

BMK6 Series hydraulic orbit motor



BMK6-Replace with Eaton 6000 SERIES

Parameters

Type		BMK6-200	BMK6-250	BMK6-315	BMK6-400	BMK6-500	BMK6-630	BMK6-800	BMK6-1000
Displacement		195.6	246.1	311.6	391.3	490.8	623	802.4	981.6
Max. speed (rpm)	cont.	765	610	480	382	304	240	186	152
	int.	865	830	690	570	455	360	280	230
Max. torque (N•m)	cont.	565	710	920	1160	1445	1480	1580	1675
	int.	840	1080	1325	1625	1880	1890	1880	1860
Max. pressure drop (MPa)	cont.	20	20	20	20	20	17.5	14	14
	int.	30	30	30	30	27.5	22.5	15.5	14
	peak	30	30	30	30	30	24	17.5	17
Max. flow (L/min)	cont.	150	150	150	150	150	150	150	150
	int.	170	205	225	225	225	225	225	225
Weight	(Kg)	26.3	26.8	27.3	28	28.8	29.6	30.5	32

Selection

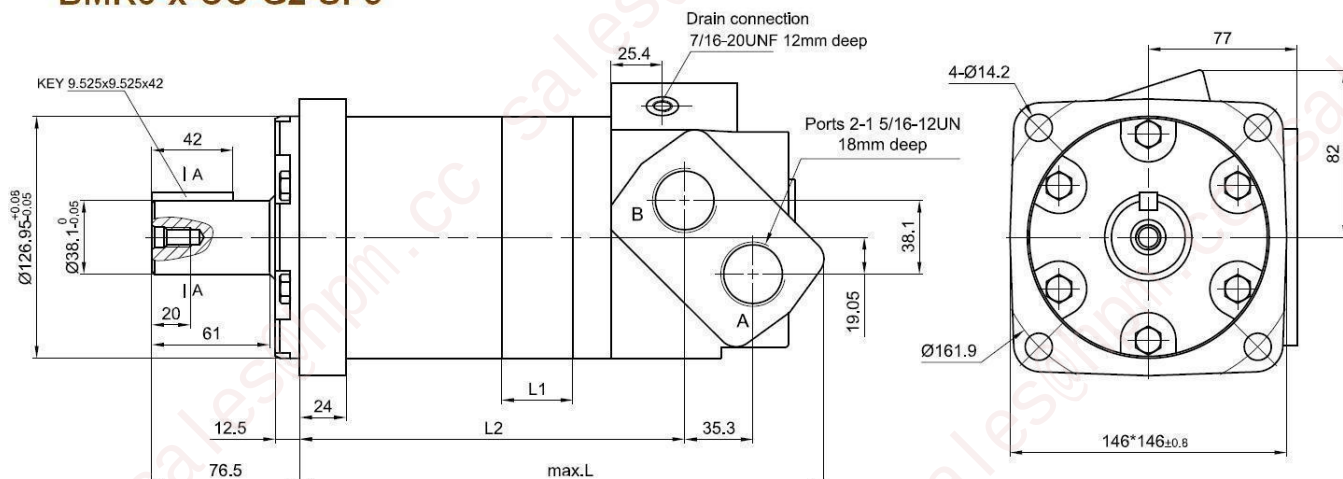
1	2	3	4
Series	Displacement	Flange&Ports	Output shaft
BMK6	200	Code CC: 4-Ø14.2 Square-flange Ø161.9, Pilot Ø127*12.5 (Eaton AB) Code CC1: 4-Ø14.2 Square-flange Ø161.9, Pilot Ø125*12.5 Code W: 4-Ø14.2 Wheel-flange Ø170, Pilot Ø184.12 (Eaton AC) Code J6: 4-Ø18 Square-flange Ø200, Pilot Ø160*8 (Eaton AH)	Code G2: Ø38.1, Parallel key 9.52×9.52×57.15 Code FE: Ø38.1, Splined shaft 17-DP 12/24 Code Y1: Ø40, Parallel key 12×8×45 Code T1: Ø45 Tapered shaft, Parallel key 31.75 Code H: Ø42 Splined long shaft 8-42×36×7 Code H1: Ø42 Splined Short shaft 8-42×36×7 Code P: Ø40 Splined shaft 6-40×35×10 Code P1: Ø35 Splined shaft 6-35×29×10 Code A: Ø50, Parallel key 14×9×7
	250		
	315		
	400		
	500		
	630		
	800		
	1000		
5	6	7	8
Port and drain port	Rotation direction	Paint	Unusually function
Code SF: 3/4" Manifold mount 8×3/8-16UNC, 7/16-20UNF Code SF0: Ø16 Manifold mount 4×M12, M14×1.5 Code SF5: 1-5/16-12UN, 7/16-20UNF Code F6: M33×2, M14×1.5 Code SF7: G1, G1/4 Code SF8: G3/4, G1/4	Omit: Standard Code R: Opposite	Omit: Blue Code 00: No paint Code B: Black Code S: Silver Grey	Omit: Standard

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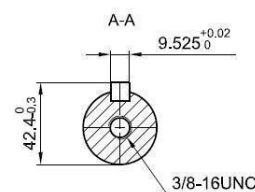


Popular model drawing

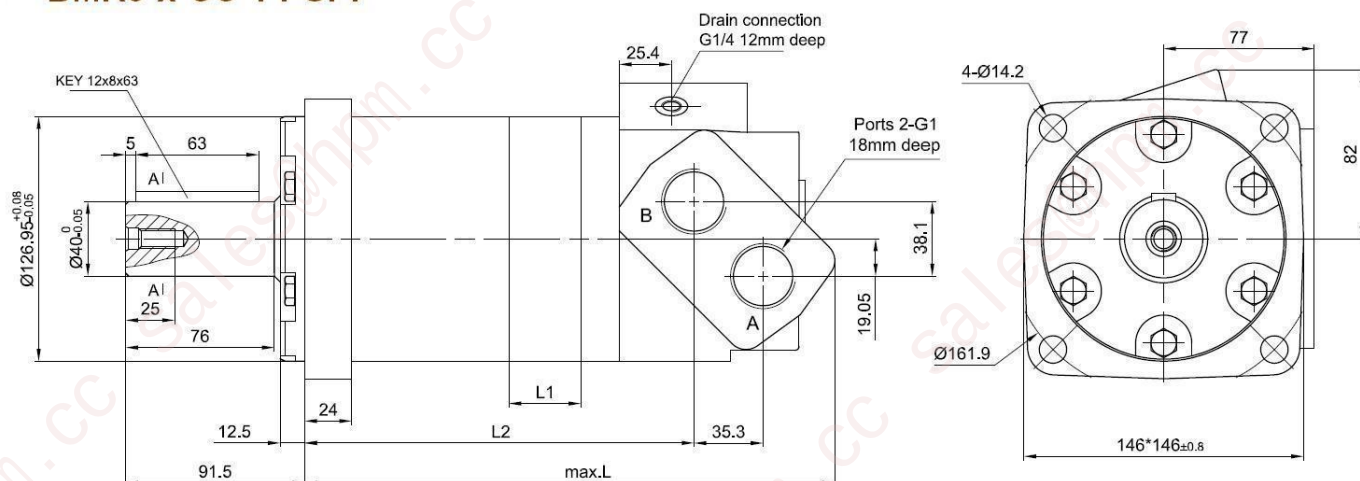
BMK6-x-CC-G2-SF5



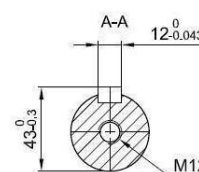
HPM Model	EATON Model	L mm	L1 mm	L2 mm
BMK6-200-CC-G2-SF5	112-1064(M06 120AB01AA***)	265	21.7	187.5
BMK6-250-CC-G2-SF5	112-1065(M06 150AB01AA***)	271	27.3	193.1
BMK6-315-CC-G2-SF5	112-1066(M06 190AB01AA***)	278	34.4	200.3
BMK6-400-CC-G2-SF5	112-1067(M06 239AB01AA***)	287	43.4	209.2
BMK6-500-CC-G2-SF5	112-1068(M06 300AB01AA***)	298	54.4	220.2
BMK6-630-CC-G2-SF5	112-1107(M06 381AB01AA***)	313	69.1	234.9
BMK6-800-CC-G2-SF5		333	89	254.8
BMK6-1000-CC-G2-SF5	112-1069(M06 600AB01AA***)	353	108.9	274.7



BMK6-x-CC-Y1-SF7



HPM Model	EATON Model	L mm	L1 mm	L2 mm
BMK6-200-CC-Y1-SF7	112-1094(M06 120AB04AC***)	265	21.7	187.5
BMK6-250-CC-Y1-SF7	112-1095(M06 150AB04AC***)	271	27.3	193.1
BMK6-315-CC-Y1-SF7	112-1096(M06 190AB04AC***)	278	34.4	200.3
BMK6-400-CC-Y1-SF7	112-1097(M06 239AB04AC***)	287	43.4	209.2
BMK6-500-CC-Y1-SF7	112-1098(M06 300AB04AC***)	298	54.4	220.2
BMK6-630-CC-Y1-SF7		313	69.1	234.9
BMK6-800-CC-Y1-SF7		333	89	254.8
BMK6-1000-CC-Y1-SF7	112-1099(M06 600AB04AC***)	353	108.9	274.7

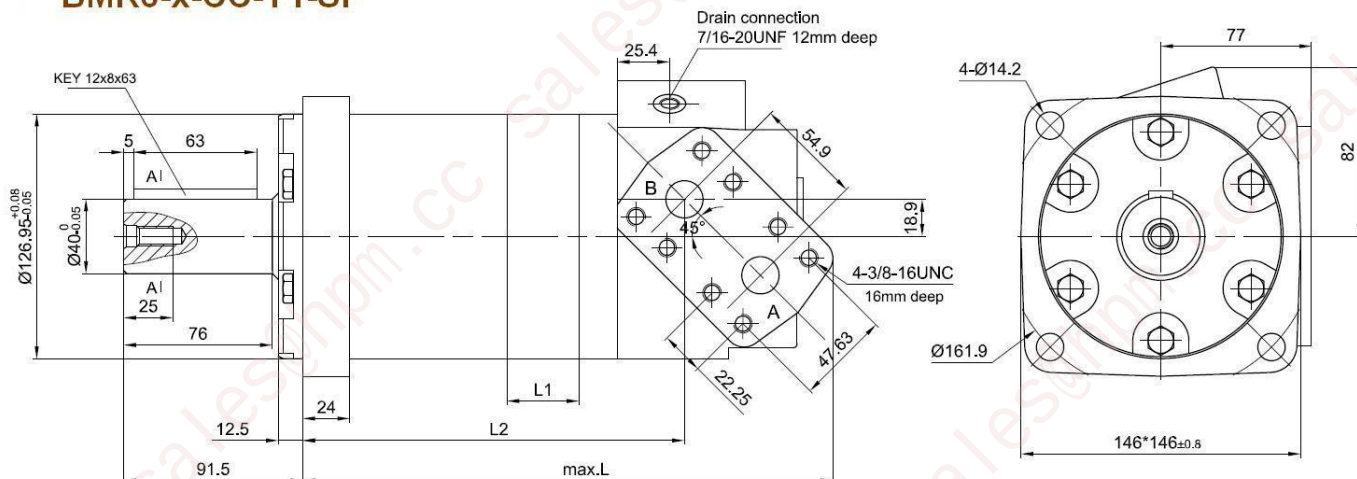


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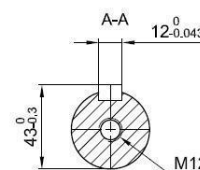


Popular model drawing

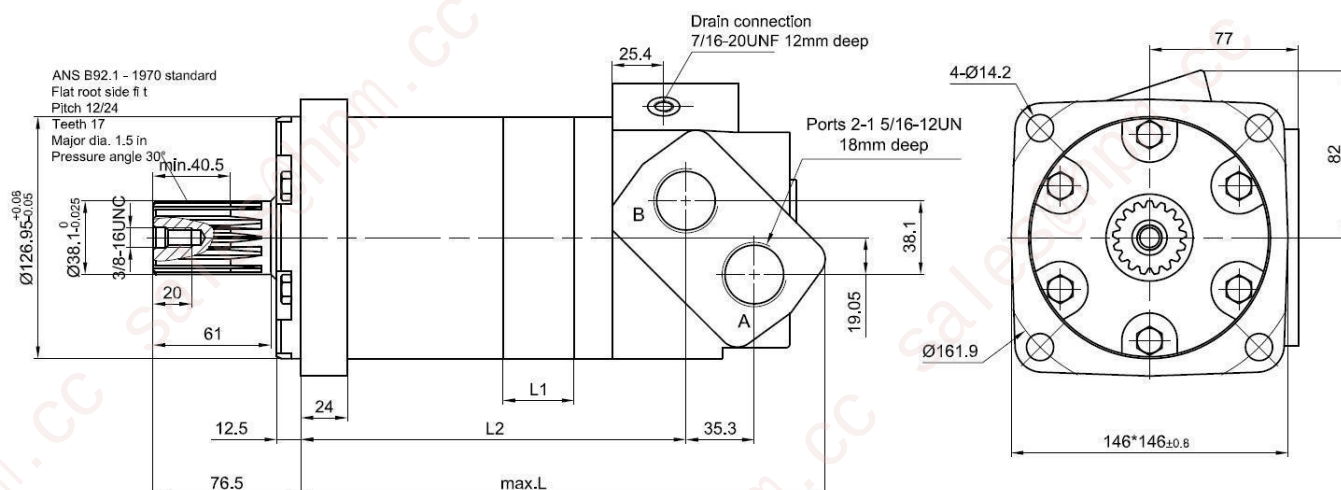
BMK6-x-CC-Y1-SF



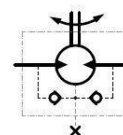
HPM Model	EATON Model	L mm	L1 mm	L2 mm
BMK6-200-CC-Y1-SF	M06 120AB04AB*****	265	21.7	187.5
BMK6-250-CC-Y1-SF	M06 150AB04AB*****	271	27.3	193.1
BMK6-315-CC-Y1-SF	M06 190AB04AB*****	278	34.4	200.3
BMK6-400-CC-Y1-SF	M06 239AB04AB*****	287	43.4	209.2
BMK6-500-CC-Y1-SF	M06 300AB04AB*****	298	54.4	220.2
BMK6-630-CC-Y1-SF	M06 381AB04AB*****	313	69.1	234.9
BMK6-800-CC-Y1-SF	M06 490AB04AB*****	333	89	254.8
BMK6-1000-CC-Y1-SF	M06 600AB04AB*****	353	108.9	274.7



BMK6-x-CC-FE-SF5



HPM Model	EATON Model	L mm	L1 mm	L2 mm
BMK6-200-CC-FE-SF5	112-1058 (M06 120AB03AA***)	265	21.7	187.5
BMK6-250-CC-FE-SF5	112-1059 (M06 150AB03AA***)	271	27.3	193.1
BMK6-315-CC-FE-SF5	112-1060 (M06 190AB03AA***)	278	34.4	200.3
BMK6-400-CC-FE-SF5	112-1061 (M06 239AB03AA***)	287	43.4	209.2
BMK6-500-CC-FE-SF5	112-1062 (M06 300AB03AA***)	298	54.4	220.2
BMK6-630-CC-FE-SF5	112-1109 (M06 381AB03AA***)	313	69.1	234.9
BMK6-800-CC-FE-SF5		333	89	254.8
BMK6-1000-CC-FE-SF5	112-1063 (M06600AB03AA***)	353	108.9	274.7

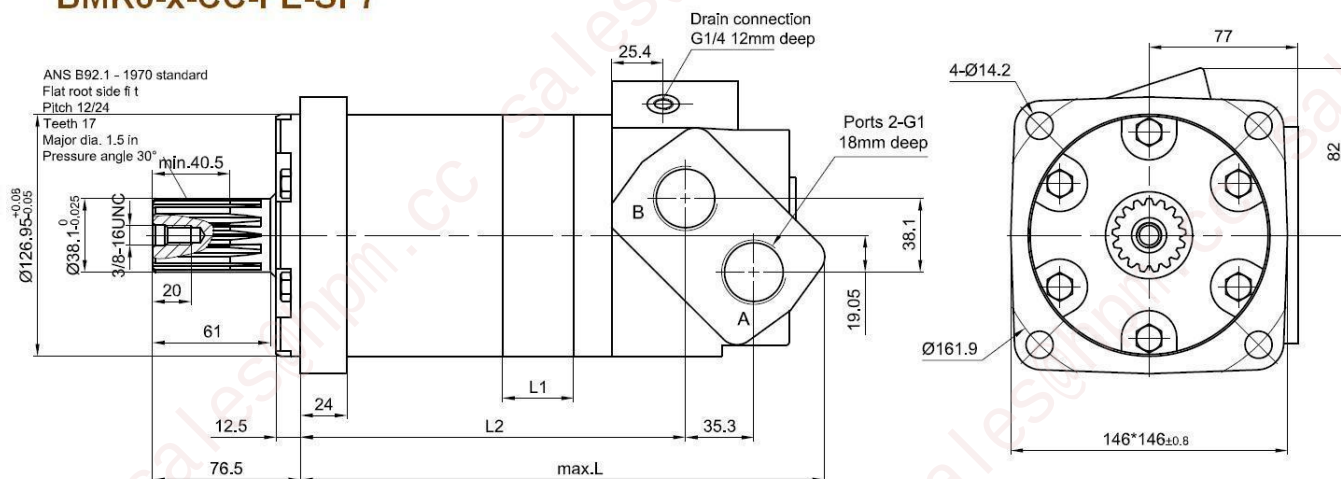


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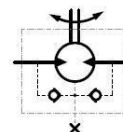


Popular model drawing

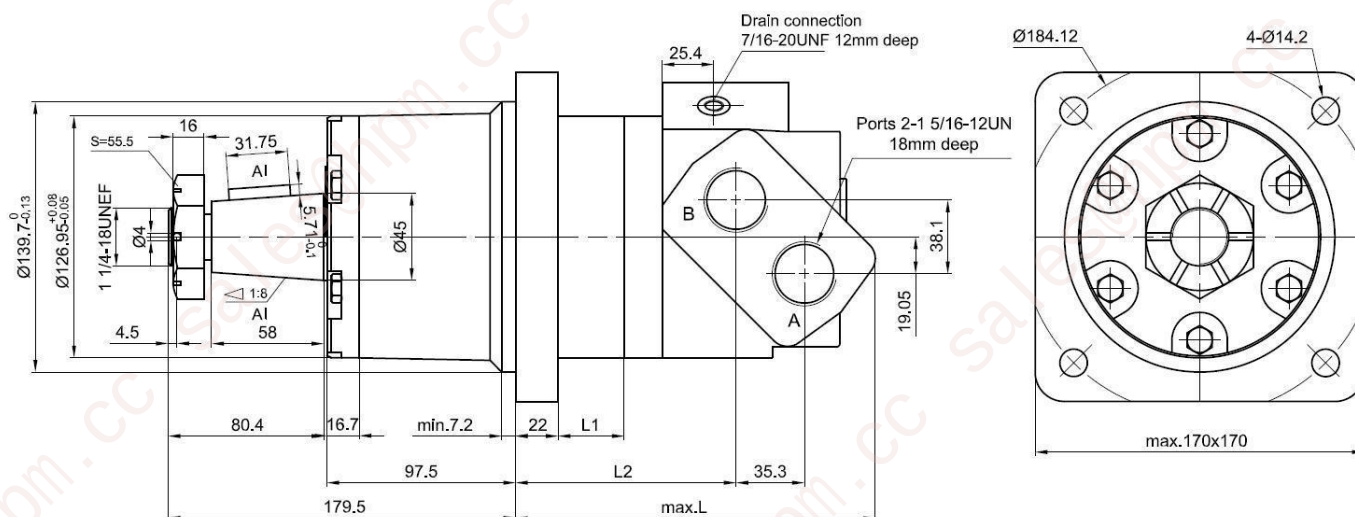
BMK6-x-CC-FE-SF7



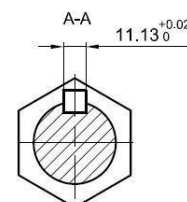
HPM Model	EATON Model	L mm	L1 mm	L2 mm
BMK6-200-CC-FE-SF7	112-1088 (M06 120AB03AC***)	265	21.7	187.5
BMK6-250-CC-FE-SF7	112-1089 (M06 150AB03AC***)	271	27.3	193.1
BMK6-315-CC-FE-SF7	112-1090 (M06 190AB03AC***)	278	34.4	200.3
BMK6-400-CC-FE-SF7	112-1091 (M06 239AB03AC***)	287	43.4	209.2
BMK6-500-CC-FE-SF7	112-1092 (M06 300AB03AC***)	298	54.4	220.2
BMK6-630-CC-FE-SF7		313	69.1	234.9
BMK6-800-CC-FE-SF7		333	89	254.8
BMK6-1000-CC-FE-SF7	112-1093 (M06 600AB03AC***)	353	108.9	274.7



BMK6-x-W-T1-SF5



HPM Model	EATON Model	L mm	L1 mm	L2 mm
BMK6-200-W-T1-SF5	113-1070(M06 120AC02AA***)	179	21.7	102.5
BMK6-250-W-T1-SF5	113-1071(M06 150AC02AA***)	185	27.3	108
BMK6-315-W-T1-SF5	113-1072(M06 190AC02AA***)	192	34.4	115.5
BMK6-400-W-T1-SF5	113-1073(M06 239AC02AA***)	201	43.4	124.5
BMK6-500-W-T1-SF5	113-1074(M06 300AC02AA***)	212	54.4	135.5
BMK6-630-W-T1-SF5	113-1093(M06 381AC02AA***)	226.7	69.1	150.2
BMK6-800-W-T1-SF5		246.5	89	170
BMK6-1000-W-T1-SF5	113-1075(M06 600AC02AA***)	266.5	108.9	190

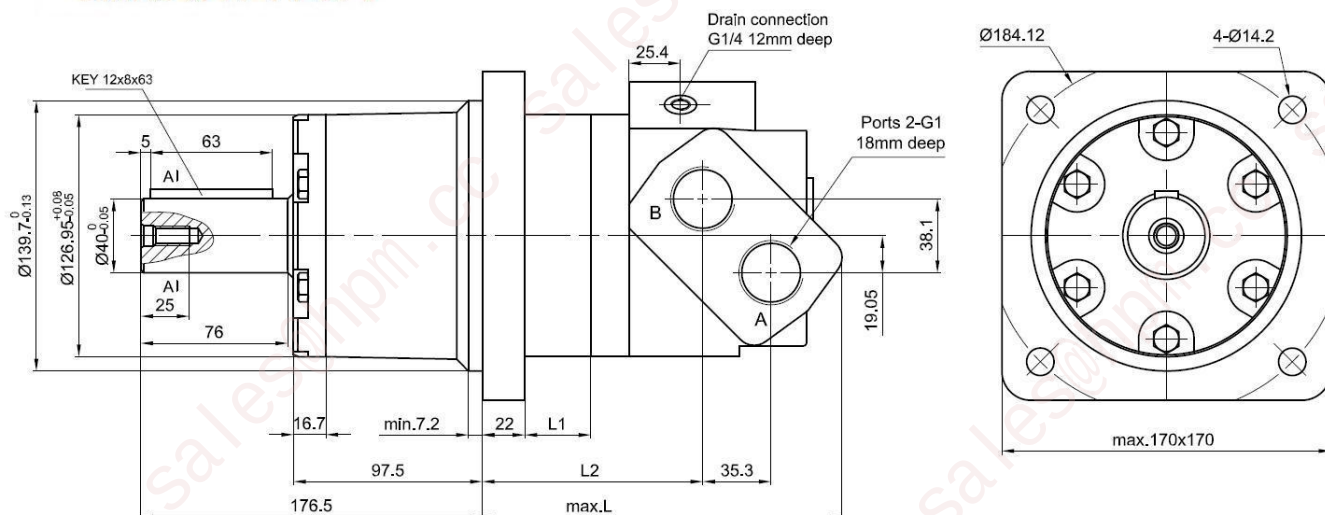


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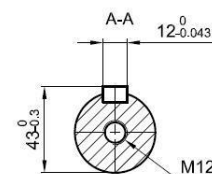


Popular model drawing

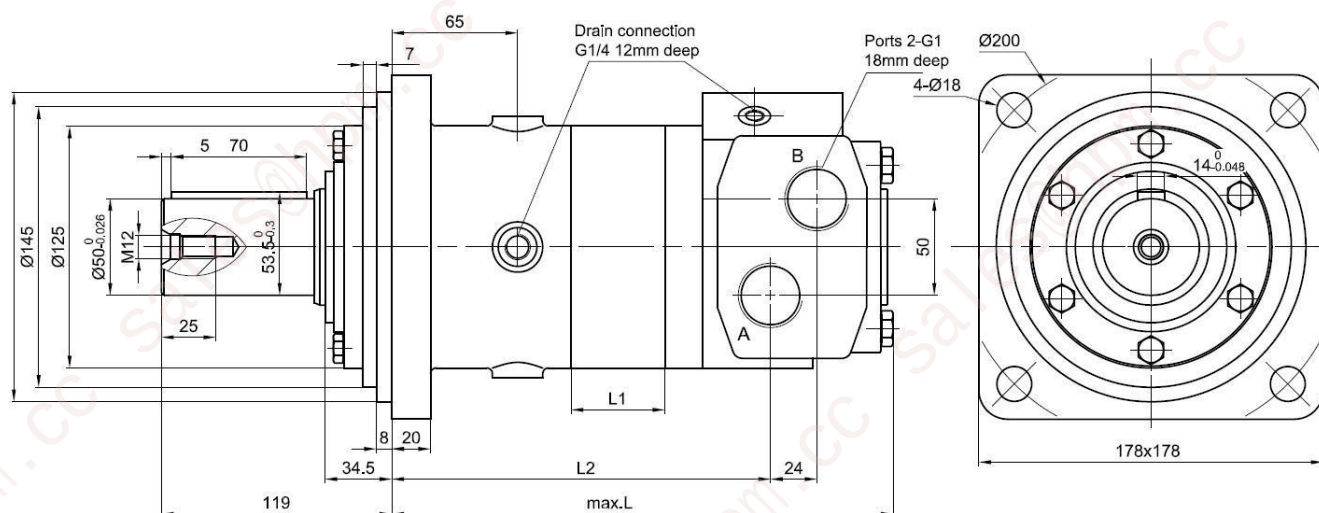
BMK6-x-W-Y1-SF7



HPM Model	EATON Model	L mm	L1 mm	L2 mm
BMK6-200-W-Y1-SF7	113-1082(M06 120AC04AC***)	179	21.7	102.5
BMK6-250-W-Y1-SF7	113-1083(M06 150AC04AC***)	185	27.3	108
BMK6-315-W-Y1-SF7	113-1084(M06 190AC04AC***)	192	34.4	115.5
BMK6-400-W-Y1-SF7	113-1085(M06 239AC04AC***)	201	43.4	124.5
BMK6-500-W-Y1-SF7	113-1086(M06 300AC04AC***)	212	54.4	135.5
BMK6-630-W-Y1-SF7	113-1100(M06 381AC04AC***)	226.7	69.1	150.2
BMK6-800-W-Y1-SF7		246.5	89	170
BMK6-1000-W-Y1-SF7	113-1087(M06 600AC04AC***)	266.5	108.9	190



BMK6-x-J6-A-SF7



HPM Model	EATON Model	L mm	L1 mm	L2 mm
BMK6-200-J6-A-SF7		265	21.7	187.5
BMK6-250-J6-A-SF7		271	27.3	193.1
BMK6-315-J6-A-SF7	112-1217(M06190AH12AC***)	278	34.4	200.3
BMK6-400-J6-A-SF7	112-1218(M06 239AH12AC***)	287	43.4	209.2
BMK6-500-J6-A-SF7	112-1215(M06 300AH12AC***)	298	54.4	220.2
BMK6-630-J6-A-SF7	112-1216(M06 381AH12AC***)	313	69.1	234.9
BMK6-800-J6-A-SF7	112-1219(M06 490AH12AC***)	333	89	254.8
BMK6-1000-J6-A-SF7	112-1220(M06 600AH12AC***)	353	108.9	274.7

