

BMER Series hydraulic orbit motor



BMER-2 :Replace with WHITE RE 500/501, PARKER TG /TF

BMER-3 :Replace with WHITE RE 530/531

BMER-4:Replace with WHITE RE 520/521

Parameters

Type		BMER-125	BMER-160	BMER-200	BMER-230	BMER-250	BMER-300	BMER-350	BMER-375	BMER-475	BMER-540	BMER-750
Displacement		118	156	330	228	257	296	345	371	462	140	745
Max. speed (rpm)	cont.	360	375	425	290	290	250	220	200	160	170	100
	int.	490	470	530	365	350	315	270	240	195	980	120
Max. torque (N•m)	cont.	325	450	530	625	700	810	905	990	1085	980	1050
	int.	380	525	600	710	790	930	1035	1140	1180	1240	1180
	peak	450	590	750	870	980	1120	1285	1360	1260	1380	1370
Max. output (kW)	cont.	12	15	15.5	16	17.5	18	17.5	16.5	14.5	11.5	8
	int.	14	17.5	18	19	20	21	20	19	16.5	15	10
Max.pressure drop (MPa)	cont.	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.5	14	10.5
	int.	24	24	24	24	24	24	24	24	19	17.5	12
	peak	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	20.5	20.5	14
Max. flow (L/min)	cont.	45	60	70	70	75	80	80	75	75	75	75
	int.	60	75	85	85	90	95	95	90	90	90	90

Selection

1	2	3	4
Series	Displacement	Flange&Ports	Output shaft
BMER-2	125	Code MS: 4- Ø13.5 Magneto Mount , pilot Ø82.55×2.8 port 7/8-14 O-ring	Code AW: Ø25 , Parallel key 8×7×32
	160	Code MP: 4-Ø13.5 Magneto Mount, pilot Ø82.55×2.8 port 1/2 -14NPTF	Code B1: Ø32 , Parallel key 10×8×45
	200	Code MD: 4-Ø13.5 Magneto Mount, pilot Ø82.55×2.8 port G1/2	Code G2: Ø31.75,Parallel key 7.95×7.95×31.75
	230	Code FS 6-Ø13.5 Magneto Mount , pilot Ø82.5×2.8 port 7/8-14 O-ring	Code T4: Ø31.75 Cone shaft, Splined key 7.96×7.96×25.4
	250	Code FD: 6-Ø13.5 Magneto Mount , pilot Ø82.55×2.8 port G1/2	Code RW: Ø25.4,Parallel key 6.35×6.35×31.75
	300	Code FH: 6-Ø13.5 Magneto Mount , pilot Ø82.55×2.8 port G1/2 Manifold ports 1/2	Code SW: Ø25.4,Splined key SAE 6B
	350	Code WS: 4-Ø13.5 Wheel Mount , pilot Ø82.55×5 port 7/8-14 O-ring	Code FD1: Ø31.75 Shaft , Splined key 14-DP12/24
	375	Code WP: 4-Ø13.5 Wheel Mount , pilot Ø82.55×5 port 1/2 -14NPTF	
	475	Code WD: 4-Ø13.5 Wheel Mount,Pilot Ø82.55×5 port G1/2	
	540	Code WG: 4-Ø13.5 Wheel Mount,Pilot Ø82.55×5 port M22*1.5	
745			
5	6	7	8
Rotation	Paint	Unusually function	Others
Omit: Standard Code R: Opposite	Omit:Blue Code 00: No paint Code B:Black Code S:Silver Grey	Omit:Standard Code 0:No case drain Code N:Big radial force Code F:Free running Code LS:Low speed	OEM

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Selection

1	2	3	4
Series	Displacement	Flange&Ports	Output shaft
BMER-3	230	Code WS: 4-Ø13.5 Wheel Mount , pilot Ø82.55×5 port 7/8-14 O-ring	Code M31: Ø35 , Parallel key 10×8×45
	250	Code WP: 4-Ø13.5 Wheel Mount , pilot Ø82.55×5 port 1/2 -14NPTF	Code T31: Ø38.1 , Parallel key 7.96×7.96×36.5
	300	Code WD: 4-Ø13.5 Wheel Mount,Pilot Ø82.55×5 port G1/2	Code G31: Ø38.1,Parallel key 9.53×9.53×42
	350	Code WG: 4-Ø13.5 Wheel Mount,Pilot Ø82.55×5 port M22*1.5	
	375		
	400		
5	6	7	8
Rotation direction	Paint	Unusually function	Others
Omit: Standard Code R: Opposite	Omit: Blue Code 00: No paint Code B: Black Code S: Silver Grey	Omit: Standard Code 0: No case drain Code N: Big radial force Code F: Free running Code LS: Low speed	OEM

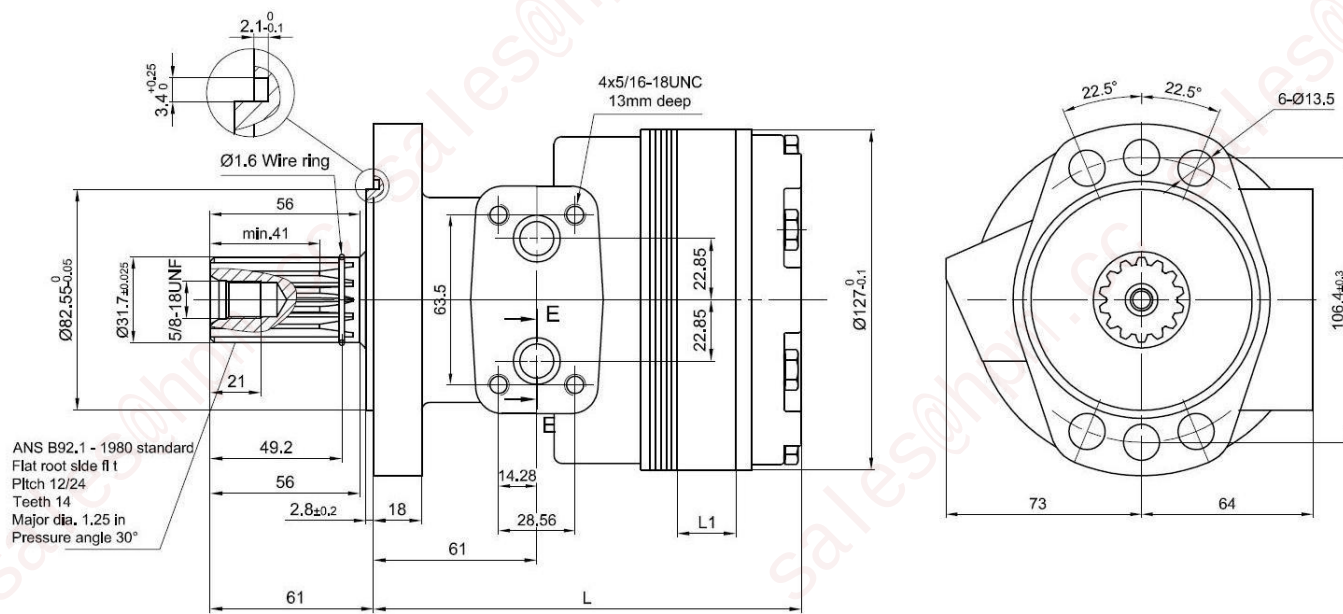
1	2	3	4
Series	Displacement	Flange&Ports	Output shaft
BMER-4	250	Code WS: 4-Ø13.5 Wheel Mount , pilot Ø82.55×5 port 7/8-14 O-ring	Code AW: Ø25 , Parallel key 8×7×32 Code B1: Ø32 , Parallel key 10×8×45 Code G2: Ø31.75,Parallel key 7.95×7.95×31.75
	300	Code WP: 4-Ø13.5 Wheel Mount , pilot Ø82.55×5 port 1/2 -14NPTF	Code T4: Ø31.75 Cone shaft, Splined key 7.96×7.96×25.4
	350	Code WD: 4-Ø13.5 Wheel Mount,Pilot Ø82.55×5 port G1/2	Code RW: Ø25.4,Parallel key 6.35×6.35×31.75
	375	Code WG: 4-Ø13.5 Wheel Mount,Pilot Ø82.55×5 port M22*1.5	Code SW: Ø25.4,Splined key SAE 6B Code FD1: Ø31.75 Shaft , Splined key 14-DP12/24
	400		
	475		
5	6	7	8
Rotation direction	Paint	Unusually function	Others
Omit: Standard Code R: Opposite	Omit: Blue Code 00: No paint Code B: Black Code S: Silver Grey	Omit: Standard Code 0: No case drain Code N: Big radial force Code F: Free running Code LS: Low speed	OEM

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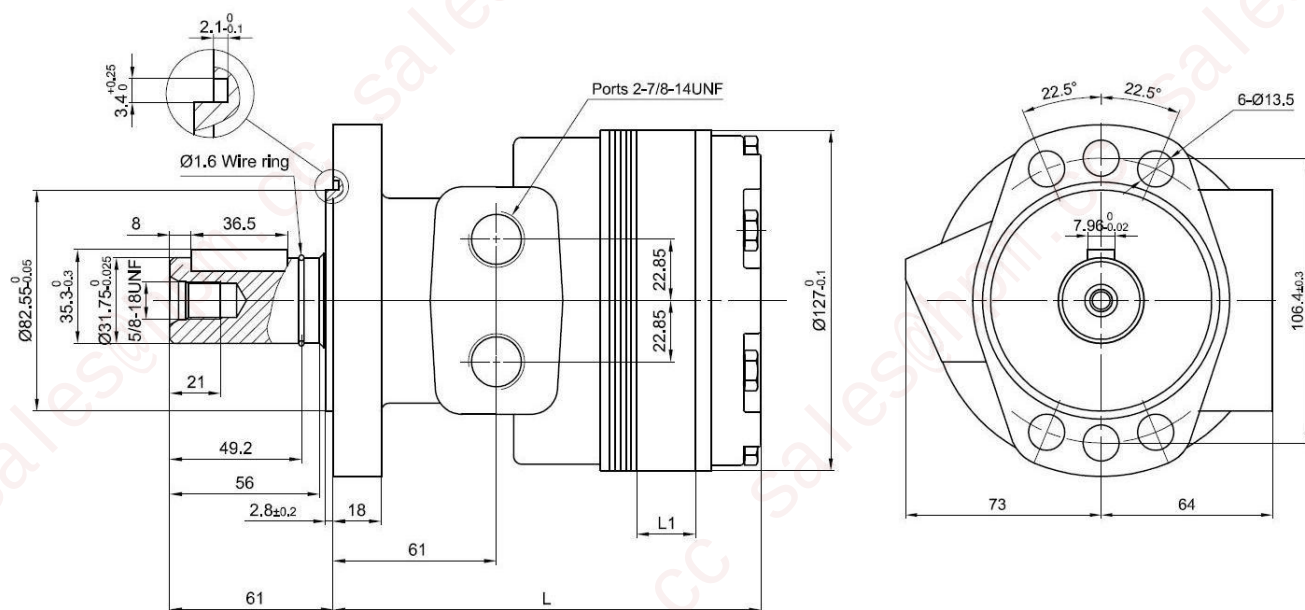


Popular model drawing

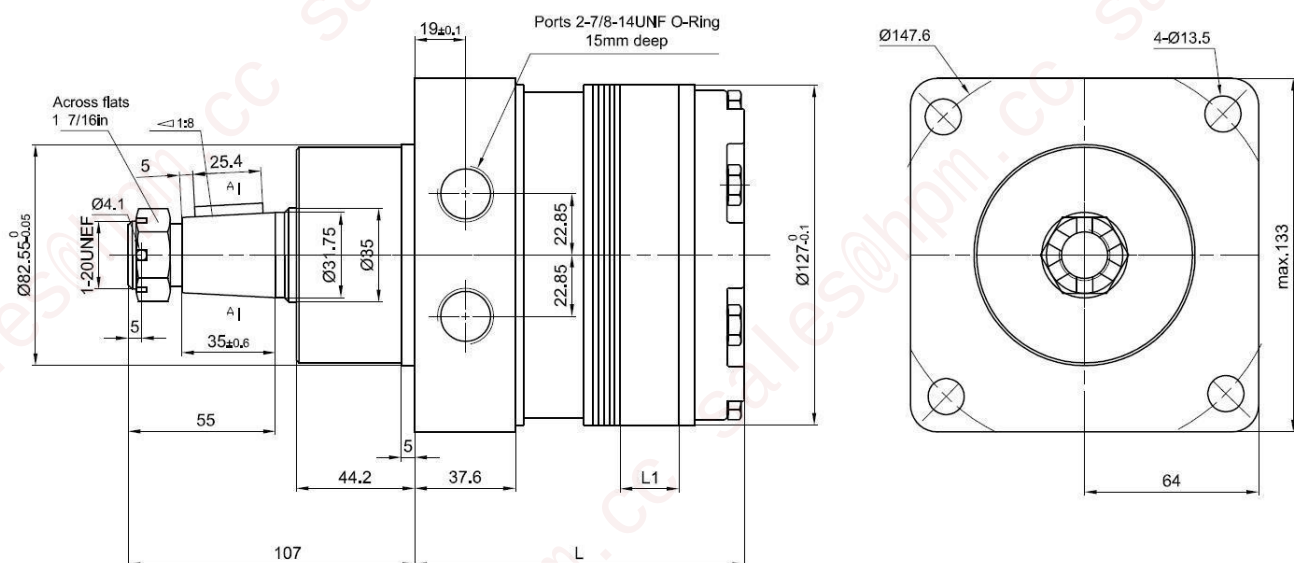
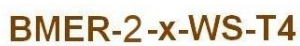
BMER-2-x-FH-FD1



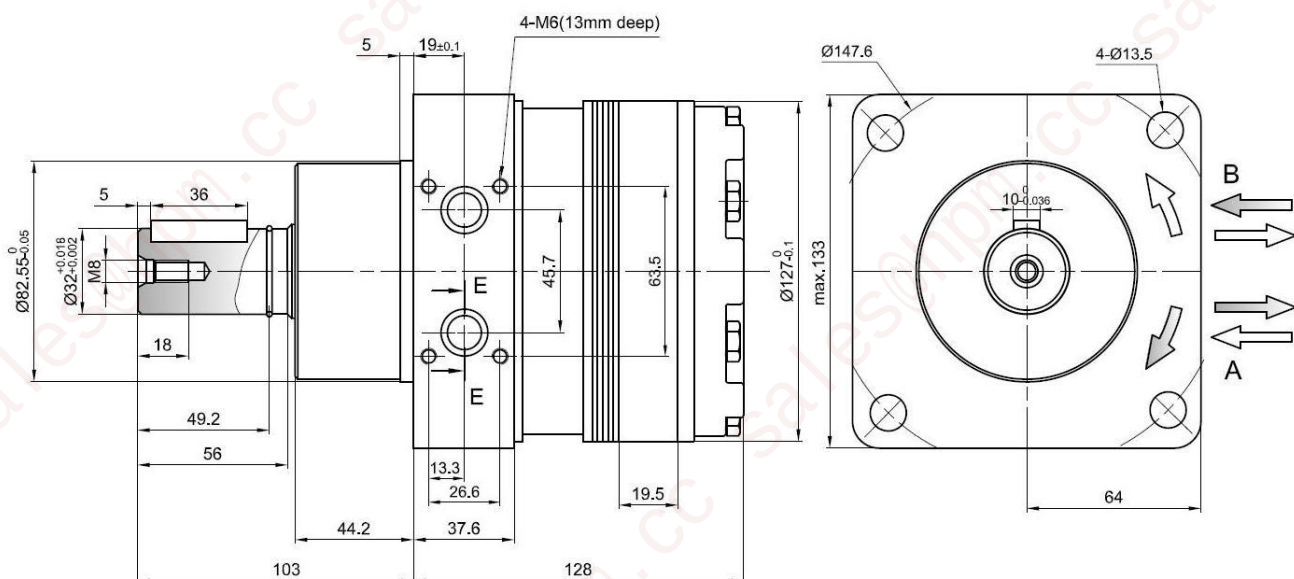
BMER-2-x-FS-G2



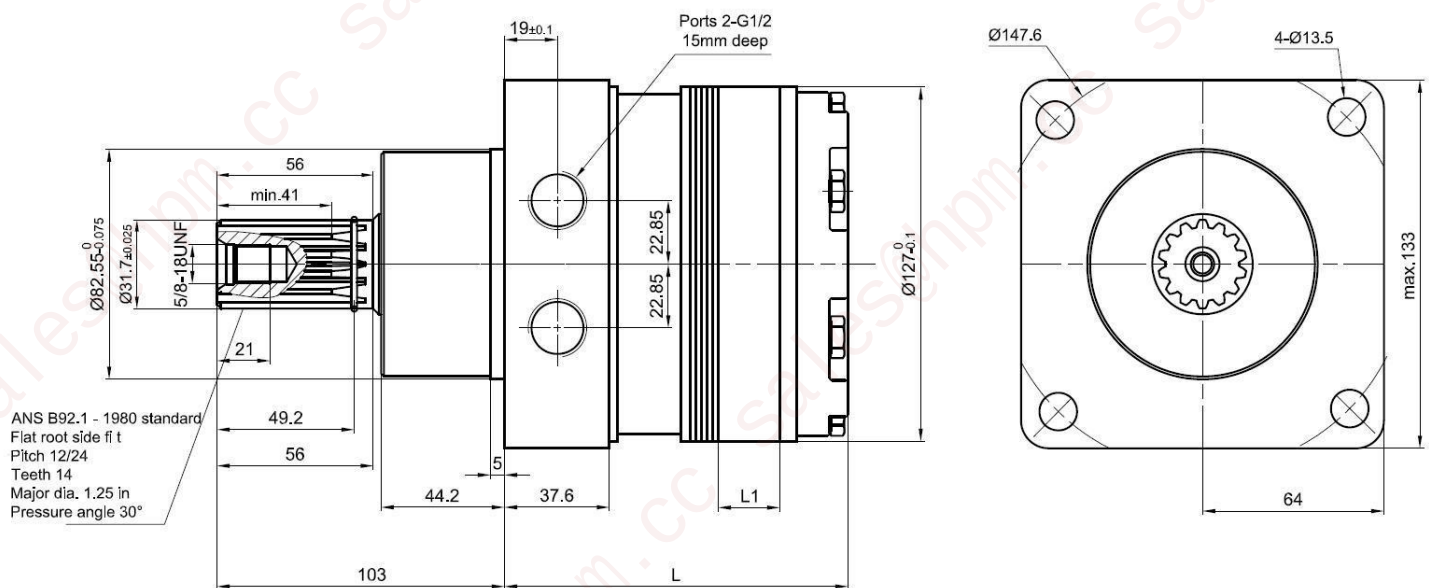
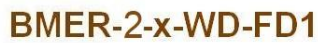
BMER-2-x-MP-B1



BMER-2-x-FD-SW



BMER-2-x-MS-B1



BMER-3-x-WS-T31

