

BMR Series hydraulic orbit motor



BMR-Replace with Danfoss OMR/DS Series,M+S EPRM/MLHR Series
Parker TC/TB Series,White WR Series

BMRS-Replace with Eaton S Series

BMRW-Wheel mounting

Parameters

Type		BMR BMRW BMRS -36	BMR BMRW BMRS -50	BMR BMRW BMRS -80	BMR BMRW BMRS -100	BMR BMRW BMRS -125	BMR BMRW BMRS -160	BMR BMRW BMRS -200	BMR BMRW BMRS -250	BMR BMRW BMRS -315	BMR BMRW BMRS -375
Displacement		36	51.7	81.5	102	127.2	157.2	194.5	253.3	317.5	381.4
Max. speed (rpm)	cont.	1085	960	750	600	475	378	310	240	190	155
	int.	1220	1150	940	750	600	475	385	300	240	190
Max. torque (N•m)	cont.	72	100	195	240	300	360	360	390	390	365
	int.	83	126	220	280	340	430	440	490	535	495
	peak	105	165	270	320	370	460	560	640	650	680
Max. output (KW)	cont.	8.5	9.5	12.5	13	12.5	12.5	10	7	6	5
	int.	9.8	11.2	15	15	14.5	14	13	9.5	9	8
Max.pressure drop (Mpa)	cont.	14	14	17.5	17.5	17.5	16.5	13	11	9	7
	int.	16.5	17.5	20	20	20	20	17.5	15	13	10
	peak	22.5	22.5	22.5	22.5	22.5	22.5	22.5	20	17.5	15
Max. flow (L/min)	cont.	40	50	60	60	60	60	60	60	60	60
	int.	45	60	75	75	75	75	75	75	75	75
Weight(kg)		6.5	6.7	6.9	7	7.3	7.6	8	8.5	9	9.5

Selection

1	2	3	4
Series	Displacement	Flange	Output shaft
BMR	50	Code 2: 2-Ø13.5 Rhomb-flange , pilot Ø82.5×8 Code 4: 4-Ø13.5 Rhomb-flange , pilot Ø82.5×8 Code H4: 4-3/8-16 Square-flange , pilot Ø44.4×2.8 Code H5: 4-M10 Square-flange , pilot Ø44.4×2.8 Code W: 4-Ø13.5 Wheel-flange , pilot Ø82.5×9.4	Code A: Shaft Dia Ø25 , Parallel key 8×7×32 Code B: Shaft Dia Ø32 , Parallel key 10×8×45 Code C: Shaft Dia Ø25.4 , Parallel key 6.35×6.35×31.75 Code R: Shaft Dia Ø25.4 Short shaft , Parallel key 6.35×6.35×31.75 Code E: Shaft Dia Ø25.4 , Splined tooth SAE 6B Code F: Shaft Dia Ø31.75 , Splined tooth 14-DP12/24 Code FD: Shaft Dia Ø31.75 Long shaft , Splined tooth 14-DP12/24 Code G: Shaft Dia Ø31.75,Parallel key 7.95×7.95×31.75 Code T: Cone Shaft Dia Ø 28.56 ,Parallel key 5×5×14 Code T1: Cone Shaft Dia Ø 35, Parallel key 6×6×20
	80		
	100		
	125		
	160		
	200		
	250		
	315		
	375		

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Selection

5	6	7	8
Port and drain port	Rotation direction	Paint	Unusually function
Code D: G1/2 Manifold mount 4*M8,G1/4 Code M : M22*1.5 Manifold mount 4*M8,M14*1.5 Code S: 7/8-14 O-ring Manifold 4*5/16-18UNC,7/16-20UNF Code P: 1/2-14NPTF Manifold 4*5/16-18UNC,7/16-20UNF Code R: PT(RC) 1/2 Manifold 4*M8,PT(Rc)1/4	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

Selection

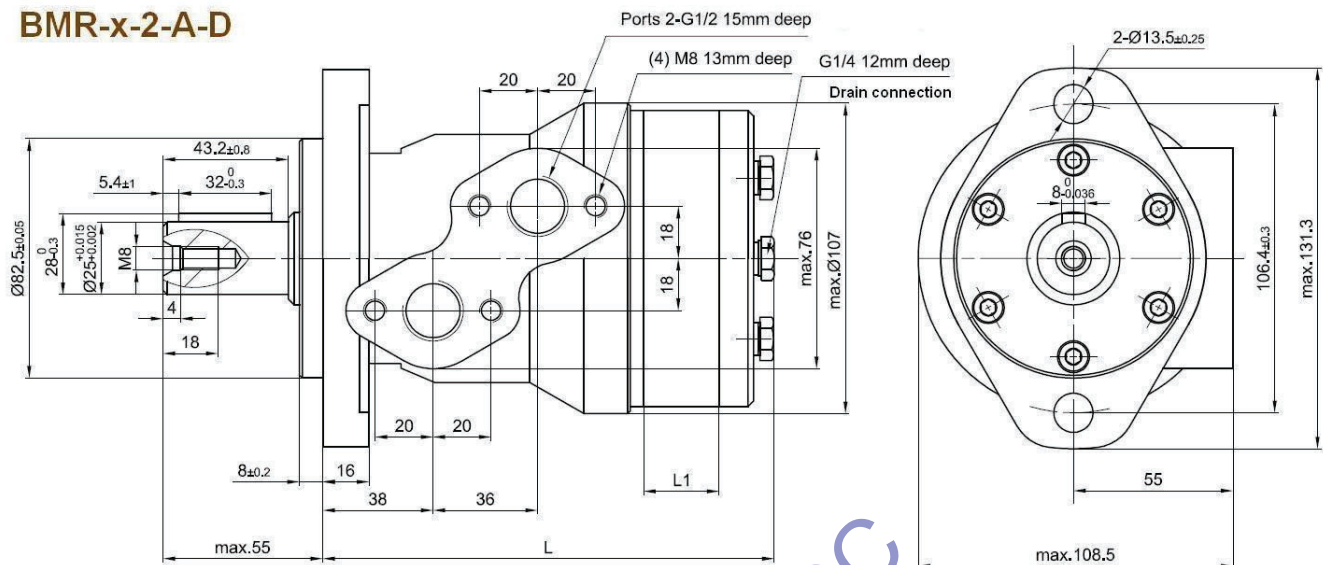
1	2	3	4
Series	Displacement	Flange	Output shaft
BMRS	50	Code H2: 2-Ø13.5 Rhomb-flange , pilot Ø82.5×2.8 Code:H4: 4-3/8-16 Square-flange , pilot Ø44.4×2.8 Code H5: 4-M10 Square-flange , pilot Ø44.4×2.8 Code H6: 4-Ø13.5 Rhomb-flange , pilot Ø82.5×2.8	Code A: Shalf Dia Ø25 , Parallel key 8×7×32 Code D: Shalf Dia Ø22.22, Parallel key 6.35×6.35×25.4 Code H: Shalf Dia Ø25.4 , pin hole Ø10.3 Code I: Shalf Dia Ø22.22, splined tooth 13-DP16/32 Code J: Shalf Dia Ø25 , Parallel key 7×7×32 Code K: Shalf Dia Ø25.4, woodruff key Ø25.4×6.35 Code P: Shalf Dia Ø25 , Parallel key 8×7×28 Code S: Shalf Dia Ø25.4 , splined tooth SEA 6B Code T2: Cone Shaft Dia Ø25.4 , woodruff key Ø25.4×6.35
	80		
	100		
	125		
	160		
	200		
	250		
	315		
	375		
5	6	7	8
Port and drain port	Rotation direction	Paint	Unusually function
Code G: G1/2, G1/4 Code S : 7/8-14 O-ring ,7/16-20UNF Code P: 1/2-14 NPTF, 7/16-20UNF Code T: 3/4-16 O-ring, 7/16-20UNF Code R: PT(Rc) 1/2 ,PT(Rc)1/4 Code B4: Ø10 O-ring manifold 4x5/16-18,7/16-20UNF Code B5: Ø10 O-ring manifold 4xM8,G1/4 Code M1: M18*1.5,M10*1 Code M2: M20*1.5,M10*1 Code M3: M22*1.5,M10*1	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

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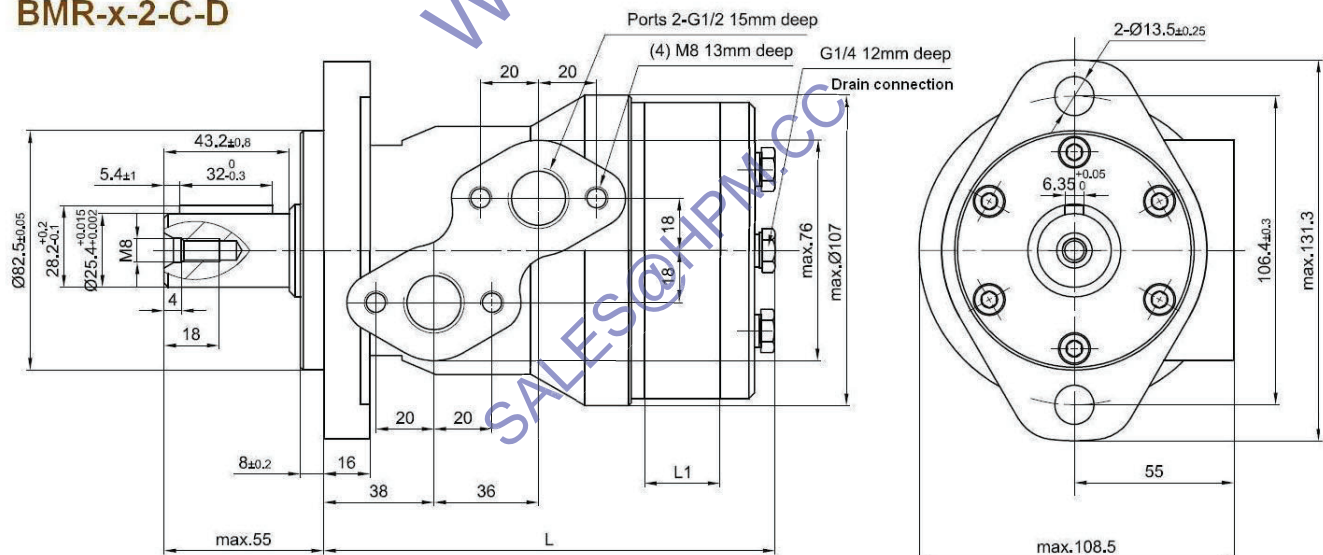
Popular model drawing

BMR-x-2-A-D



HPM Model	Danfoss Model	Danfoss Model	M+S Model	L mm	L1 mm
BMR-50-2AD**	151-0710	151-0410	EPRM-50CD**	140	10
BMR-80-2AD**	151-0711	151-0411	EPRM-80CD**	146	16
BMR-100-2AD**	151-0712	151-0412	EPRM-100CD**	150	20
BMR-125-2AD**	151-0713	151-0413	EPRM-125CD**	155	25
BMR-160-2AD**	151-0714	151-0414	EPRM-160CD**	162	30.5
BMR-200-2AD**	151-0715	151-0415	EPRM-200CD**	170	38.1
BMR-250-2AD**	151-0716	151-0416	EPRM-250CD**	180	50
BMR-315-2AD**	151-0717	151-0417	EPRM-315CD**	192	62
BMR-375-2AD**	151-0718	151-0418	EPRM-400CD**	204	74

BMR-x-2-C-D



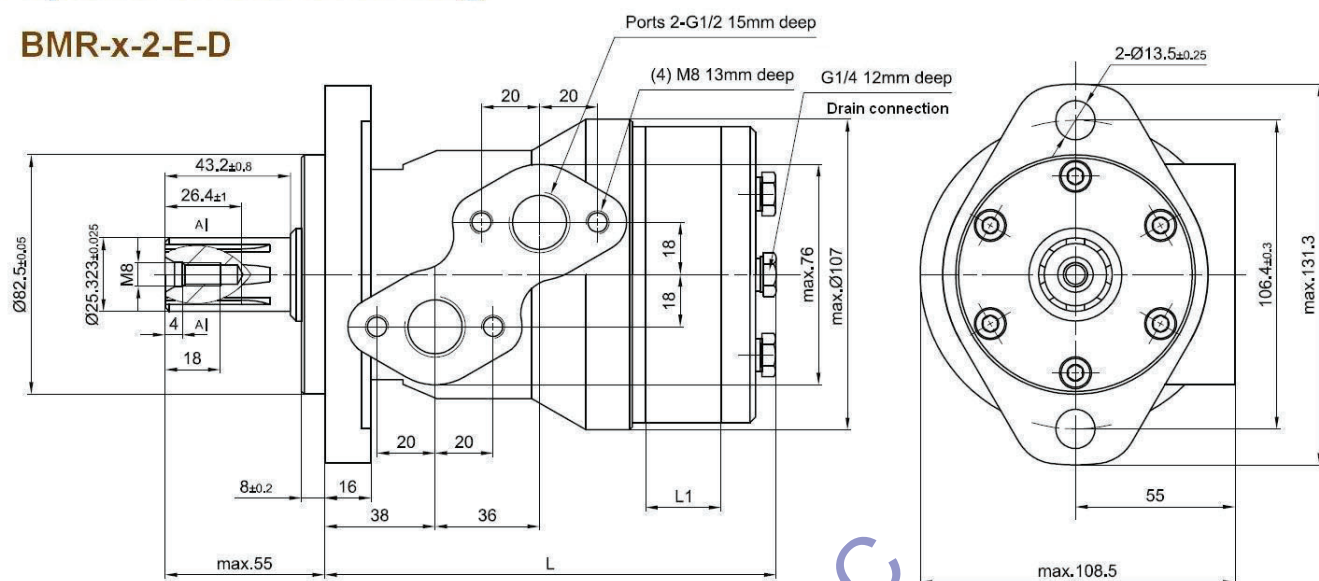
HPM Model	Danfoss Model	Danfoss Model	M+S Model	L mm	L1 mm
BMR-50-2CD**	151-0700	151-0400	EPRM-50COD**	140	10
BMR-80-2CD**	151-0701	151-0401	EPRM-80COD**	146	16
BMR-100-2CD**	151-0702	151-0402	EPRM-100COD**	150	20
BMR-125-2CD**	151-0703	151-0403	EPRM-125COD**	155	25
BMR-160-2CD**	151-0704	151-0404	EPRM-160COD**	162	30.5
BMR-200-2CD**	151-0705	151-0405	EPRM-200COD**	170	38.1
BMR-250-2CD**	151-0706	151-0406	EPRM-250COD**	180	50
BMR-315-2CD**	151-0707	151-0407	EPRM-315COD**	192	62
BMR-375-2CD**	151-0708	151-0408	EPRM-400COD**	204	74

BMR Series hydraulic orbit motor



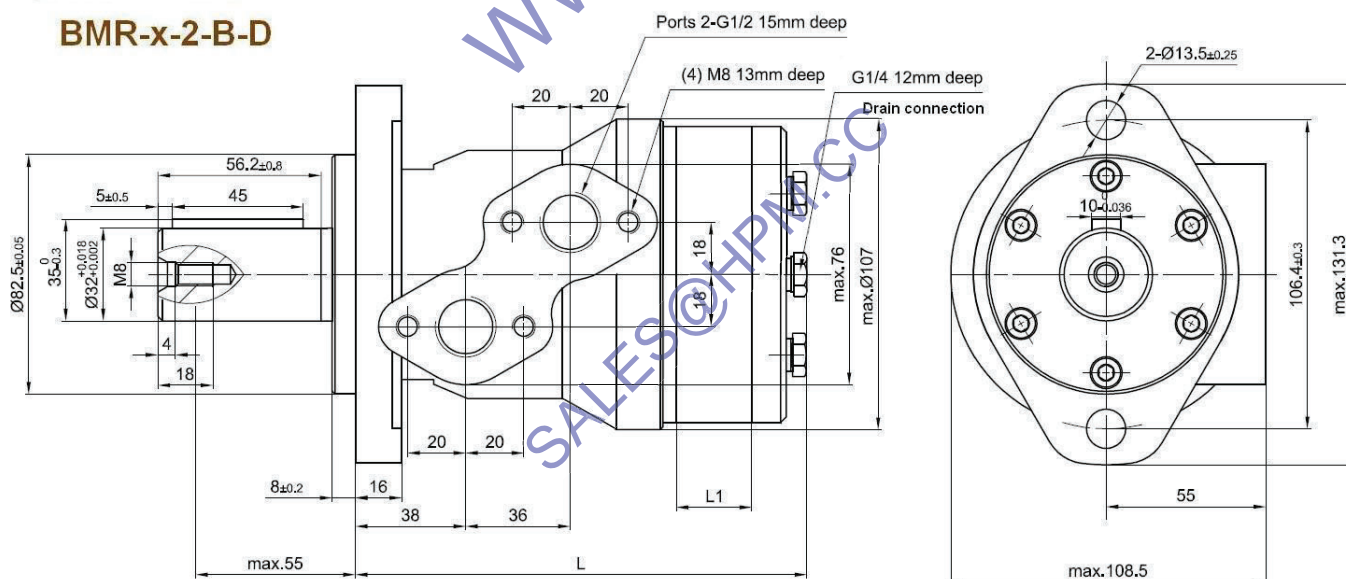
Popular model drawing

BMR-x-2-E-D



HPM Model	Danfoss Model	Danfoss Model	M+S Model	L mm	L1 mm
BMR-50-2ED**	151-0720	151-0420	EPRM-50SHD**	140	10
BMR-80-2ED**	151-0721	151-0421	EPRM-80SHD**	146	16
BMR-100-2ED**	151-0722	151-0422	EPRM-100SHD**	150	20
BMR-125-2ED**	151-0723	151-0423	EPRM-125SHD**	155	25
BMR-160-2ED**	151-0724	151-0424	EPRM-160SHD**	162	30.5
BMR-200-2ED**	151-0725	151-0425	EPRM-200SHD**	170	38.1
BMR-250-2ED**	151-0726	151-0426	EPRM-250SHD**	180	50
BMR-315-2ED**	151-0727	151-0427	EPRM-315SHD**	192	62
BMR-375-2ED**	151-0728	151-0428	EPRM-400SHD**	204	74

BMR-x-2-B-D



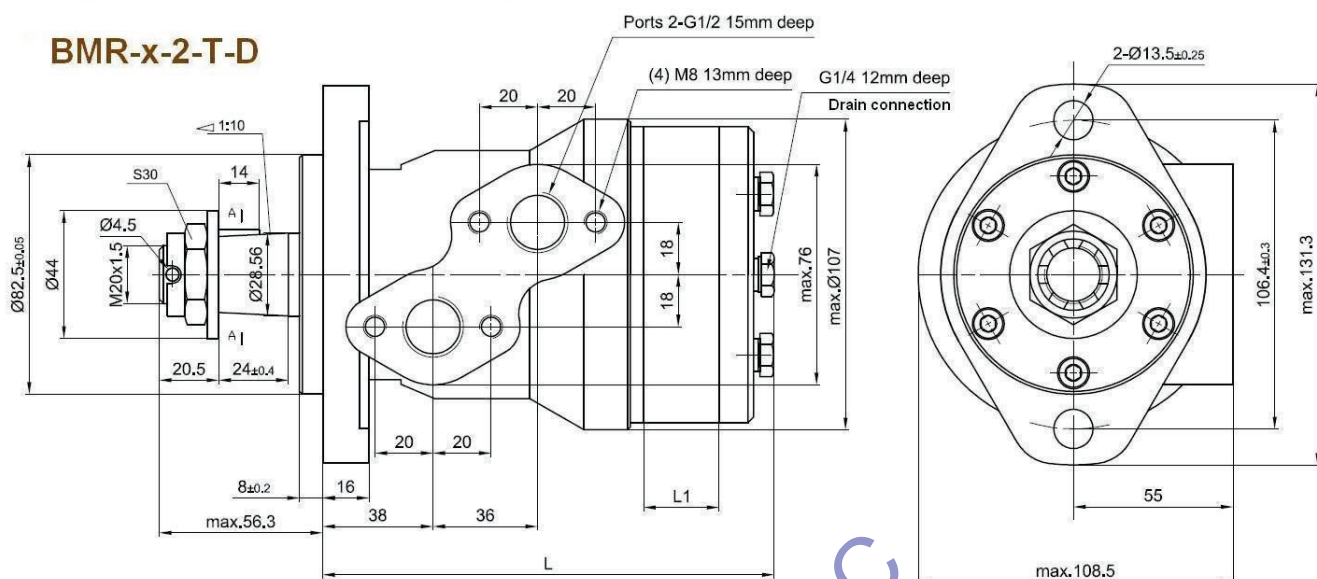
HPM Model	Danfoss Model	Danfoss Model	M+S Model	L mm	L1 mm
BMR-50-2BD**	151-0248	151-0248	EPRM-50CB**	140	10
BMR-80-2BD**	151-0242	151-0242	EPRM-80CB**	146	16
BMR-100-2BD**	151-0243	151-0243	EPRM-100CB**	150	20
BMR-125-2BD**	151-0208	151-0208	EPRM-125CB**	155	25
BMR-160-2BD**	151-0244	151-0244	EPRM-160CB**	161.5	30.5
BMR-200-2BD**	151-0245	151-0245	EPRM-200CB**	170	38.1
BMR-250-2BD**	151-0247	151-0247	EPRM-250CB**	180	50
BMR-315-2BD**	151-0246	151-0246	EPRM-315CB**	192	62
BMR-375-2BD**	151-6294	151-6294	EPRM-400CB**	204	74

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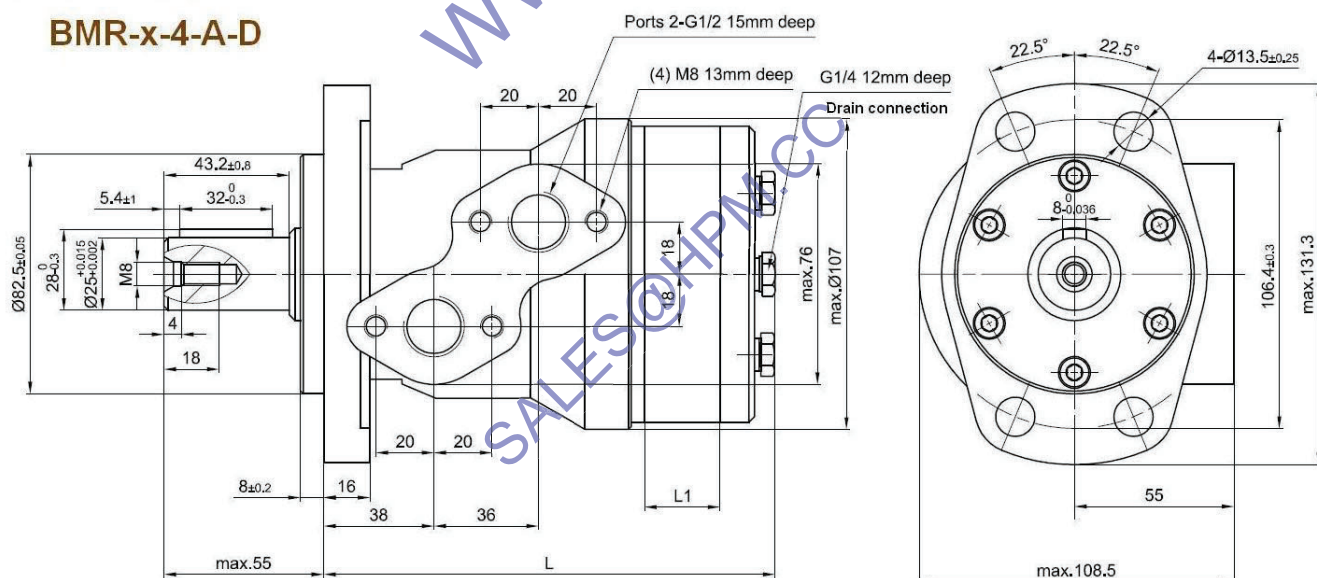
Popular model drawing

BMR-x-2-T-D



HPM Model	Danfoss model	M+S code	L mm	L1 mm
BMR-50-2TD**	151-0265	EPRM-50KD**	140	10
BMR-80-2TD**	151-0266	EPRM-80KD**	146	16
BMR-100-2TD**	151-0267	EPRM-100KD**	150	20
BMR-125-2TD**	151-6295	EPRM-125KD**	155	25
BMR-160-2TD**	151-0268	EPRM-160KD**	161.5	30.5
BMR-200-2TD**	151-0269	EPRM-200KD**	170	38.1
BMR-250-2TD**	151-0271	EPRM-250KD**	180	50
BMR-315-2TD**	151-0270	EPRM-315KD**	192	62
BMR-375-2TD**	151-6296	EPRM-400KD**	204	74

BMR-x-4-A-D



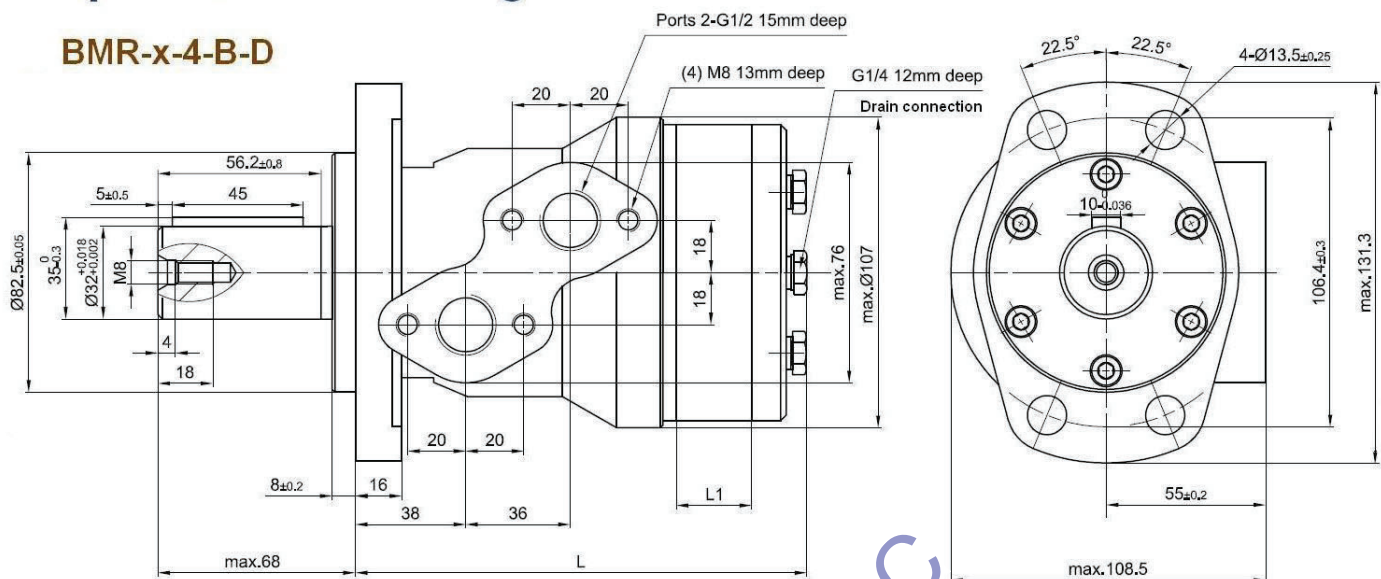
HPM Model	Danfoss model	M+S code	L mm	L1 mm
BMR-50-4AD**	151-6010	EPRM-F50CD**	140	10
BMR-80-4AD**	151-6011	EPRM-F80CD**	146	16
BMR-100-4AD**	151-6012	EPRM-F100CD**	150	20
BMR-125-4AD**	151-6013	EPRM-F125CD**	155	25
BMR-160-4AD**	151-6014	EPRM-F160CD**	161.5	30.5
BMR-200-4AD**	151-6015	EPRM-F200CD**	170	38.1
BMR-250-4AD**	151-6016	EPRM-F250CD**	180	50
BMR-315-4AD**	151-6017	EPRM-F315CD**	192	62
BMR-375-4AD**	151-6018	EPRM-F400CD**	204	74

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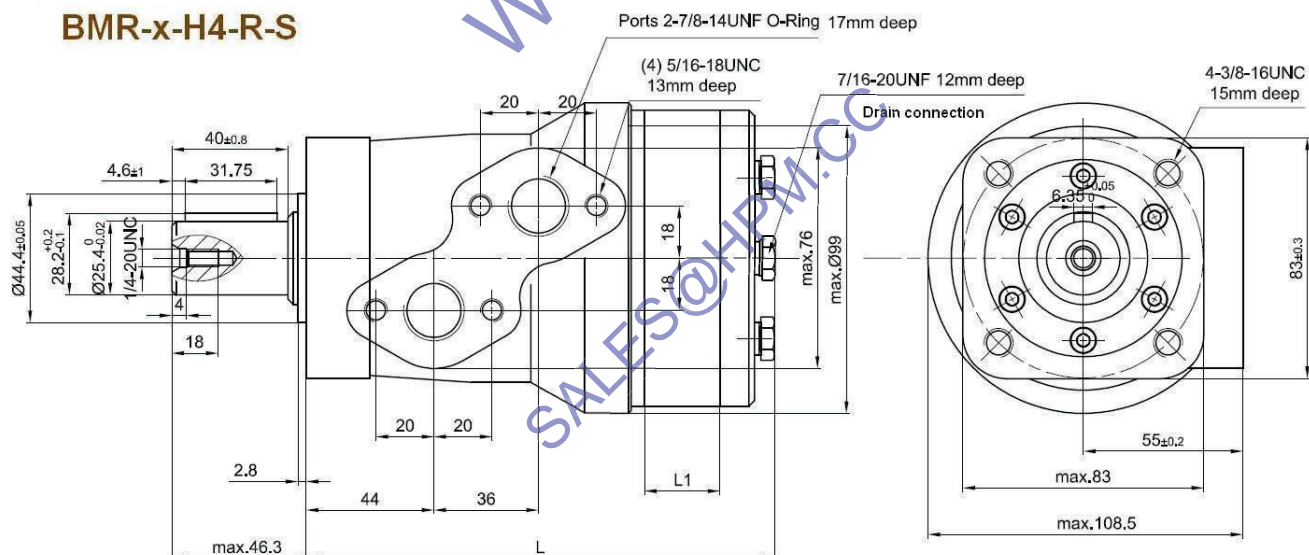
Popular model drawing

BMR-x-4-B-D



HPM Model	Danfoss Model	M+S Model	L mm	L1 mm
BMR-50-4BD**	151-6000	EPRM-F50CB**	140	10
BMR-80-4BD**	151-6001	EPRM-F80CB**	146	16
BMR-100-4BD**	151-6002	EPRM-F100CB**	150	20
BMR-125-4BD**	151-6003	EPRM-F125CB**	155	25
BMR-160-4BD**	151-6004	EPRM-F160CB**	161.5	30.5
BMR-200-4BD**	151-6005	EPRM-F200CB**	170	38.1
BMR-250-4BD**	151-6006	EPRM-F250CB**	180	50
BMR-315-4BD**	151-6007	EPRM-F315CB**	192	62
BMR-375-4BD**	151-6008	EPRM-F400CB**	204	74

BMR-x-H4-R-S



HPM Model	Danfoss Model	M+S Model	L mm	L1 mm
BMR-50-H4RS**	151-7260	MLHR-Q50C4**	140	10
BMR-80-H4RS**	151-7261	MLHR-Q80C4**	146	16
BMR-100-H4RS**	151-7262	MLHR-Q100C4**	150	20
BMR-125-H4RS**	151-7263	MLHR-Q125C4**	155	25
BMR-160-H4RS**	151-7264	MLHR-Q160C4**	161.5	30.5
BMR-200-H4RS**	151-7265	MLHR-Q200C4**	170	38.1
BMR-250-H4RS**	151-7266	MLHR-Q250C4**	180	50
BMR-315-H4RS**	151-7267	MLHR-Q315C4**	192	62
BMR-375-H4RS**	151-7269	MLHR-Q400C4**	204	74