

SAM Hydraulic Motors

SAM1 Series



SAM2 Series



SAM3 Series



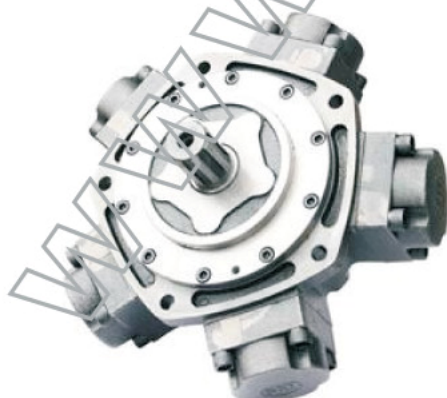
SAM6 Series



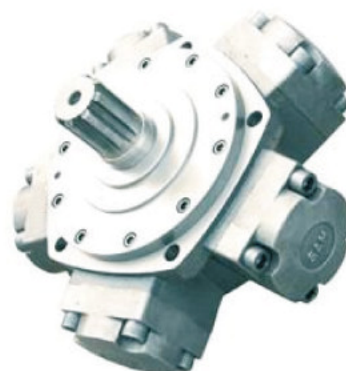
SAM8 Series



SAM11 Series



SAM16 Series



SAM1 Series Axial Piston Motor

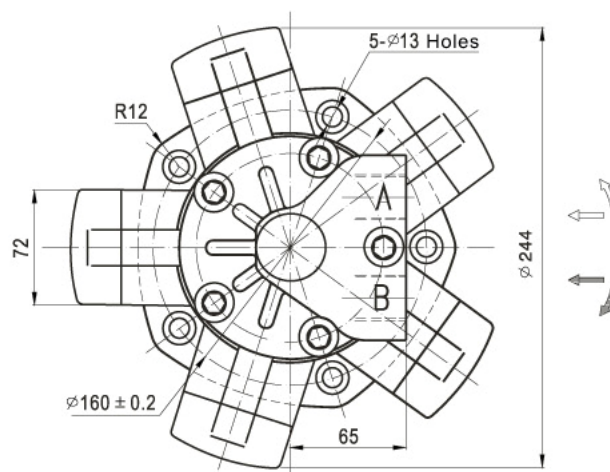
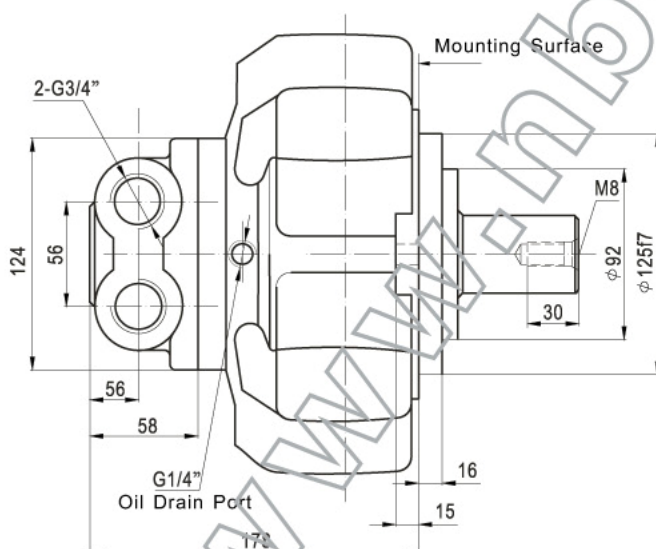
Ordering Information

SAM	1	100	B	D31
Product Type	Motor Series No.	Normal Displacement	Shaft Type	Distributor Type
SAM Axial Piston Motor	Motor Series No.	64: 64ml/r 80: 80ml/r 100: 100ml/r 125: 125ml/r 160: 160ml/r	See Shaft Option	See Distributor Option

Technical Data Chart

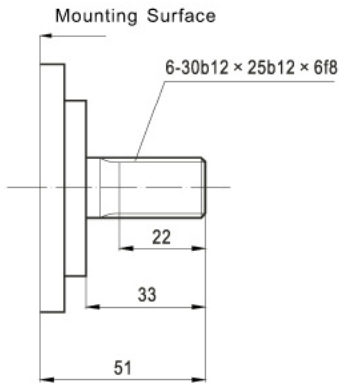
Model	Displacement (ml/r)	Rated Pressure (MPa)	Max Pressure (MPa)	Rated Torque (N.m)	Unit Theoric Torque (N.m/MPa)	Speed Range (r/min)	Weight (kgs)
SAM1-63	64	25	32	225	9	15-1500	20
SAM1-80	78	25	32	300	12	15-1250	
SAM1-100	96	25	32	350	14	15-1000	
SAM1-125	126	20	25	380	19	15-1000	
SAM1-160	159	20	25	472	23	15-1000	

Dimensions (mm) SAM1-63~160

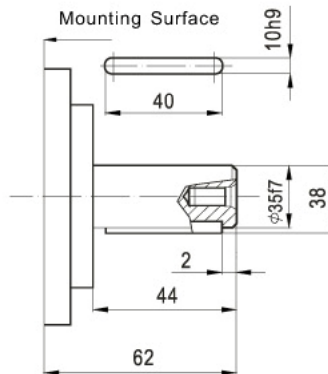


Shaft Option

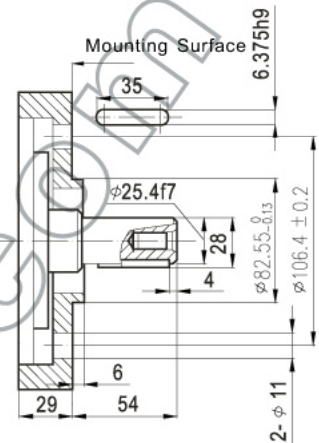
SAM1-**



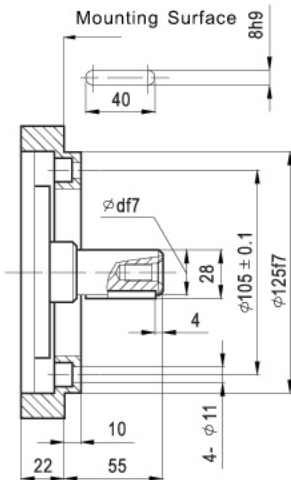
SAM1-**B



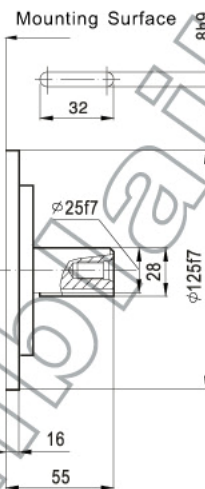
SAM1-**B₃



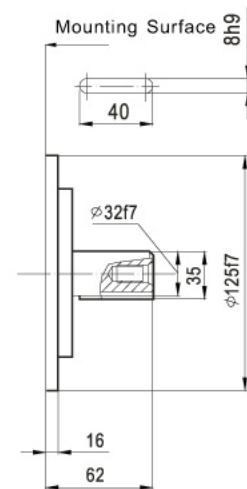
SAM1-**B₁₁ B₁₁-1



SAM1-**B₂₈

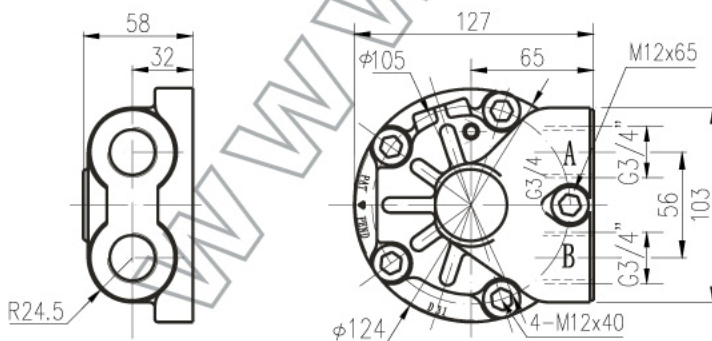


SAM1-**B₃₁



Type	d
B ₁₁	25
B ₁₁ -1	25.4

Distributor Option



D31

Distributor with BSP3/4" ports

D310

Distributor with BSP1" ports

If require NPT or Metric thread, Please note it separately.

SAM2 Series Axial Piston Motor

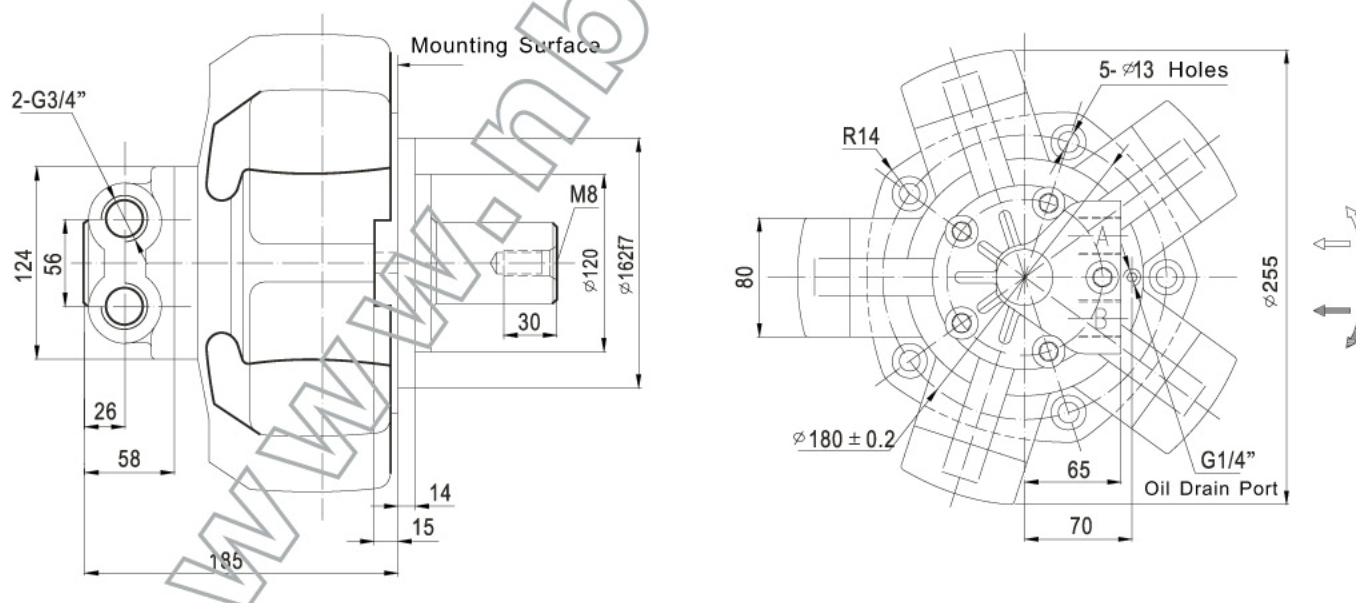
Ordering Information

SAM	2	200	B	D31
Product Type	Motor Series No.	Normal Displacement	Shaft Type	Distributor Type
SAM Axial Piston Motor	Motor Series No.	100: 100ml/r 150: 150ml/r 175: 175ml/r 200: 200ml/r 250: 250ml/r 280: 280ml/r	See Shaft Option	See Distributor Option

Technical Data Chart

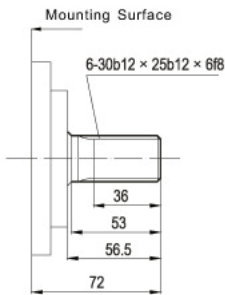
Model	Displacement (ml/r)	Rated Pressure (MPa)	Max Pressure (MPa)	Rated Torque (N.m)	Unit Theoric Torque (N.m/MPa)	Speed Range (r/min)	Weight (kgs)
SAM2-100	113	25	32	420	18	15-1250	27
SAM2-150	159	25	32	620	25	15-1000	
SAM2-175	180	20	25	526	28	15-1000	
SAM2-200	206	20	25	600	32	8-800	
SAM2-250	235	16	20	607	40	8-630	
SAM2-280	276	16	20	670	44	8-500	

Dimensions (mm) SAM2-100~280

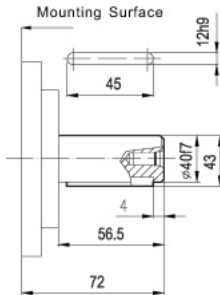


Shaft Option

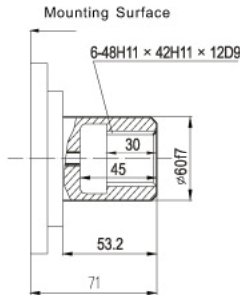
SAM2-**



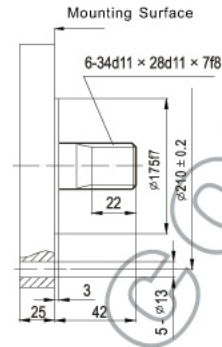
SAM2-**B



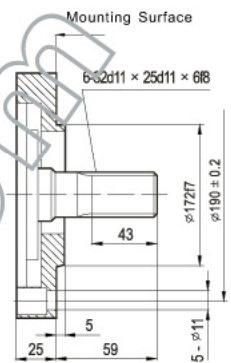
SAM2-** I



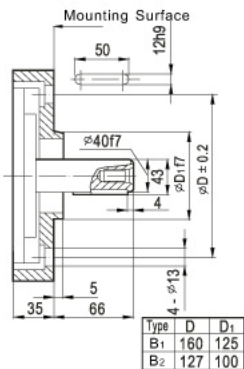
SAM2-**SL1



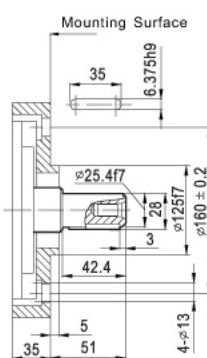
SAM2-** H1



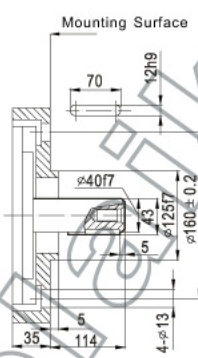
SAM2-**B1, B2



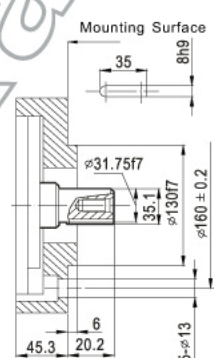
SAM2-**B3



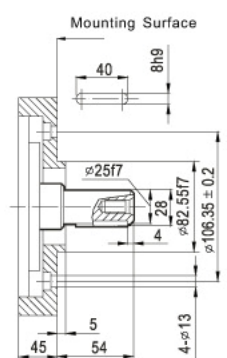
SAM2-**B5



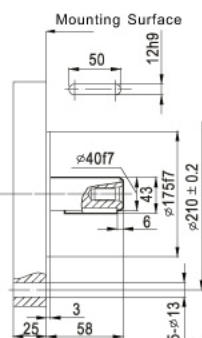
SAM2-**B14



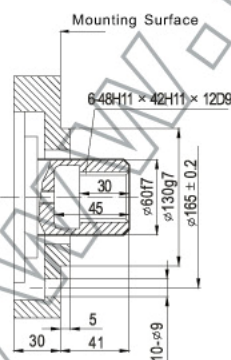
SAM2-**B24



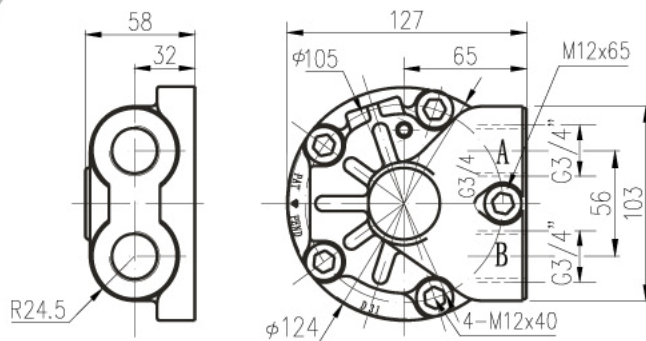
SAM2-**B43



SAM2-**I01, I02



Distributor Option



D31: Distributor with BSP3/4" ports

D310: Distributor with BSP1" ports

If require NPT or Metric thread, Please note it separately.

SAM3 Series Axial Piston Motor

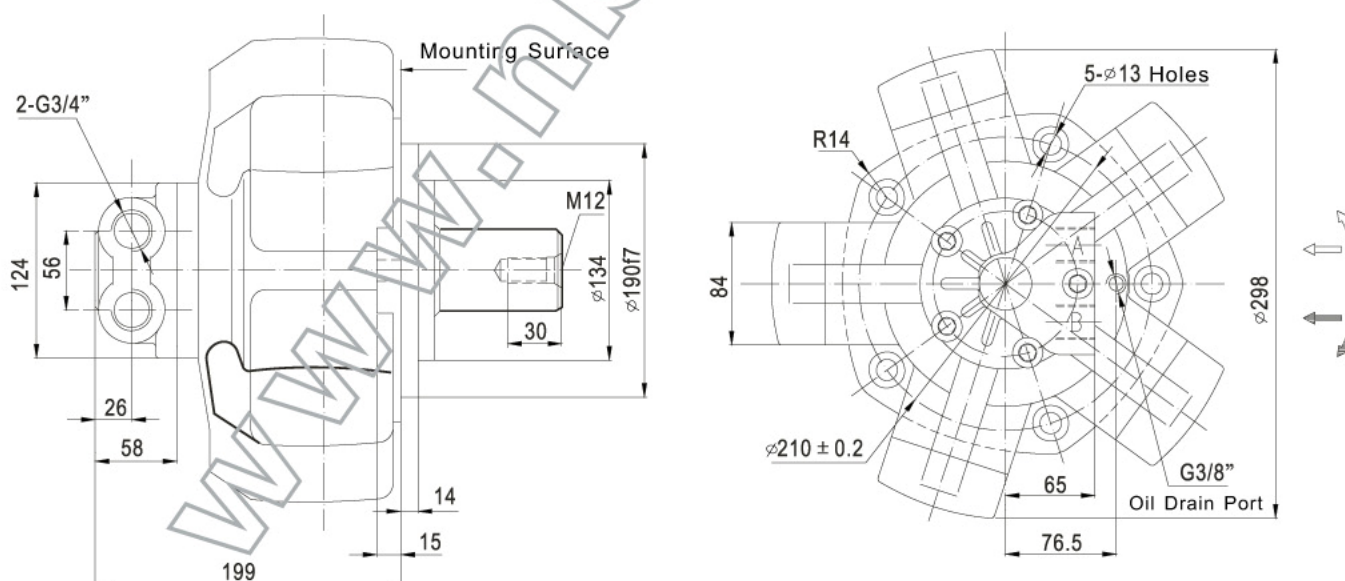
Ordering Information

SAM	3	300	B	D31
Product Type	Motor Series No.	Normal Displacement	Shaft Type	Distributor Type
SAM Axial Piston Motor	Motor Series No.	175: 175ml/r 200: 200ml/r 250: 250ml/r 300: 300ml/r 350: 350ml/r 400: 400ml/r 450: 450ml/r 500: 500ml/r	See Shaft Option	See Distributor Option

Technical Data Chart

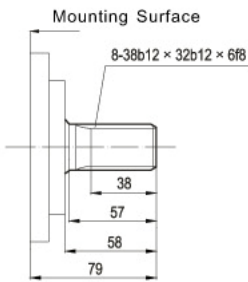
Model	Displacement (ml/r)	Rated Pressure (MPa)	Max Pressure (MPa)	Rated Torque (N.m)	Unit Theoric Torque (N.m/MPa)	Speed Range (r/min)	Weight (kgs)
SAM3-175	181	25	32	710	28	8-1000	35
SAM3-200	201	25	32	800	32	8-800	
SAM3-250	254	25	32	949	40	8-630	
SAM3-300	289	20	25	864	46	6-500	
SAM3-350	340	20	25	1040	55	6-400	
SAM3-400	380	16	20	949	63	6-400	
SAM3-450	450	16	20	1054	71	6-400	
SAM3-500	493	16	20	1256	79	6-400	

Dimensions (mm) SAM3-175~500

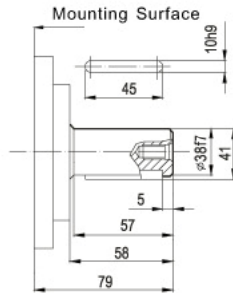


Shaft Option

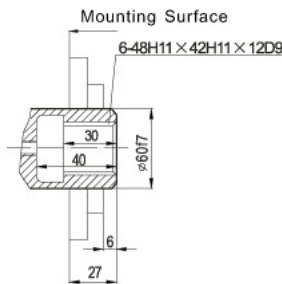
SAM3-**



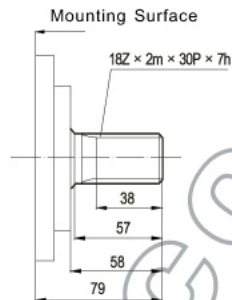
SAM3-** B



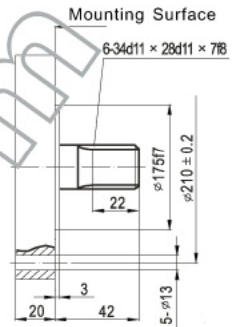
SAM3-** I



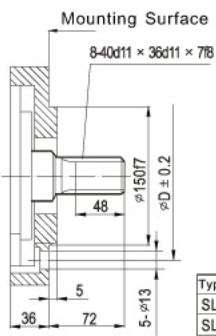
SAM3-** A



SAM3-** SL1

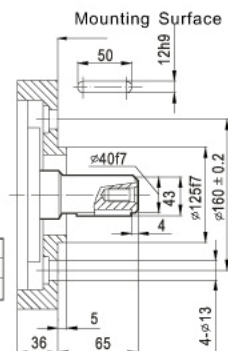


SAM3-** SL2, SL3

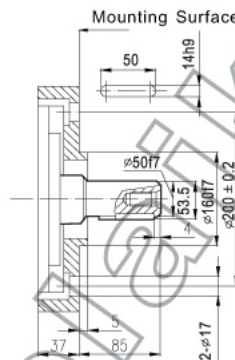


Type	D
SL2	195
SL3	250

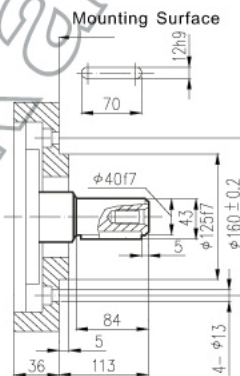
SAM3-** B1



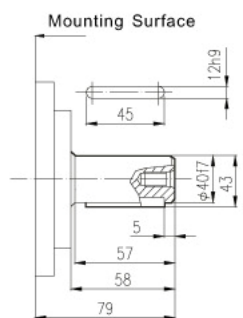
SAM3-** B2



SAM3-** B5

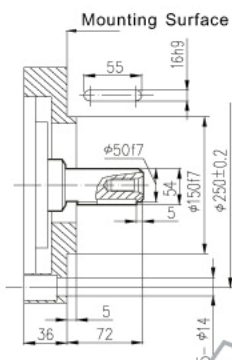


SAM3-** B32

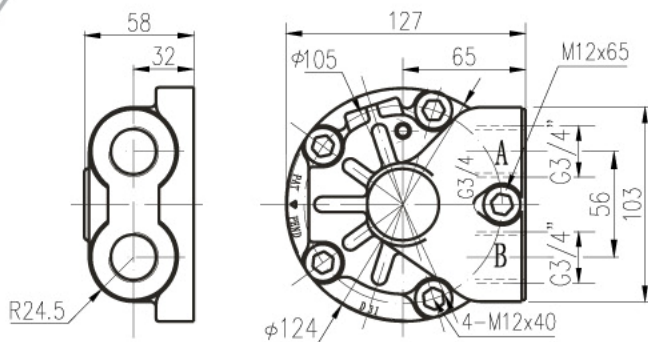
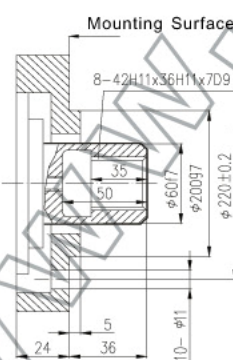


Distributor Option

SAM3-** B44



SAM3-** I1A1



D31: Distributor with BSP3/4" ports

D310: Distributor with BSP1" ports

If require NPT or Metric thread, Please note it separately.

SAM6 Series Axial Piston Motor

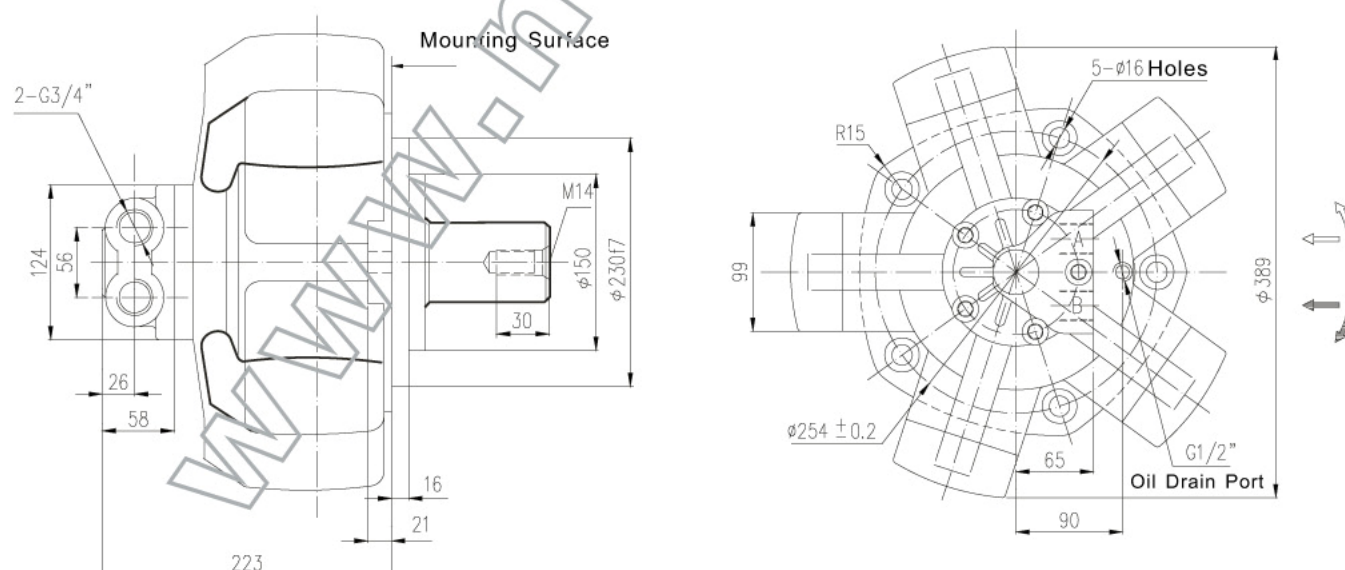
Ordering Information

SAM	6	600	B	D31
Product Type	Motor Series No.	Normal Displacement	Shaft Type	Distributor Type
SAM Axial Piston Motor	Motor Series No.	400: 400ml/r 450: 450ml/r 500: 500ml/r 600: 600ml/r 700: 700ml/r 750: 750ml/r 800: 800ml/r 850: 850ml/r 900: 900ml/r	See Shaft Option	See Distributor Option

Technical Data Chart

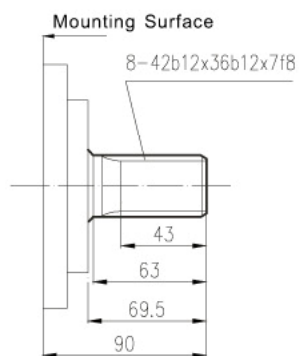
Model	Displacement (ml/r)	Rated Pressure (MPa)	Max Pressure (MPa)	Rated Torque (N.m)	Unic Theoric Torque (N.m/MPa)	Speed Range (r/min)	Weight (kgs)
SAM6-400	397	25	32	1483	63	5-630	57.5
SAM6-450	452	25	32	1638	72	5-630	
SAM6-500	491	20	25	1463	78	5-500	
SAM6-600	594	20	25	1775	94	4-500	
SAM6-700	683	16	20	1633	103	4-400	
SAM6-750	754	16	20	1760	110	4-320	
SAM6-800	804	16	20	1884	128	4-320	
SAM6-850	862	16	20	2020	137	4-320	
SAM6-900	896	16	20	2097	142	4-320	

Dimensions (mm) SAM6-400~900

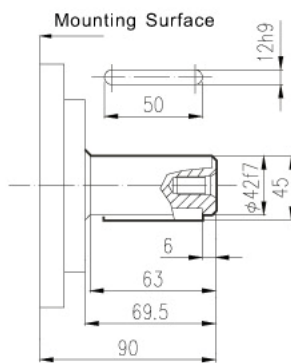


Shaft Option

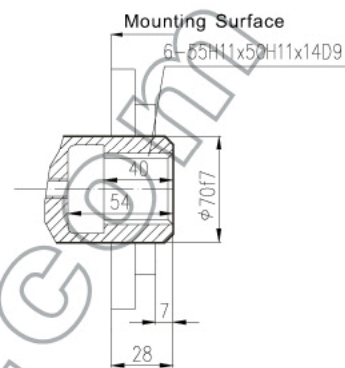
SAM6-**



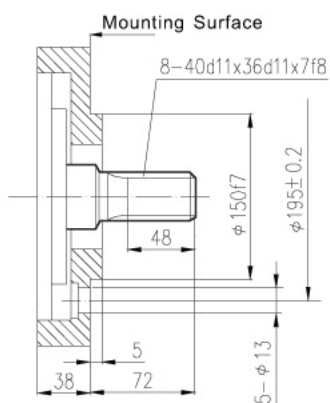
SAM6-**B



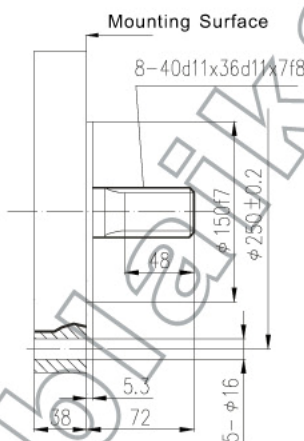
SAM6-**I



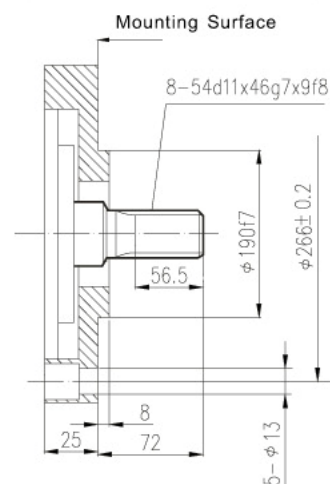
SAM6-**SL2



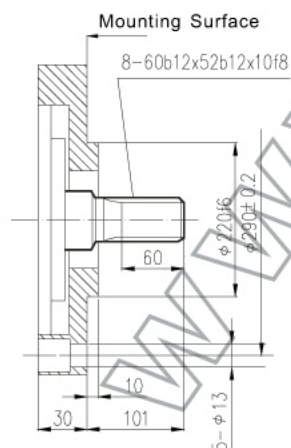
SAM6-**SL3



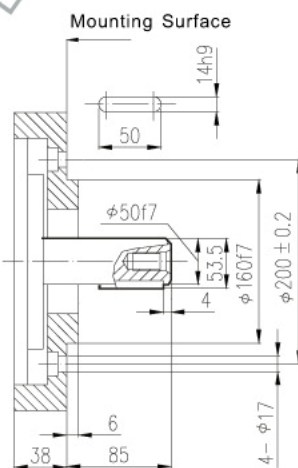
SAM6-**N



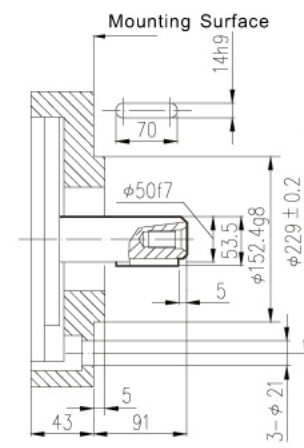
SAM6-**N1



SAM6-**B2

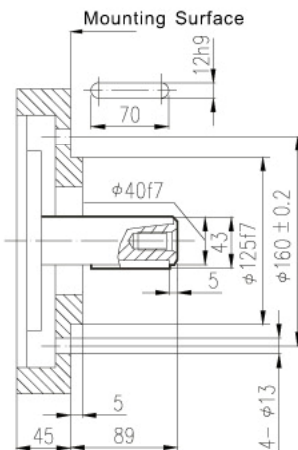


SAM6-**B4

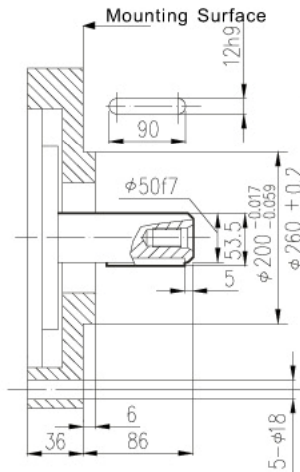


Shaft Option

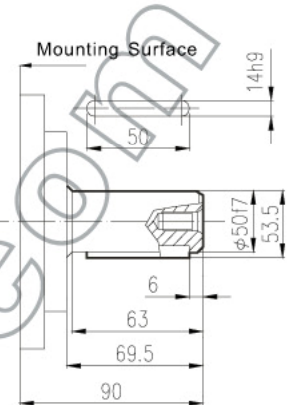
SAM6-**B5



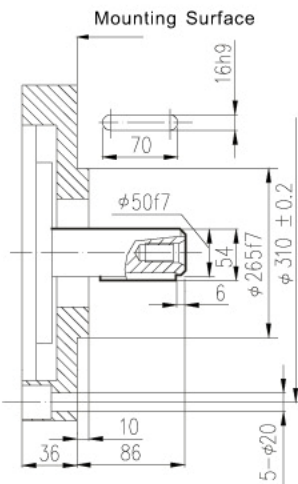
SAM6-**B13



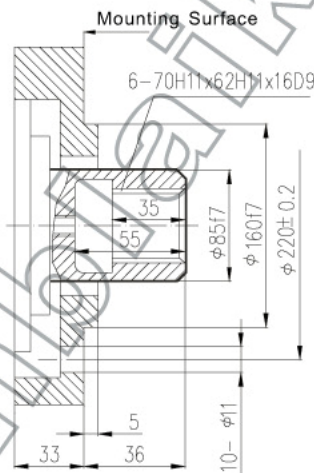
SAM6-**B33



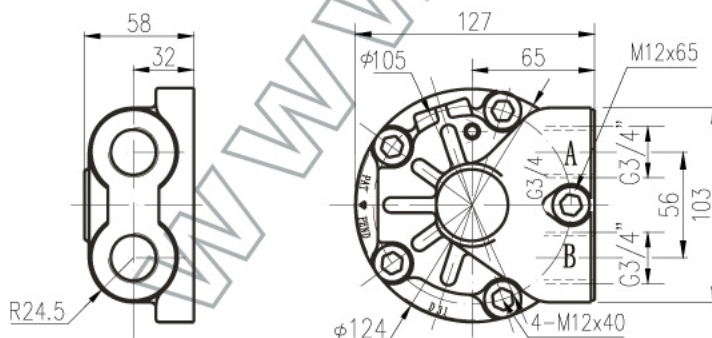
SAM6-**B45



SAM6-**I11



Distributor Option



D31

Distributor with BSP3/4" ports

D310

Distributor with BSP1" ports

If require NPT or Metric thread, Please note it separately.

SAM8 Series Axial Piston Motor

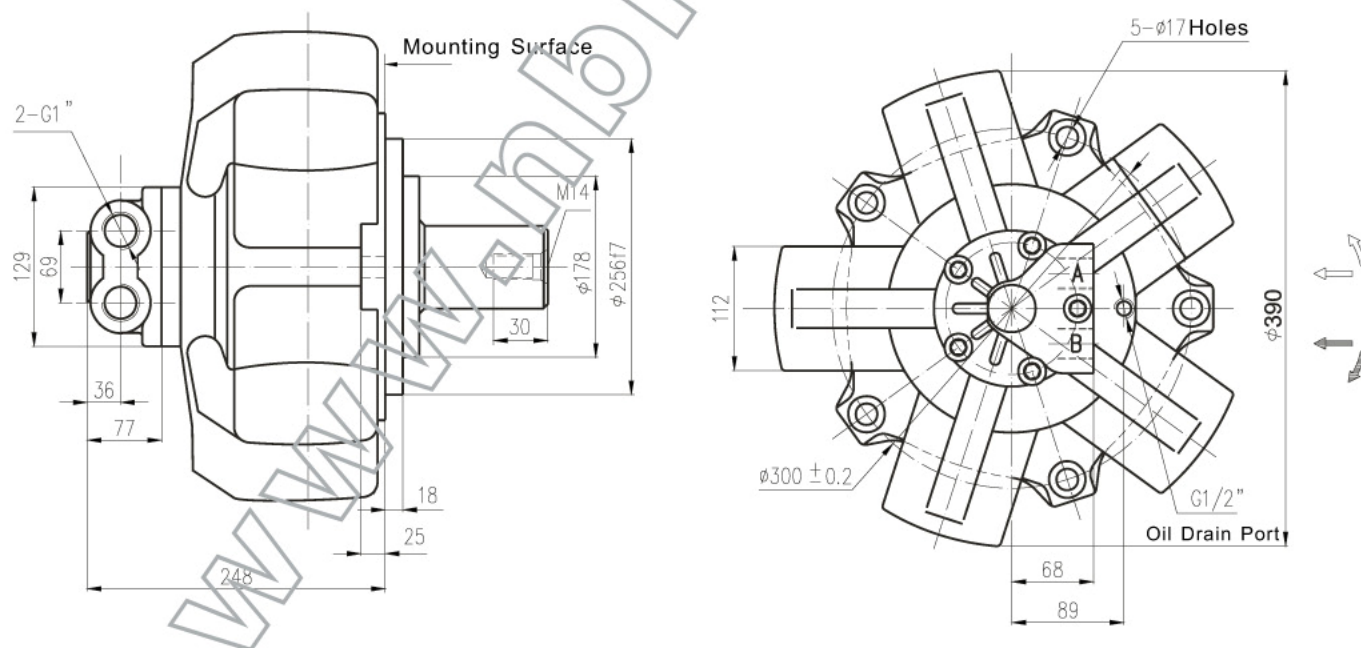
Ordering Information

SAM	8	800	B	D40
Product Type	Motor Series No.	Normal Displacement	Shaft Type	Distributor Type
SAM Axial Piston Motor	Motor Series No.	600: 600ml/r 700: 700ml/r 800: 800ml/r 900: 900ml/r 1000: 1000ml/r	See Shaft Option	See Distributor Option

Technical Data Chart

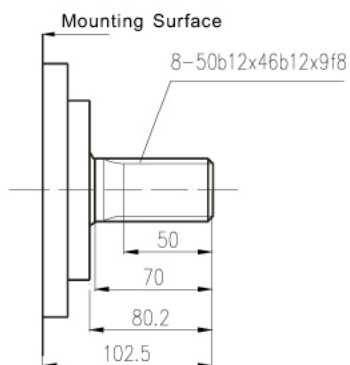
Model	Displacement (ml/r)	Rated Pressure (MPa)	Max Pressure (MPa)	Rated Torque (N.m)	Unit Theoric Torque (N.m/MPa)	Speed Range (r/min)	Weight (kgs)
SAM8-600	617	25	32	2282	91	4-500	72
SAM8-700	710	25	32	2626	105	4-400	
SAM8-800	810	20	25	2396	120	4-400	
SAM8-900	889	20	25	2629	131	3-350	
SAM8-1000	1000	16	20	2365	148	3-300	

Dimensions (mm) SAM8-600~1000

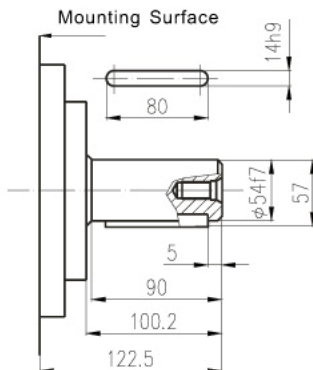


Shaft Option

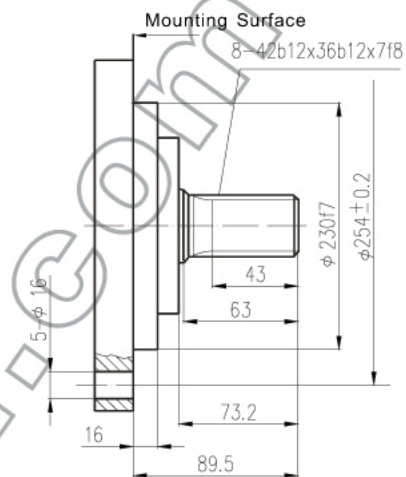
SAM8-**



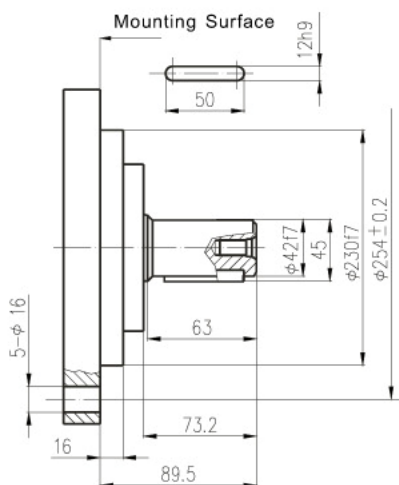
SAM8-**B



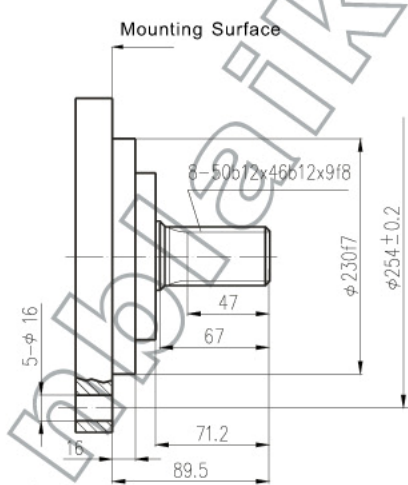
SAM8-**6M



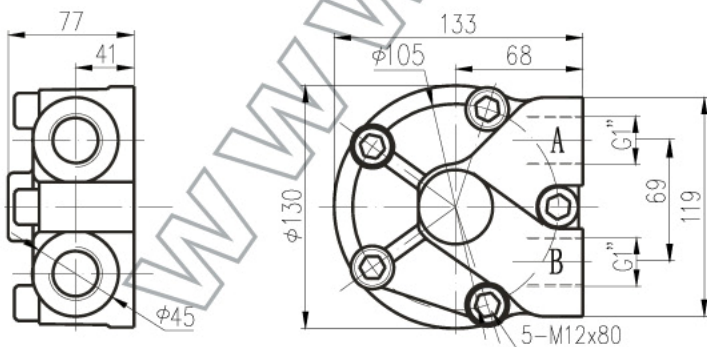
SAM8-**6MB



SAM8-**a2



Distributor Option



D40

Distributor with BSP1" ports

If require NPT or Metric thread,
Please note it separately.

SAM11 Series Axial Piston Motor

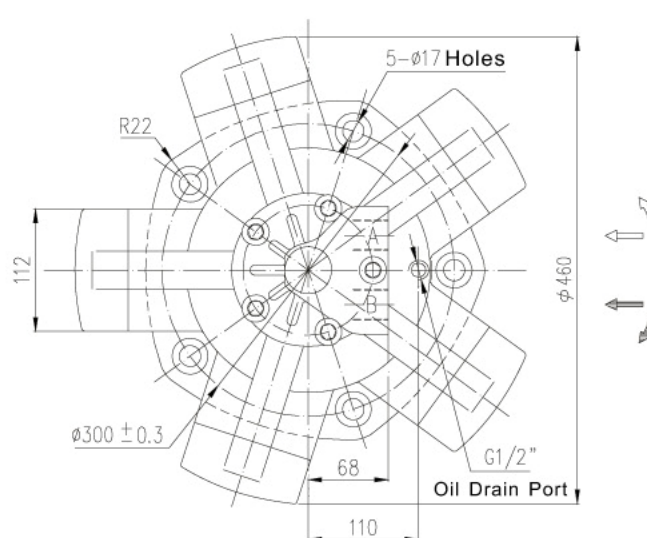
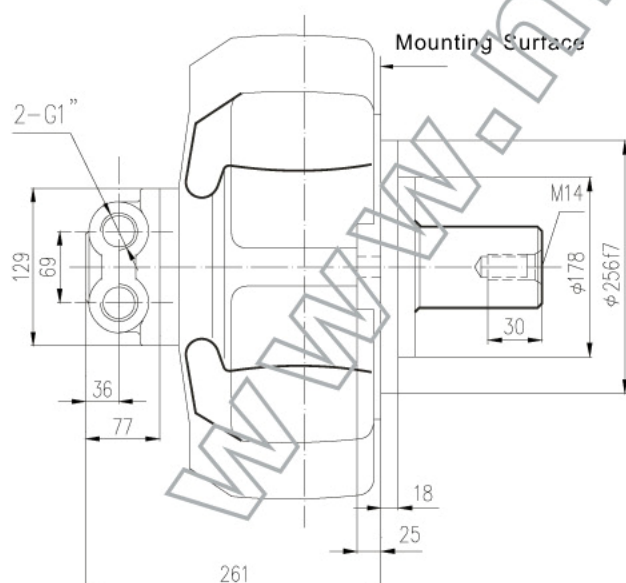
Ordering Information

SAM	11	1100	B	D 40
Product Type	Motor Series No.	Normal Displacement	Shaft Type	Distributor Type
SAM Axial Piston Motor	Motor Series No.	700: 700ml/r 800: 800ml/r 900: 900ml/r 1000: 1000ml/r 1100: 1100ml/r 1200: 1200ml/r 1300: 1300ml/r 1400: 1400ml/r	See Shaft Option	See Distributor Option

Technical Data Chart

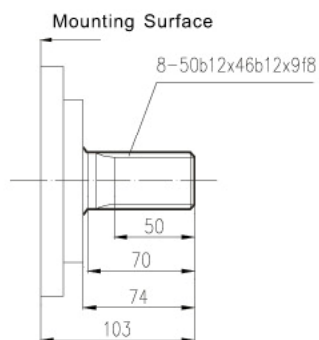
Model	Displacement (ml/r)	Rated Pressure (MPa)	Max Pressure (MPa)	Rated Torque (N.m)	Unit Theoric Torque (N.m/MPa)	Speed Range (r/min)	Weight (kgs)
SAM11-700	682	25	32	2667	114	4-400	94
SAM11-800	782	25	32	2959	120	4-400	
SAM11-900	894	25	32	3480	140	4-400	
SAM11-1000	981	20	25	2974	158	3-320	
SAM11-1100	1104	20	25	3336	177	3-320	
SAM11-1200	1234	16	20	3512	187	3-320	
SAM11-1300	1301	16	20	3080	197	3-250	
SAM11-1400	1401	16	20	3323	223	3-250	

Dimensions (mm) SAM11-700~1400

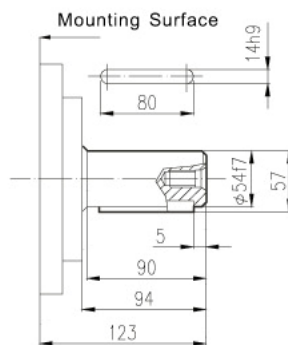


Shaft Option

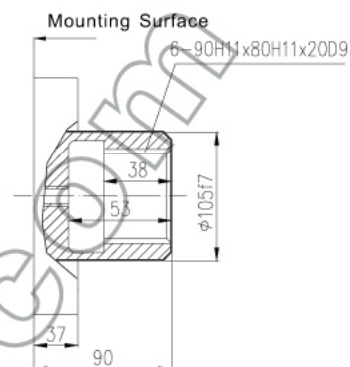
SAM11-**-



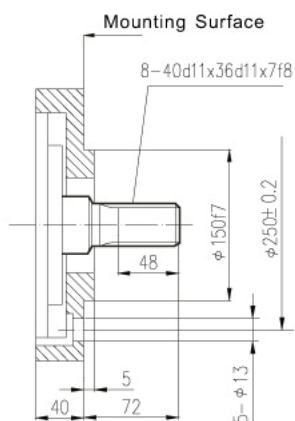
SAM11-**-B



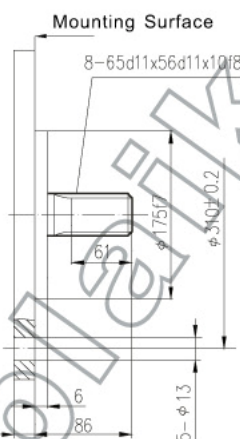
SAM11-**-I



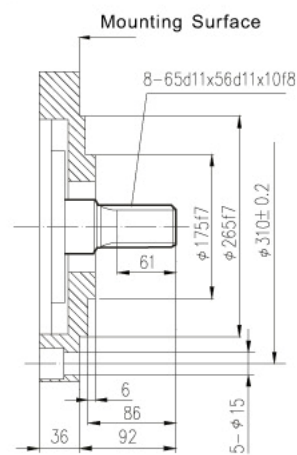
SAM11-**-SL3



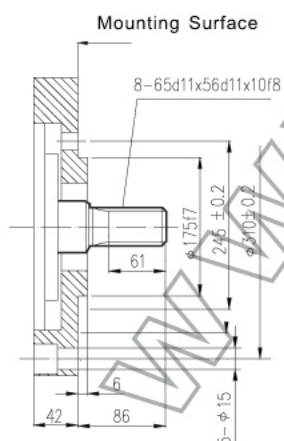
SAM11-**-SL4



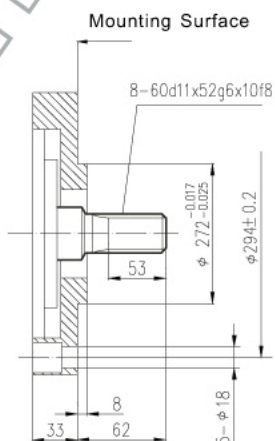
SAM11-**-SL5



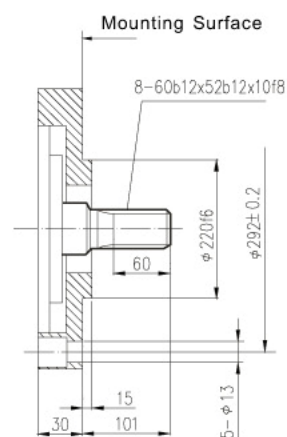
SAM11-**-SM4



SAM11-**-N

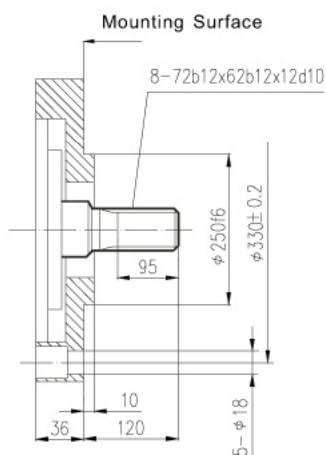


SAM11-**-N1

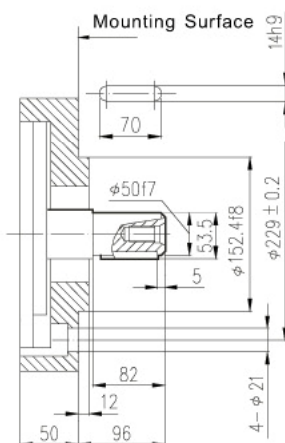


Shaft Option

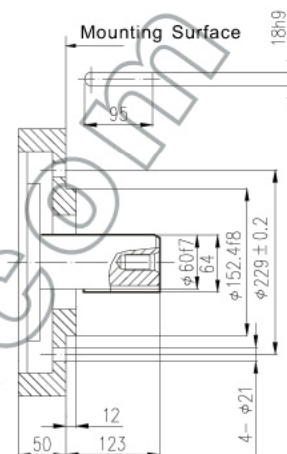
SAM11-**K



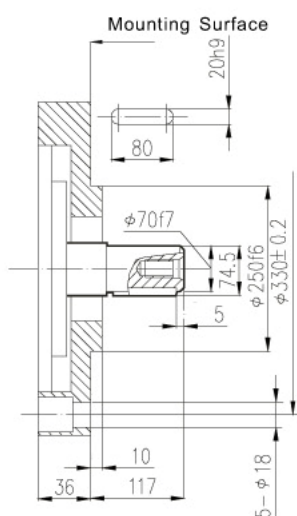
SAM11-**B4



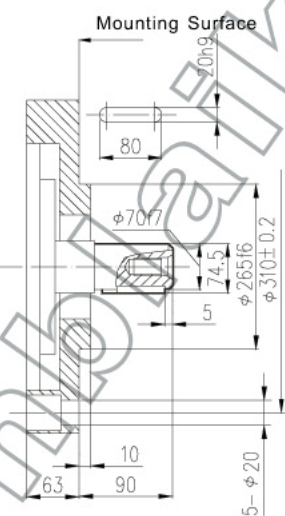
SAM11-**B6



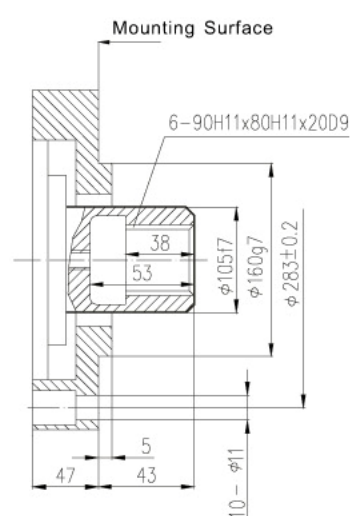
SAM11-**B35



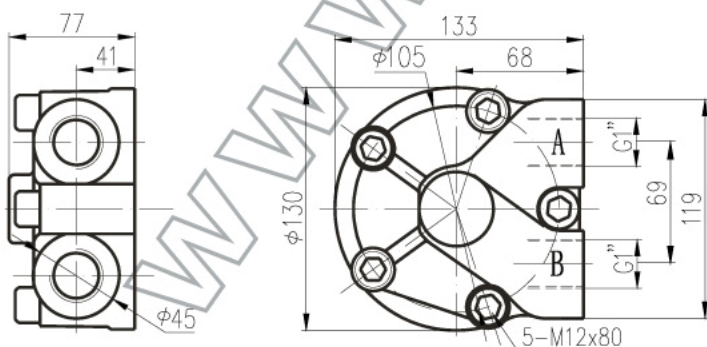
SAM11-**B46



SAM11-**I21



Distributor Option



D40

Distributor with BSP1" ports

If require NPT or Metric thread,
Please note it separately.

SAM16 Series Axial Piston Motor

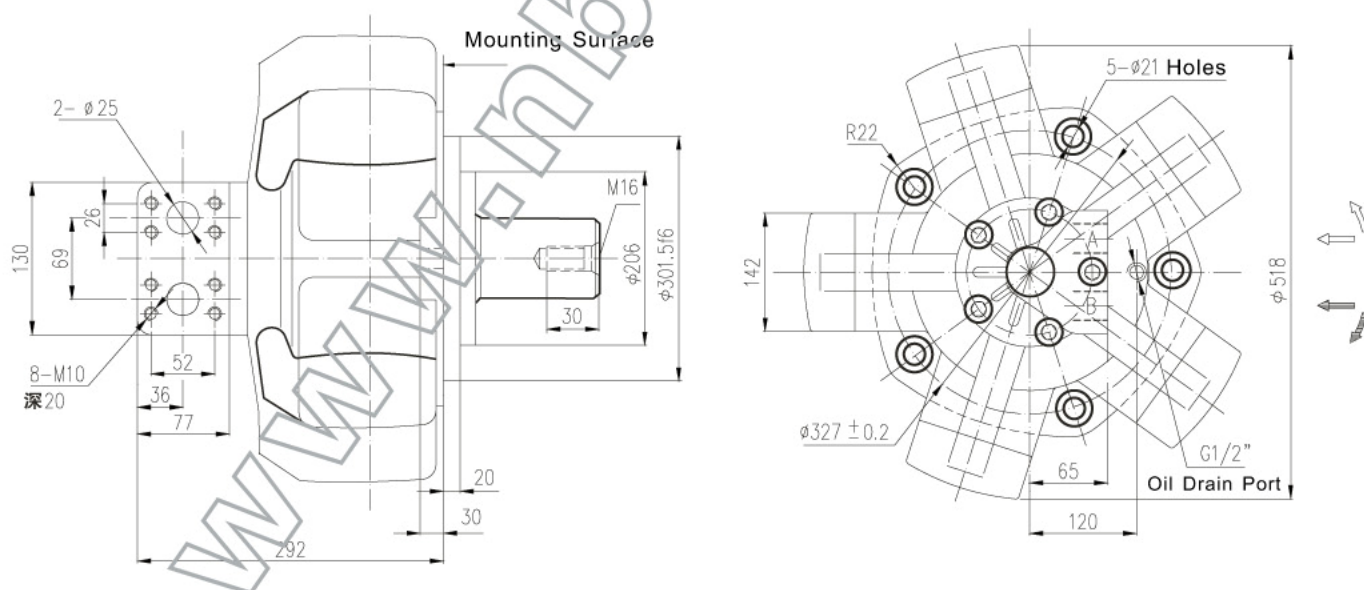
Ordering Information

SAM	16	1600	B	D47
Product Type	Motor Series No.	Normal Displacement	Shaft Type	Distributor Type
SAM Axial Piston Motor	Motor Series No.	1400: 1400ml/r 1600: 1000ml/r 1800: 1800ml/r 2000: 2000ml/r 2400: 2400ml/r	See Shaft Option	See Distributor Option

Technical Data Chart

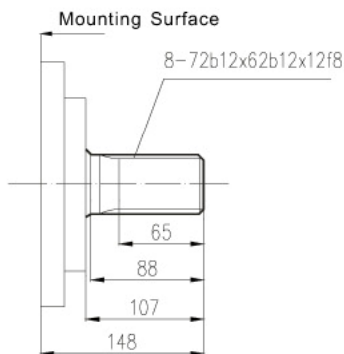
Model	Displacement (ml/r)	Rated Pressure (MPa)	Max Pressure (MPa)	Rated Torque (N.m)	Uni: Theoric Torque (N.m/MPa)	Speed Range (r/min)	Weight (kgs)
SAM16-1400	1413	25	32	5138	210	2-400	170
SAM16-1600	1648	20	25	6158	262	2-400	
SAM16-1800	1814	20	25	5433	283	2-320	
SAM16-2000	2034	16	20	6030	323	2-320	
SAM16-2400	2401	16	20	5763	360	2-250	

Dimensions (mm) SAM16-1400~2400

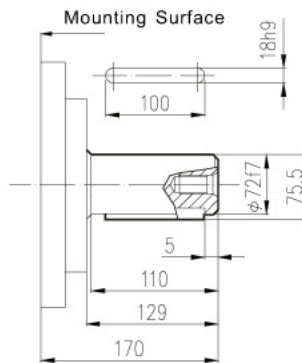


Shaft Option

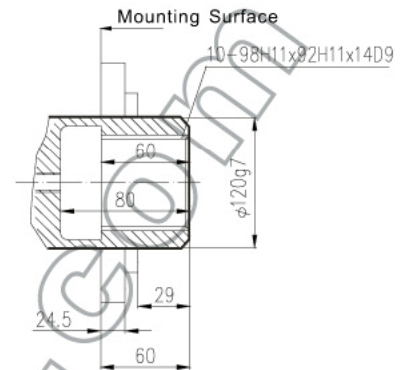
SAM16-**-



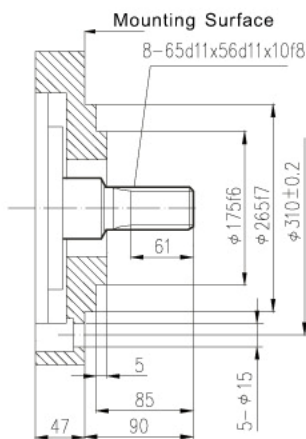
SAM16-**-B



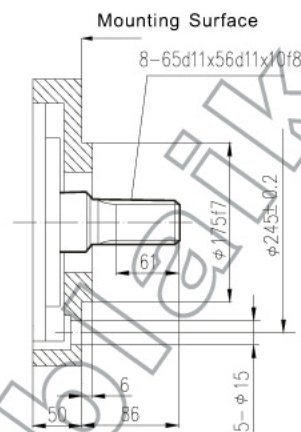
SAM16-**-I



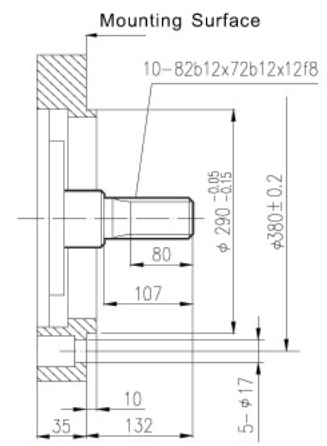
SAM16-**-SL5



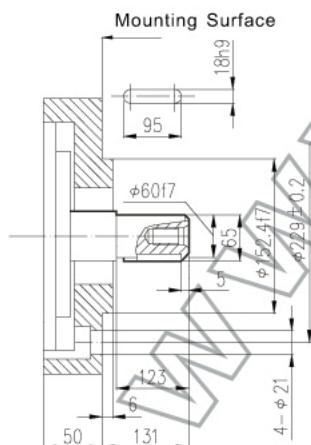
SAM16-**-Sm4



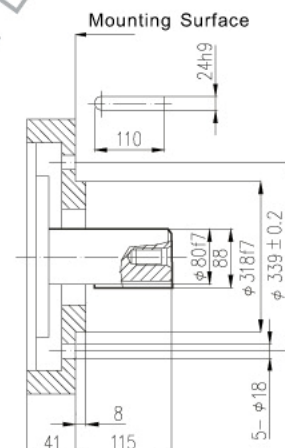
SAM16-**-N



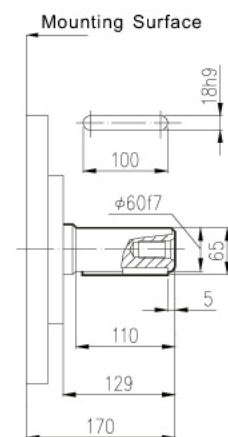
SAM16-**-B6



SAM16-**-B17

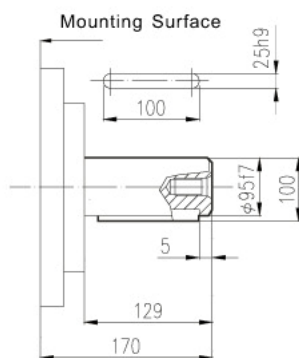


SAM16-**-B19

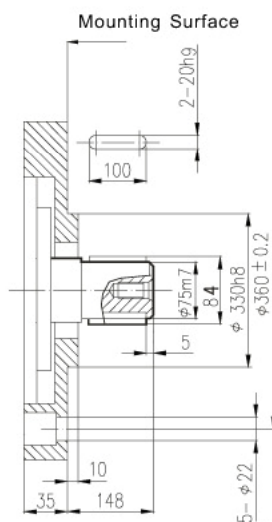


Shaft Option

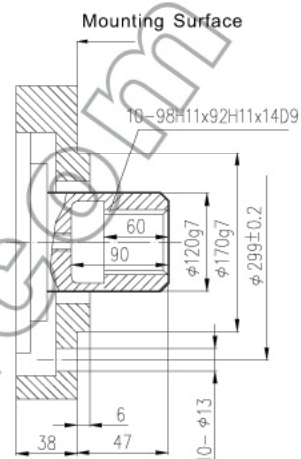
SAM16-**B30



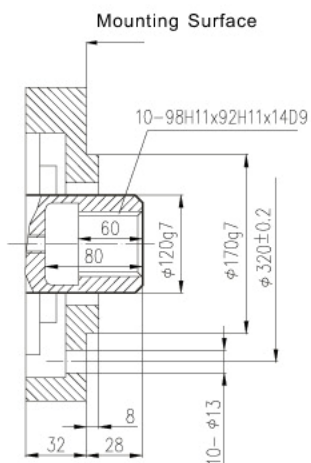
SAM16-**D



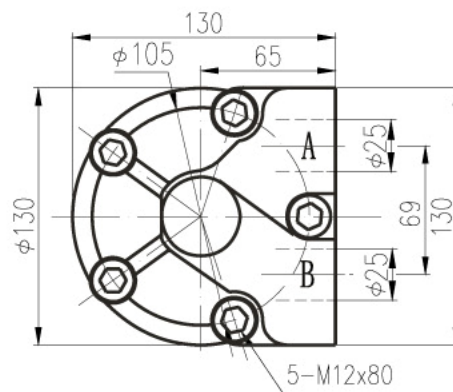
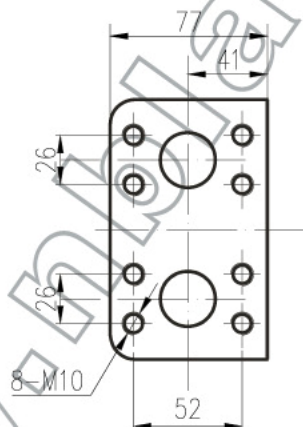
SAM16-**I32



SAM16-**I42



Distributor Option



D47: Distributor with $\phi 25$ flanges