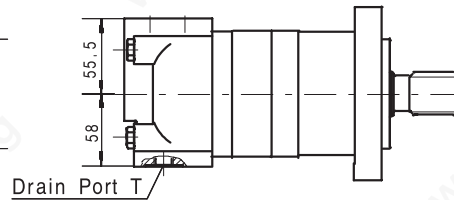
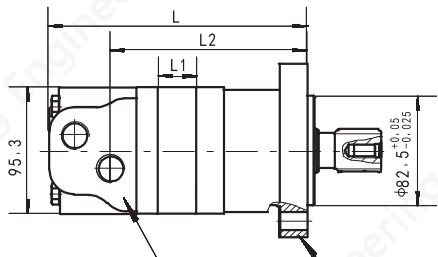
- \* Continuous pressure:Max.value of operating motor continuously.
- \* Intermittent pressure:Max.value of operating motor in 6 seconds per minute .
- \* Peak pressure:Max.value of operating motor in 0.6 second per minute.

### Order Information

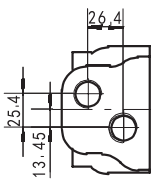
1	2	3	4	5	6	7	8
BMK2							

2	3		4		5		6		7		8	
Disp.	Flange		Output Shaft		Port and Drain Port		Rotation Direction		Paint		Unusually Function	
65	E2	2×Φ13.5 Rhomb-flange Φ106.4, pilot Φ82.5×6.4	A	Shaft Φ25 , parllel key 8×7×32	DB	G1/2,G1/4	Omit	Standard	00	No paint	Omit	Standard
80			B	Shaft Φ32 , parllel key 10×8×45								
100			K	Shaft Φ25.4 , Woodruff key Φ25.4×6.35								
125	E4	4×Φ13.5 Rhomb-flange Φ106.4, pilot Φ82.5×6.4	G	Shaft Φ31.75 , parllel key 7.96×7.96×31.75	SB	7/8-14UNF O-ring,G1/4	R	Opposite	B	Blue	F	Free Running
160			FE	Shaft Φ31.75 , splined 14-DP12/24	SU	7/8-14UNF O-ring,7/16-20 UNF						
200	E6	4×Φ13.5 Rhomb-flange Φ106.4, pilot Φ82.5×6.4	S1	Shaft Φ25.4 ,splined SAE 6B	M4	M22×1.5,M14×1.5			S	Silver		
250			I	Sub-shaft Φ22 , splined 13-DP16/32	MU	1/2",5/8"Crosshole Manifold 3×3/8- 16UNC,7/16-20UNF						
315	WE	4×Φ13.6Wheel-flangeΦ147.6, pilot Φ107.95×6.4	T4	Cone-shaft Φ31.75 , parllel key 7.96×7.96×25.4	MM	1/2",5/8"Crosshole Manifold 3×M10,G1/4						
400												
475												

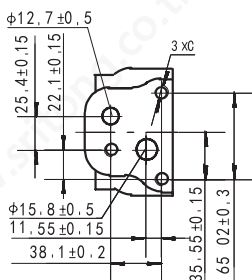
# BMK2 DIMENSIONS & MOUNTING DATA



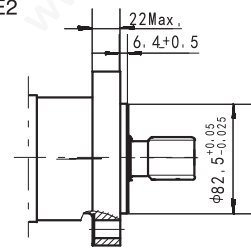
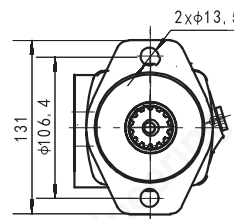
Porting  
DB, DU, SU, SB, M4



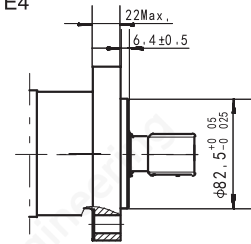
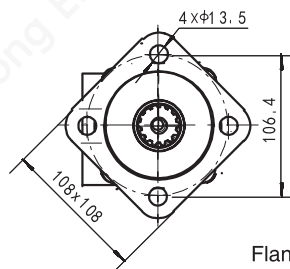
Porting MU, MM



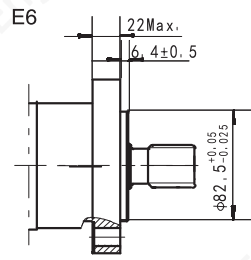
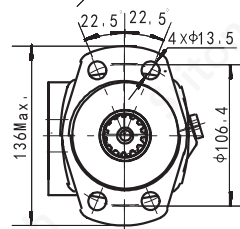
Flange E2



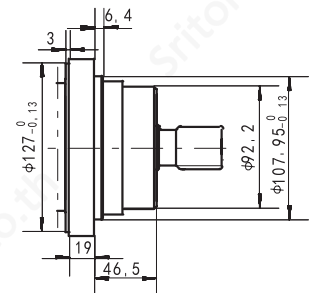
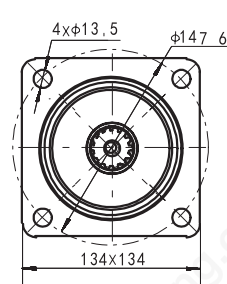
Flange E4



Flange E6



Flange WE



Model	L	L1	L2
BMK2-65	182	14.5	133.5
BMK2-80	185	17.8	136.5
BMK2-100	189.5	22.5	141.5
BMK2-125	196	28.9	148
BMK2-160	196	28.9	148
BMK2-200	202.5	35.6	154.5
BMK2-250	211.5	44.6	163.5
BMK2-315	223	56	175
BMK2-400	239	72	191
BMK2-475	256.5	89.3	208.5

Model	L	L1	L2
BMK2-65-WE	142	14.5	93.5
BMK2-80-WE	145.5	17.8	97
BMK2-100-WE	150	22.5	101.5
BMK2-125-WE	156.5	28.9	108
BMK2-160-WE	156.5	28.9	108
BMK2-200-WE	163	35.6	114.5
BMK2-250-WE	172	44.6	123.5
BMK2-315-WE	183.5	56	135
BMK2-400-WE	199.5	72	151
BMK2-475-WE	217	89.3	168.5

Code Mounting	DB (Depth)	DU (Depth)	SU (Depth)	SB (Depth)	M4 (Depth)	MU	MM
P(A,B)	G1/2 (15)	G1/2 (15)	7/8-14 O-ring (17)	7/8-14 O-ring (17)	M22 x 1.5 (15)	$\phi 12.7$ , $\phi 15.8$	$\phi 12.7$ , $\phi 15.8$
T	G1/4 (12)	7/16-20UNF(12)	7/16-20UNF(12)	G1/4 (12)	M14 x 1.5 (12)	7/16-20UNF(12)	G1/4 (12)
C			--			3/8-16UNC(15)	M10(15)