Itahydraulic
Power Tecnology

MOMT SERIES HYDRAULIC MOTOR

MOMT series motor adapt the advanced Geroler gear set design 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.Can offer capacities of high pressure and high torque in the wide of applications.
* Advanced design in disc distrbution flow, which can automatically compensate in operating with high volume efficiency and long life, provide smooth and reliable operation.

Main Specificaion

Type		MOMT 160	MOMT 200	MOMT 230	MOMT 250	MOMT 315	MOMT 400	MOMT 500	MOMT 630	MOMT 800
Geometric displacement (cm^3/rev.)		161.1	201.4	232.5	251.8	326.3	410.9	523.6	629.1	801.8
Max. speed (rpm)	cont.	625	625	536	500	380	305	240	196	154
	int.	780	750	643	600	460	365	285	233	185
Max. torque (N•m)	cont.	470	590	670	730	950	1080	1220	1318	1464
	int.	560	710	821	880	1140	1260	1370	1498	1520
	peak	669	838	958	1036	1346.3	1450.3	1643.8	1618.8	1665
Max. output (kW)	cont.	27.7	34.9	34.7	34.5	34.9	31.2	28.8	25.3	22.2
	int.	32	40	40	40	40	35	35	27.5	26.8
Max. pressure drop (MPa)	cont.	20	20	20	20	20	18	16	14	12.5
	int.	24	24	24	24	24	21	18	16	13
	peak	28	28	28	28	28	24	21	19	16
Max. flow (L/min)	rated	80	100	100	100	100	100	100	100	100
	cont.	100	125	125	125	125	125	125	125	125
	int.	125	150	150	150	150	150	150	150	150
Max. inlet pressure (MPa)	cont.	21	21	21	21	21	21	21	21	21
	int.	25	25	25	25	25	25	25	25	25
	peak	30	30	30	30	30	30	30	30	30
Weight (kg)		19.5	20	20.4	20.5	21	22	23	24	25

* 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.

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Performance Data

MOMT 160 [161.1cm 3/rev.]

Pressure (MPa) — Max.cont. — Max.int.

Flow (L/min)	4	8	10	12	16	20	24
	88	176	228	275	361	447	535
10	**60**	**59**	**58**	**56**	**54**	**50**	**44**
	89	181	234	277	372	459	557
20	**121**	**120**	**117**	**114**	**109**	**103**	**95**
	91	180	235	277	381	471	573
40	**249**	**246**	**243**	**236**	**230**	**223**	**212**
	82	178	235	277	381	470	572
60	**371**	**367**	**362**	**356**	**349**	**340**	**330**
	78	173	229	276	379	466	567
80	**492**	**489**	**485**	**478**	**470**	**462**	**447**
Max.cont.	70	160	218	269	370	455	558
100	**614**	**611**	**606**	**598**	**590**	**582**	**570**
Max.int.	58	148	211	261	359	448	552
125	**770**	**764**	**758**	**750**	**741**	**731**	**715**

MOMT 200 [201.4cm 3/rev.]

Pressure (MPa) — Max.cont. — Max.int.

Flow (L/min)	4	8	10	12	16	20	24
	124	233	289	340	454	560	669
10	**47**	**46**	**45**	**42**	**39**	**37**	**33**
	125	239	298	347	468	576	696
20	**95**	**94**	**92**	**90**	**87**	**84**	**75**
	120	241	296	352	475	589	716
40	**195**	**193**	**191**	**187**	**183**	**178**	**167**
	116	237	295	352	478	589	718
60	**297**	**295**	**292**	**287**	**282**	**276**	**263**
	108	231	289	350	474	586	716
80	**395**	**393**	**389**	**384**	**377**	**370**	**359**
	99	227	286	344	471	580	712
100	**493**	**490**	**486**	**482**	**475**	**467**	**460**
Max.cont.	84	208	276	333	459	566	697
125	**615**	**611**	**607**	**602**	**595**	**588**	**572**
	70	194	260	324	447	554	682
Max.int. 150	**743**	**740**	**735**	**727**	**717**	**706**	**682**

MOMT 250 [251.8cm 3/rev.]

Pressure (MPa) — Max.cont. — Max.int.

Flow (L/min)	4	8	10	12	16	20	24
	138	286	355	419	559	689	824
10	**38**	**38**	**37**	**36**	**34**	**32**	**31**
	143	296	364	432	580	708	853
20	**76**	**75**	**74**	**72**	**70**	**67**	**62**
	139	301	372	440	593	723	884
40	**156**	**154**	**152**	**149**	**146**	**142**	**134**
	132	294	372	441	592	727	888
60	**237**	**236**	**233**	**229**	**224**	**219**	**207**
	128	283	364	433	587	721	887
80	**317**	**316**	**314**	**308**	**303**	**299**	**284**
	126	282	355	427	582	716	879
100	**396**	**394**	**391**	**387**	**381**	**373**	**359**
Max.cont.	116	260	340	414	568	703	864
125	**495**	**492**	**488**	**483**	**476**	**469**	**454**
	88	242	320	397	552	686	847
Max.int. 150	**592**	**589**	**585**	**580**	**572**	**565**	**545**

Torque (N•m) 552
Speed (rpm) **572**

MOMT 315 [326.3cm 3/rev.]

Pressure (MPa) — Max.cont. — Max.int.

Flow (L/min)	4	8	10	12	16	20	24
	184	363	453	545	734	891	1062
10	**30**	**29**	**28**	**27**	**26**	**25**	**23**
	189	380	472	562	757	917	1109
20	**60**	**59**	**58**	**56**	**54**	**52**	**50**
	191	381	484	570	774	954	1149
40	**121**	**120**	**118**	**115**	**112**	**109**	**104**
	189	376	493	573	772	962	1154
60	**183**	**181**	**179**	**175**	**172**	**168**	**158**
	179	369	479	565	768	954	1153
80	**244**	**242**	**239**	**236**	**231**	**227**	**217**
	169	357	467	562	758	942	1143
100	**305**	**304**	**301**	**298**	**294**	**289**	**276**
Max.cont.	147	336	447	544	745	920	1127
125	**380**	**378**	**375**	**371**	**367**	**362**	**349**
	119	318	432	526	713	894	1097
Max.int. 150	**458**	**456**	**453**	**449**	**444**	**431**	**425**

Itahydraulic
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Performance Data

MOMT 400 [410.9cm 3/rev.]

Pressure (MPa)

Flow (L/min)	3	6	9	12	15 (Max.cont.)	18	21 (Max.int.)
10	176 / **24**	367 / **23**	560 / **22**	715 / **21**	885 / **20**	1050 / **19**	1209 / **18**
20	179 / **49**	370 / **48**	565 / **47**	726 / **44**	899 / **42**	1071 / **40**	1236 / **38**
40	176 / **96**	370 / **95**	567 / **93**	733 / **90**	919 / **87**	1091 / **83**	1263 / **79**
60	174 / **145**	361 / **143**	563 / **139**	729 / **135**	920 / **131**	1095 / **127**	1269 / **121**
80	166 / **193**	353 / **191**	553 / **188**	719 / **184**	912 / **180**	1084 / **176**	1263 / **170**
100	150 / **242**	339 / **240**	538 / **238**	708 / **234**	896 / **228**	1067 / **224**	1252 / **218**
Max.cont. 125	135 / **302**	309 / **300**	524 / **298**	688 / **294**	873 / **289**	1045 / **285**	1221 / **278**
Max.int. 150	126 / **364**	292 / **362**	508 / **358**	666 / **354**	852 / **350**	1020 / **346**	1197 / **339**

MOMT 500 [523.6cm 3/rev.]

Pressure (MPa)

Flow (L/min)	3	6	9	12	14 (Max.cont.)	16	18 (Max.int.)
10	222 / **18**	451 / **18**	692 / **18**	892 / 17	1050 / **16**	1193 / **15**	1340 / **13**
20	231 / **37**	464 / **36**	714 / **35**	918 / 34	1070 / **33**	1220 / **32**	1377 / **30**
40	230 / **75**	466 / **74**	727 / **73**	941 / 72	1094 / **70**	1244 / **68**	1422 / **64**
60	225 / **113**	457 / **112**	714 / **111**	941 / 109	1088 / **107**	1245 / **105**	1409 / **101**
80	213 / **151**	431 / **150**	696 / **149**	927 / 147	1076 / **145**	1244 / **143**	1401 / **138**
100	194 / **189**	420 / **188**	680 / **187**	901 / 185	1063 / **183**	1224 / **181**	1383 / **177**
Max.cont. 125	182 / **237**	398 / **236**	641 / **235**	877 / 233	1024 / **231**	1199 / **229**	1352 / **225**
Max.int. 150	147 / **284**	369 / **283**	618 / **282**	853 / 280	1004 / **278**	1167 / **276**	1325 / **272**

MOMT 630 [629.1cm 3/rev.]

Pressure (MPa)

Flow (L/min)	3	6	9	10.5	12 (Max.cont.)	14	16 (Max.int.)
10	233 / **14**	520 / **14**	795 / **13**	902 / **13**	1074 / **13**	1194 / **11**	1363 / **11**
20	237 / **28**	554 / **27**	837 / **27**	953 / **26**	1117 / **26**	1239 / **24**	1407 / **22**
40	239 / **62**	553 / **62**	860 / **61**	987 / **60**	1171 / **59**	1308 / **56**	1483 / **54**
60	223 / **94**	544 / **94**	863 / **92**	978 / **91**	1172 / **90**	1318 / **86**	1498 / **82**
80	220 / **123**	537 / **122**	854 / **121**	965 / **119**	1172 / **118**	1314 / **114**	1497 / **110**
100	208 / **156**	522 / **155**	832 / **153**	945 / **152**	1156 / **150**	1303 / **147**	1488 / **142**
Max.cont. 125	201 / **196**	499 / **196**	810 / **194**	931 / **192**	1137 / **191**	1292 / **187**	1472 / **183**
Max.int. 150	174 / **233**	492 / **232**	785 / **231**	921 / **230**	1121 / **227**	1277 / **223**	1454 / **217**

Torque (N•m) 1121
Speed (rpm) **227**

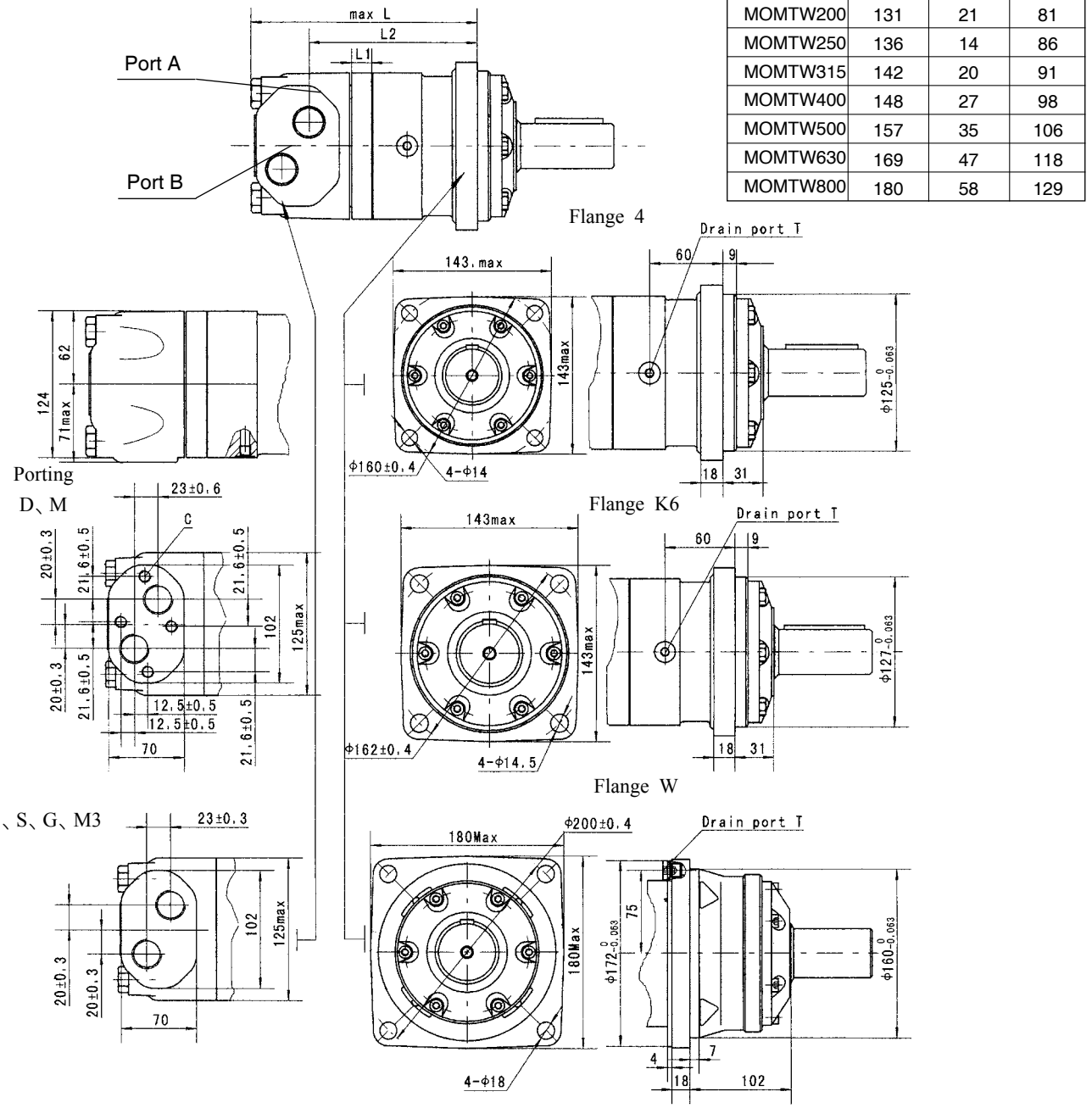
MOMT 800 [801.8cm 3/rev.]

Pressure (MPa)

Flow (L/min)	3	6	9	10.5	12.5 (Max.cont.)	13 (Max.int.)
10	346 / **12**	677 / **12**	1003 / **11**	1159 / **11**	1365 / **11**	1390 / **10**
20	356 / **24**	692 / **24**	1034 / **24**	1183 / **23**	1404 / **22**	1458 / **18**
40	365 / **50**	703 / **50**	1066 / **49**	1236 / **48**	1459 / **46**	1516 / **40**
60	354 / **74**	703 / **73**	1060 / **71**	1237 / **71**	1464 / **68**	1520 / **63**
80	332 / **99**	686 / **98**	1050 / **98**	1226 / **96**	1464 / **93**	1514 / **86**
100	305 / **125**	654 / **123**	1025 / **123**	1207 / **121**	1445 / **118**	1506 / **110**
Max.cont. 125	280 / **154**	622 / **153**	989 / **153**	1181 / **150**	1422 / **149**	1487 / **140**
Max.int. 150	247 / **185**	590 / **184**	953 / **183**	1156 / **181**	1406 / **179**	1476 / **172**

MOMT DIMENSIONS AND MOUNTING DATA

Model	L	L1	L2
MOMTW160	127	17	77
MOMTW200	131	21	81
MOMTW250	136	14	86
MOMTW315	142	20	91
MOMTW400	148	27	98
MOMTW500	157	35	106
MOMTW630	169	47	118
MOMTW800	180	58	129

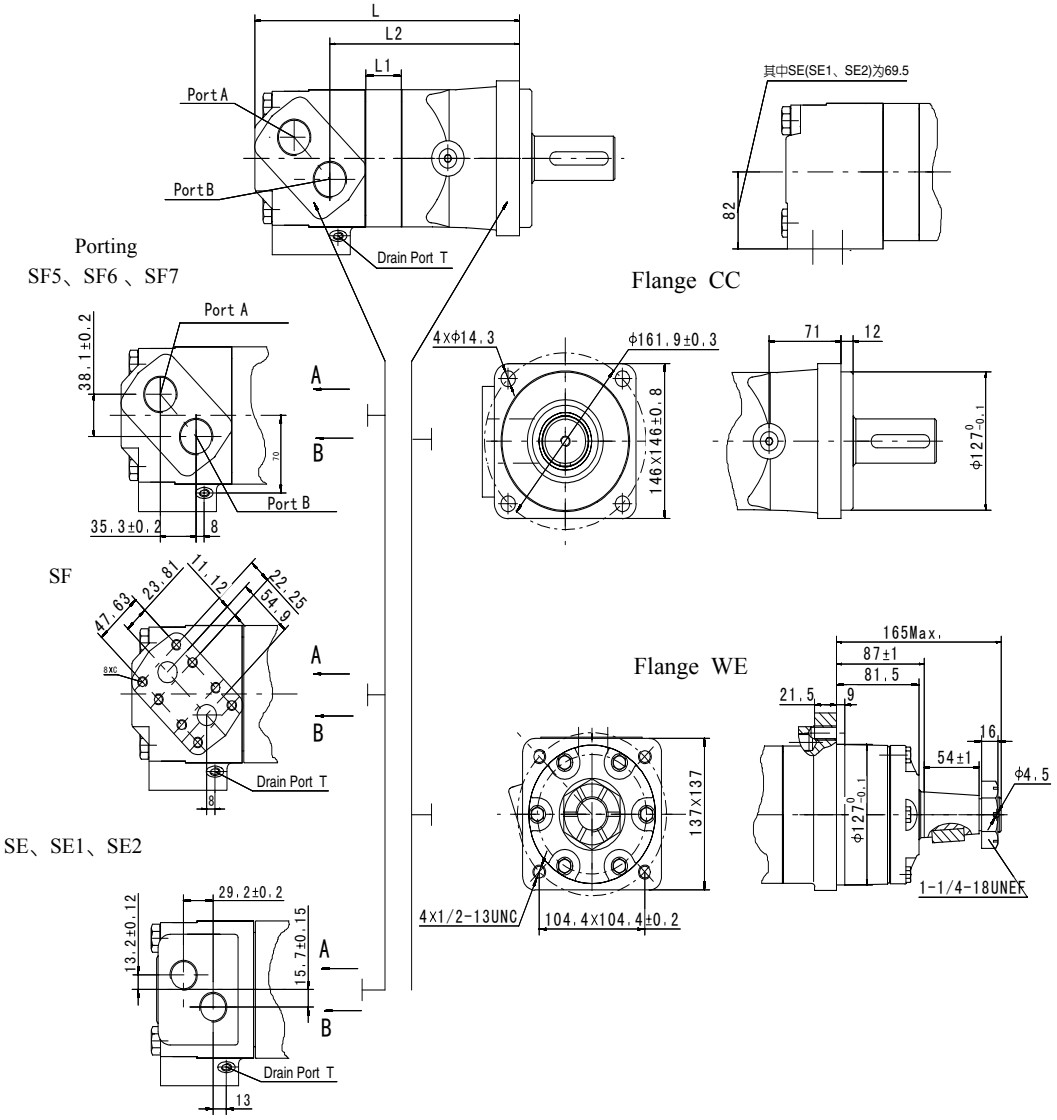


Model	L	L1	L2
MOMT160	193	17	142.5
MOMT200	197	21	146.5
MOMT250	204	14	152.5
MOMT315	210	20	158.5
MOMT400	217	27	165.5
MOMT500	225	35	173.5
MOMT630	237	47	185.5
MOMT800	248	58	196.5

Content / Mounting	Code					
	D (depth)	M (depth)	S (depth)	G (depth)	M3 (depth)	S1 (depth)
P(A,B)	G3/4 (18)	M27 x 2 (18)	1-1/16-12UN (18)	G3/4 (18)	M27 x 2 (18)	1-1/16-12UN (18)
T	G1/4 (12)	M14 x 1.5 (12)	9/16-18UNF (12)	G1/4 (12)	M14 x 1.5 (12)	7/16-20UNF (12)
C	4-M10(10)	4-M10(10)	--	--	--	--

Note:1)The thickness of the stator and rotor for disp. from 160 to 200 is the dimension of L1 adding on 3mm.
2)The thickness of the stator and rotor for disp. from 250 to 800 is the dimension of L1 adding on 7mm.

MOMTE DIMENSIONS AND MOUNTING DATA

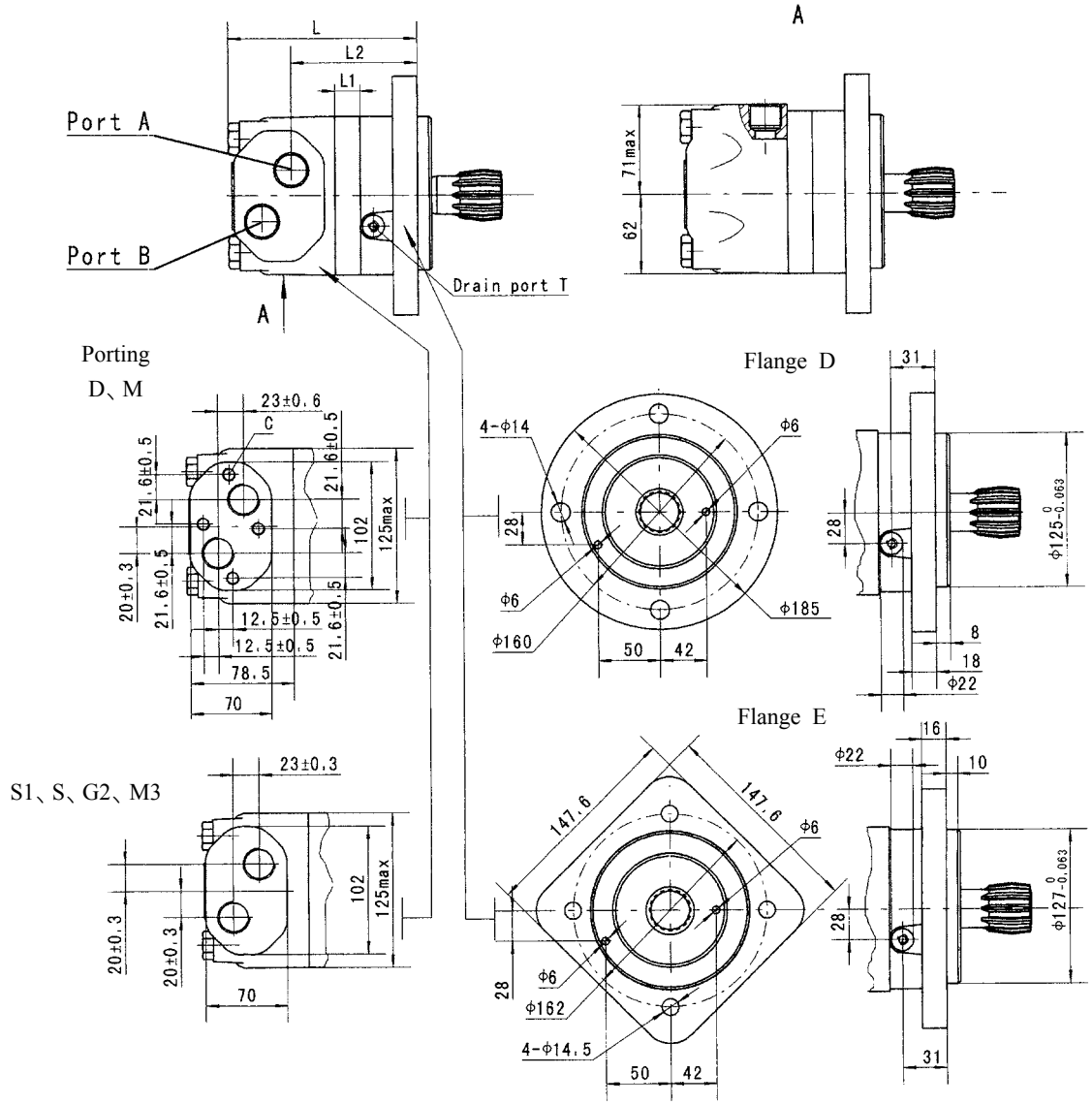


Model	L	L1	L2
MOMTE230	238.5	12	164.5
MOMTE250	240.5	14	166.5
MOMTE315	246.5	20	172.5
MOMTE400	253.5	27	179.5
MOMTE500	261.5	35	187.5
MOMTE630	273.5	47	199.5
MOMTE800	284.5	58	210.5

Note:1)The data for the port of SF (SF5 and SF6and sf7)
2)The data for the port of SE (SE1 and SE2) and flange WE:L-70 and L2-59.
3)The thickness of the stator and rotor for disp,from 315 to 800 is the dimension of L1 adding on 7mm.

Content / Mounting	Code						
	SF5(depth)	SF6 (depth)	SF7 (depth)	SF (depth)	SE (depth)	SE1 (depth)	SE2(depth)
P(A,B)	1-5/16-12UN (18)	M33 x 2 (18)	G1 (18)	3/4" (18)	1-1/16-12UN (18)	1-1/16-12UN (18)	G3/4 (18)
T	7/16-20UNF (12)	M14 x 1.5 (12)	G1/4 (12)	7/16-20UNF (12)	9/16-18UNF (12)	7/16-20UNF (12)	G1/4 (12)
C	--	--	--	8 x 3/8-16UNC	--		

MOMTS DIMENSIONS AND MOUNTING DATA

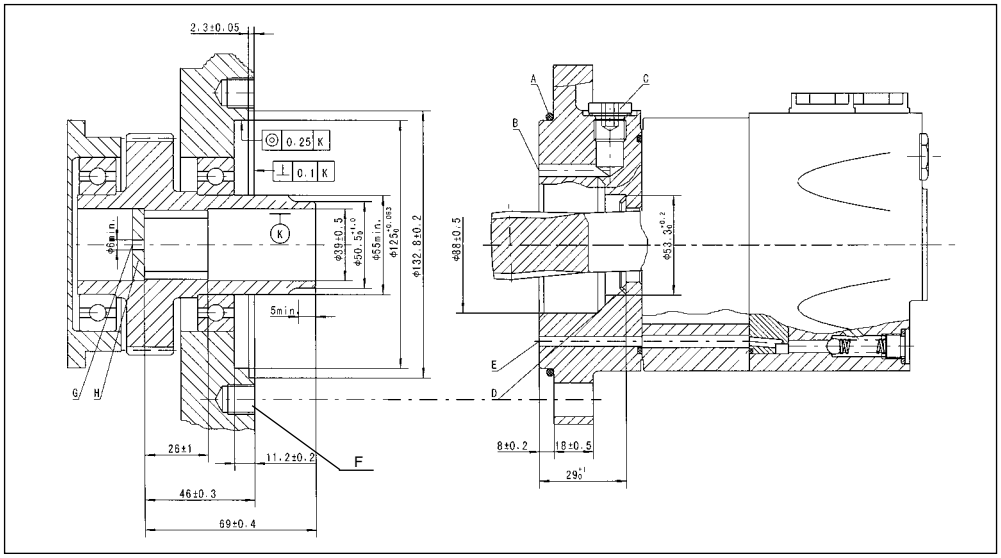


Model	L	L1	L2
MOMT160	148	17	96.5
MOMT200	152	21	100.5
MOMT250	157	14	109
MOMT315	163	20	115
MOMT400	170	27	122
MOMT500	178	35	130
MOMT630	190	47	142
MOMT800	201	58	153

Content / Mounting	Code					
	D (depth)	M (depth)	S (depth)	G (depth)	M3 (depth)	S1 (depth)
P(A,B)	G3/4 (18)	M27 x 2 (18)	1-1/16-12UN (18)	G3/4 (18)	M27 x 2 (18)	1-1/16-12UN (18)
T	G1/4 (12)	M14 x 1.5 (12)	9/16-18UNF (12)	G1/4 (12)	M14 x 1.5 (12)	7/16-20UNF (12)
C	4-M10(10)	4-M10(10)	--	--	--	--

Note:1)The thickness of the stator and rotor for disp.from 160 to 200 is the dimension of L1 adding on 3mm.
2)The thickness of the stator and rotor for disp.from 250 to 800 is the dimension of L1 adding on 7mm.

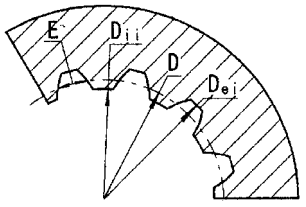
MOMTS MOUNTING DATA



A: O-ring:125x3
B: External drain channel
C: Drain connection G 1/4;12 mm deep
D: Conical seal ring
E: Internal drain channal
F: M12;min. 18mm deep
G: Oil circulation hole
H: Hardened stop plate

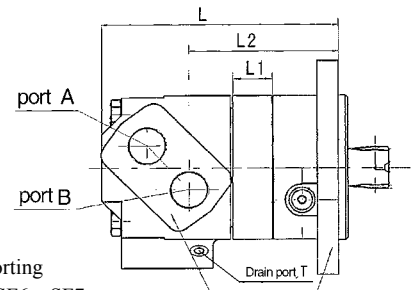
INTERNAL SPLINE DATA FOR THE ATTACHED COMPONENT

Fillet Root Side Fit		mm
Number of Teeth	Z	16
Diametral Pitch	DP	12/24
Pressure Angle	α_D	30°
Pitch Dia.	D	ø33.8656
Major Dia.	D_{ei}	ø38.4 $^{+0.25}_{0}$
Minor Dia.	D_{ii}	ø32.15 $^{+0.04}_{0}$
Space Width [Circular]	E	4.516±0.037



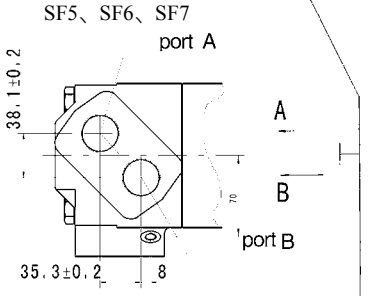
Hardering Specification: HRC 62±2
Effective case depth 0.7±0.2

MOMTJ DIMENSIONS AND MOUNTING DATA

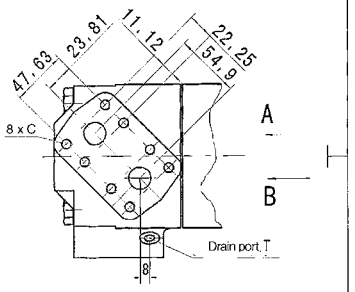


Porting

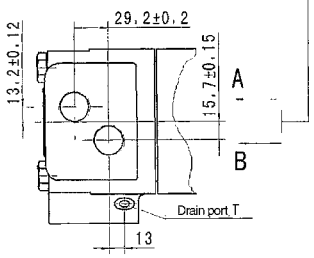
SF5、SF6、SF7

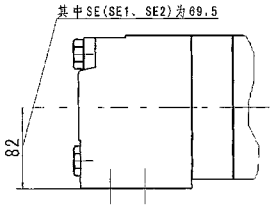


SF

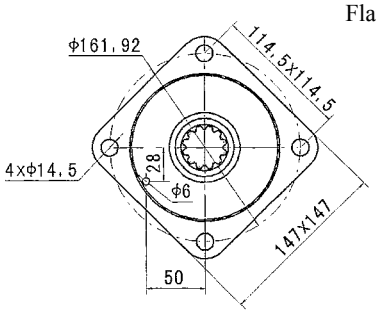


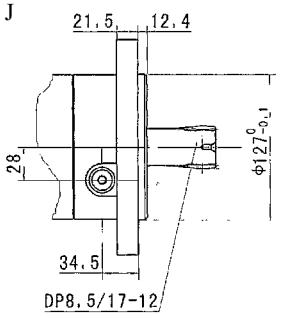
SE、SE1、SE2

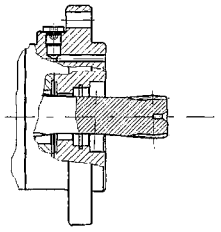




Flange J





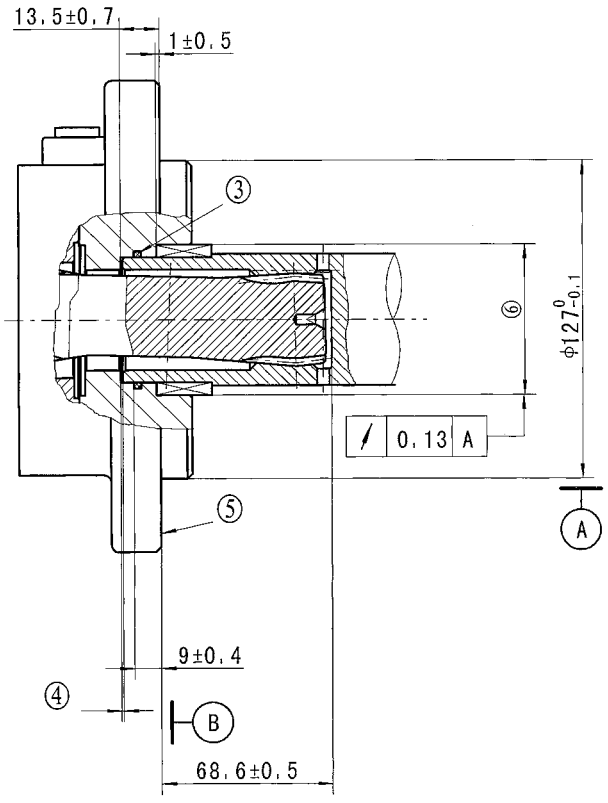


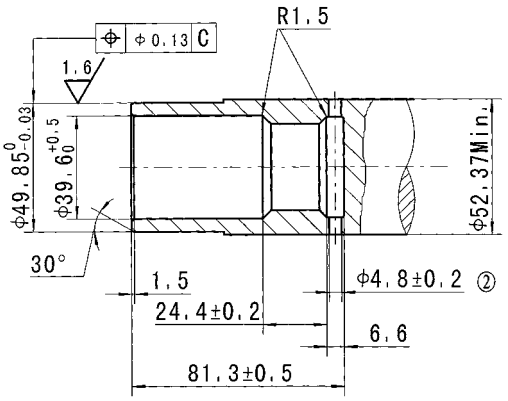
Model	L	L1	L2
MOMTJ230	176	12	104.5
MOMTJ250	178	14	106.5
MOMTJ315	184	20	112.5
MOMTJ400	191	27	119.5
MOMTJ500	199	35	127.5
MOMTJ630	211	47	139.5
MOMTJ800	222	58	150.5

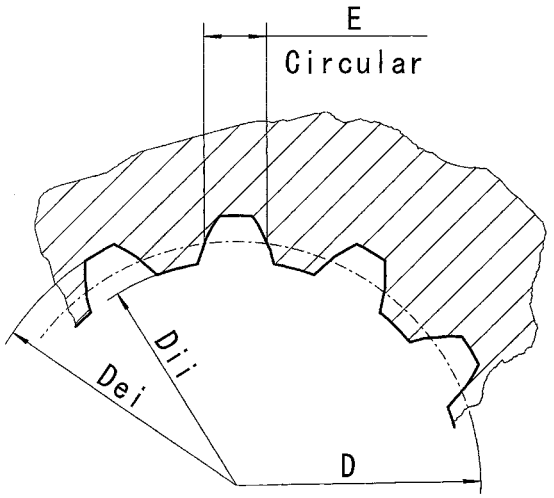
Note:1)The data for the port of SF (SF5 and SF6 andSF7).
2)The data for the port of SE (SE1 and SE2) and flange WE:L-70 and L2-59.
3)The thickness of the stator and rotor is the dimension of L1 adding on 7mm.

Content / Mounting	Code						
	SF5 (depth)	SF6 (depth)	SF7 (depth)	SF (depth)	SE (depth)	SE1 (depth)	SE2 (depth)
P(A,B)	1-5/16-12UN (18)	M33 x 2 (18)	G1 (18)	3/4" (18)	1-1/16-12UN (18)	1-1/16-12UN (18)	G3/4 (18)
T	7/16-20UNF (12)	M14 x 1.5 (12)	G1/4 (12)	7/16-20UNF (12)	9/16-18UNF (12)	7/16-20UNF (12)	G1/4 (12)
C	--	--	--	8 x 3/8-16UNC	--		

MOMTJ DIMENSIONS AND MOUNTING DATA







INTERNAL SPLINE DATA FOR THE ATTACHED COMPONENT

Fillet Root Side Fit		mm
Number of Teeth	Z	12
Diametral Pitch	DP	8.5/17
Pressure Angle	D	30˚
Pitch Dia.	α_D	ø35.858823
Major Dia.	D_{ei}	ø38.97$^{+0.20}_{0}$
Minor Dia.	D_{ii}	ø33.3$^{+0.18}_{0}$
Space Width [Circular]	E	5.866±0.032
Dimension between two pins(ø4)	M_e	26.929-27.084

①Internal spline in mating part to be as follows:Material to be ASTM A304, 8620H. Carborize to a hardness of 60-64HRC with case depth (to 50HRC) of 0.75-1［.030-.040］ (dimensions apply after heat treat).

②Mating part to have critical dimensions as shown,
Oil holes must be provided and open for proper oil circulation.

③Some means of maintaining clearance between shaft and mounting flange must be provided.

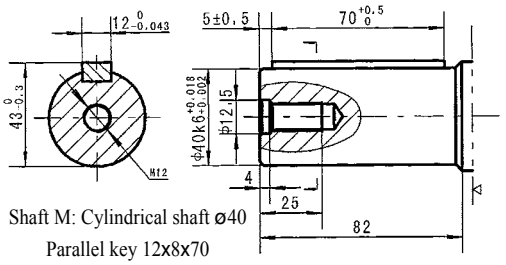
④Seal to be furnished with motor for proper oil circulation thru splines.

⑤Similar to SAE "C" Four Bolt Flange

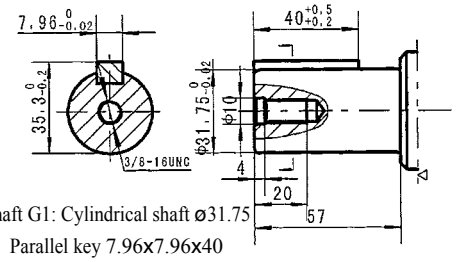
⑥Counterbore designed to adapt to a standard sleeve bearing 50.010-50.038［1.9689-1.9700］ ID by 60.51-60.079［2.3642-2.3653］ O.D.(Oilite bronze sleeve bearing).

C This surface to be diameter of output shaft.

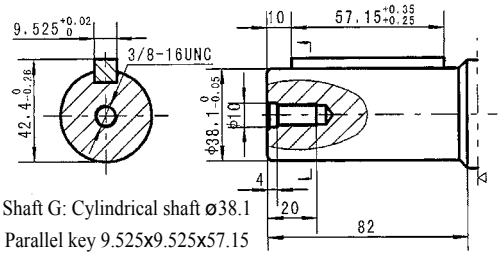
SHAFT EXTENSIONS FOR MOMT(E) MOTORS



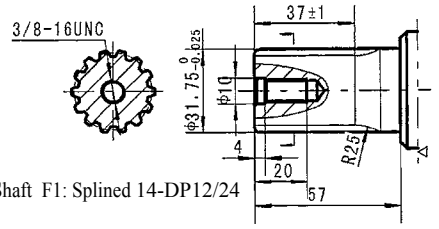
Shaft M: Cylindrical shaft ø40
Parallel key 12x8x70



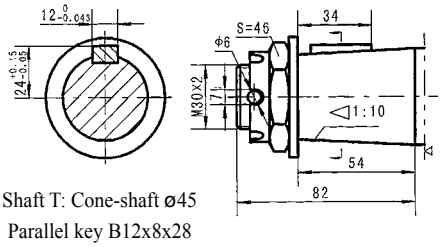
Shaft G1: Cylindrical shaft ø31.75
Parallel key 7.96x7.96x40



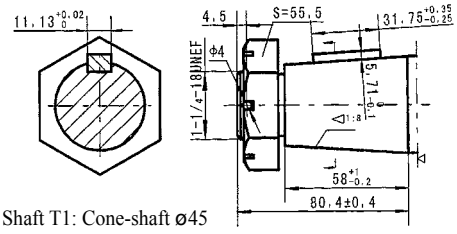
Shaft G: Cylindrical shaft ø38.1
Parallel key 9.525x9.525x57.15



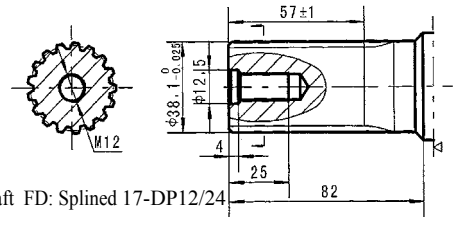
Shaft F1: Splined 14-DP12/24



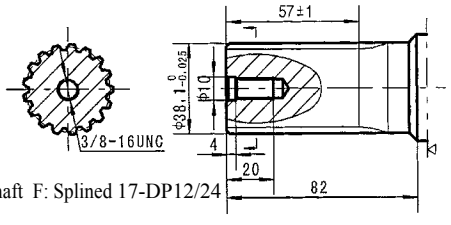
Shaft T: Cone-shaft ø45
Parallel key B12x8x28
Tightening torque:500 ± 10Nm



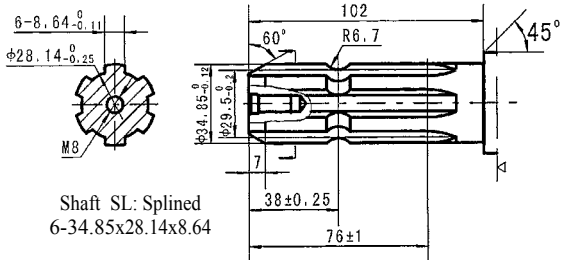
Shaft T1: Cone-shaft ø45
Parallel key 11.13x11.13x31.75
Tightening torque:500 ± 10Nm



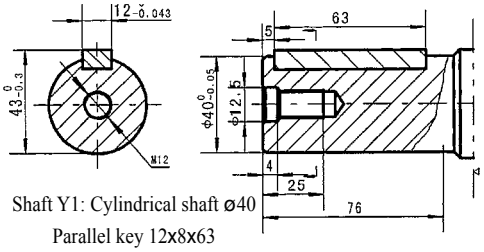
Shaft FD: Splined 17-DP12/24



Shaft F: Splined 17-DP12/24



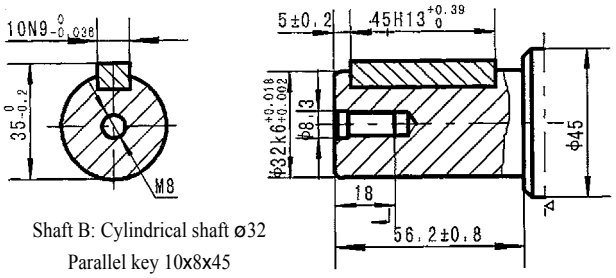
Shaft SL: Splined
6-34.85x28.14x8.64



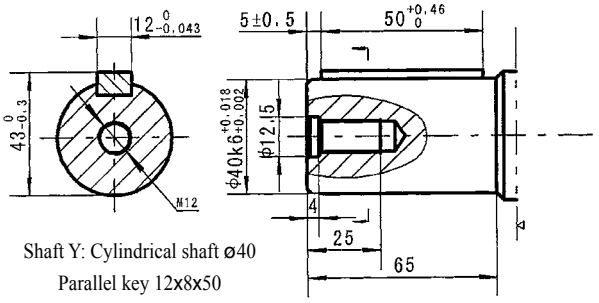
Shaft Y1: Cylindrical shaft ø40
Parallel key 12x8x63

▷ Motor Mounting Surface

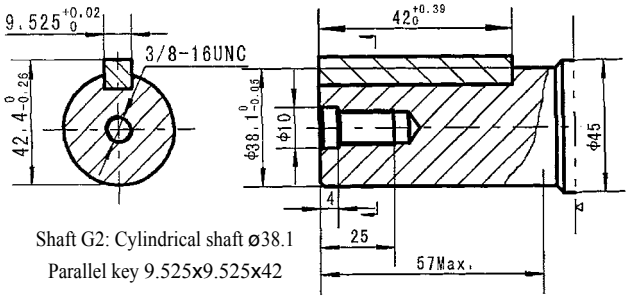
SHAFT EXTENSIONS FOR MOMT(E) MOTORS



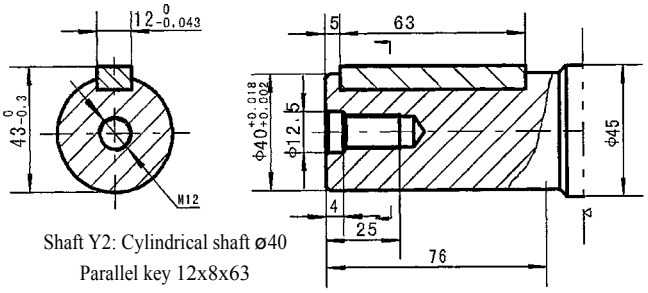
Shaft B: Cylindrical shaft ø32
Parallel key 10x8x45



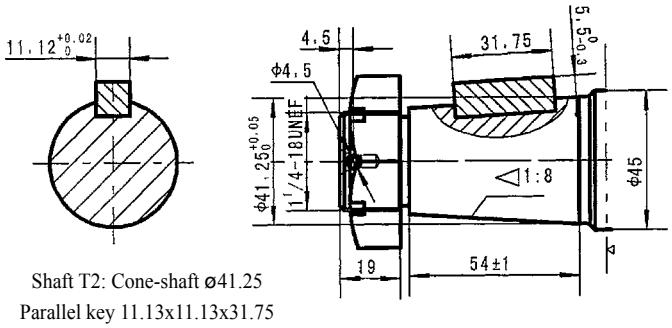
Shaft Y: Cylindrical shaft ø40
Parallel key 12x8x50



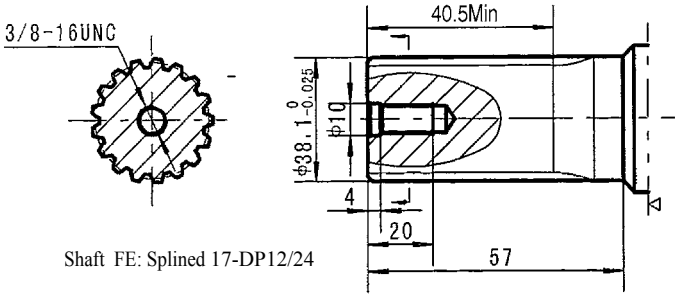
Shaft G2: Cylindrical shaft ø38.1
Parallel key 9.525x9.525x42



Shaft Y2: Cylindrical shaft ø40
Parallel key 12x8x63



Shaft T2: Cone-shaft ø41.25
Parallel key 11.13x11.13x31.75
Tightening torque:500 ± 10Nm

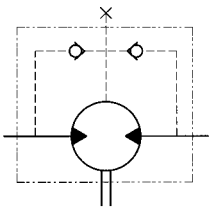


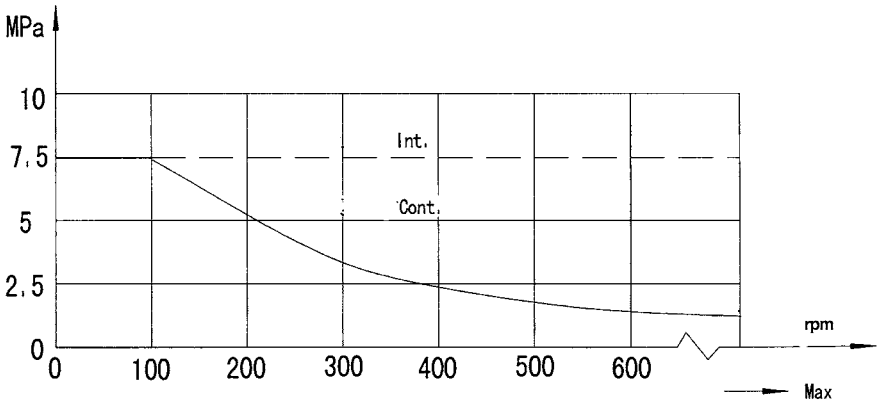
Shaft FE: Splined 17-DP12/24

▷ Motor Mounting Surface

MOMT Series Hydraulic Motor

Permissible shaft seal pressure

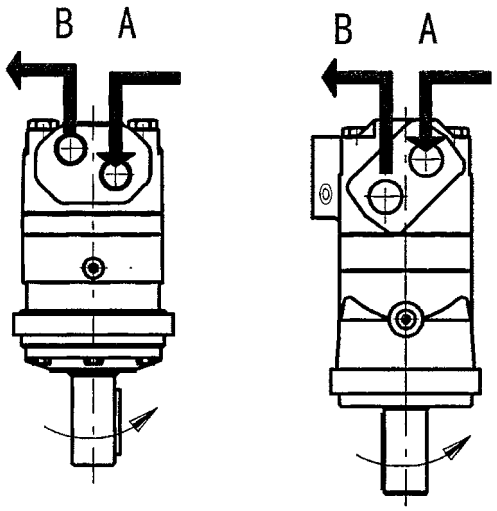




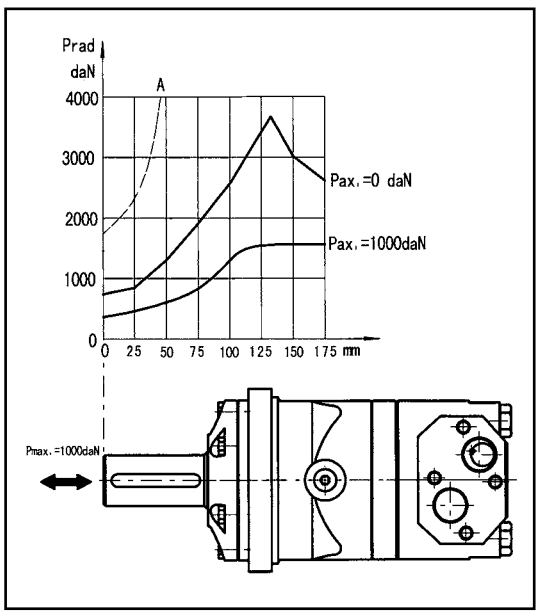
In applications without drain line, output shaft seal exceeds a bit of the pressure in the return line. When applications use the drain line, the pressure of output shaft seal equals the pressure in drain line.

Standard direction of shaft rotation: Standard

When facing shaft end of motor,shaft to rotate:
Clockwise when port "A" is pressurized.
Counter-clockwise port "B" is pressurized.



Axial and Radial forces



The output shaft runs in tapered bearings that permit high axial and radial forces, Curve "A" shows max radial shaft load, Any shaft loads exceeding the values quoted in the curve will involve a risk of breakage, The two other curves apply to a B10 bearing life of 3000 hours at 200 RPM.

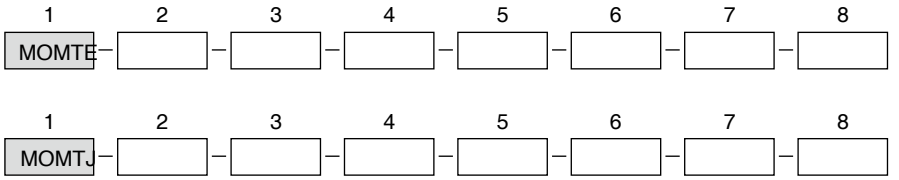
Itahydraulic
Power Tecnology

Order Information

1	2	3	4	5	6	7	8
MOMT	–	–	–	–	–	–	–
MOMTS	–	–	–	–	–	–	–

Pos.1	2	3		4		5		6		7		8	
Code	Disp.	Flange		Output Shaft		Port and Drain Port		Rotation Direction		Paint		Unusually Function	
MOMT	160 200 250 315 400 500 630 800	4	4-Ø14 Square-flangeØ160, pilotØ125 × 9	M	Shaft Ø40 , parllel key 12 × 8 × 70	D	G3/4 Manifold Mount,4-M10 , G1/4	Omit	Standard	00	No paint	Omit	Standard
		K6	4-Ø14.5Square-flangeØ162, pilotØ127 × 9	G	Shaft Ø38.1 ,parllel key 9.52 × 9.52 × 57.15	M	M27 × 2 Manifold Mount,4-M10, M14 × 1.5	R	Opposite	Omit	Blue	LL	Low Leakage
		W	4-Ø18 Wheel-flangeØ200, pilotØ160 × 7	F	Shaft Ø38.1 ,splined tooth 17-DP12/24	S	1-1/16-12UN O-ring, 9/16-18UNF			B	Black	F	Free Running
				FD	Shaft Ø38.1 ,splined tooth 17-DP12/24	S1	1-1/16-12UN O-ring, 7/16-20UNF			S	Silver grey	LS	Low Speed
				T	Cone-shaft 1:10 Ø45 ,parllel key B12 × 8 × 28	G	G3/4,G1/4						
				T1	Cone-shaft 1:8 Ø45 , parllel key 11.13 × 11.13 × 31.75	M3	M27 × 2,M14 × 1.5						
				SL	shaft Ø34.85,Splined key Splined key 6-34.85 × 28.14 × 8.64								
				G1	shaftØ31.75 , parllel key 7.96 × 7.96 × 40								
				F1	Shaft Ø31.75,splined tooth 14-DP12/24								
MOMTS		D	4-Ø14 Circle-flange Ø160, pilot Ø125 × 8	0mit	Short shaft 16-DP12/24								
		E	4-Ø14.5 Square-flange Ø162, pilot Ø127 × 10										

Order Information



Pos.1	2	3		4		5		6		7		8	
Code	Disp.	Flange		Output Shaft		Port and Drain Port		Rotation Direction		Paint		Unusually Function	
MOMTE	230 250 315 400 500 630 800	CC	4-Ø14.3 Square-flange Ø161.9, pilotØ127 × 12	G2 FE Y1 Y2 T2	Shaft Ø38.1 ,parllel key 9.52 × 9.52 × 42 Shaft Ø38.1 ,splined tooth 17-DP12/24 ShaftØ40,parllel key 12 × 8 × 63 ShaftØ40,parllel key 12 × 8 × 63 Cone-shaft 1:8 Ø41.25 , parllel key 11.13 × 11.13 × 31.75	SF SF5 SF6 SF7 SE SE1 SE2	3/4" , Manifold Mount,8-3/8-16UNC, 7/16-20UNF 1-5/16-12UN O-ring,7/16-20 UNF M33 × 2,M14 × 1.5 G1,G1/4 1-1/16-12UN O-ring,9/16-18UNF 1-1/16-12UN O-ring,7/16-20 UNF G3/4,G1/4	Omit R	Standard Opposite	00 Omit B S	No paint Blue Black Silver grey	Omit LL F LS	Standard Low Leakage Free Running Low Speed
		WE	4-1/2-13UNC Wheel-flangeØ147.6, pilotØ127 × 9	T3	Cone-shaft 1:8 Ø41.25 , parllel key 11.13 × 11.13 × 31.75								
MOMTJ		J	4-Ø14.5 Square-flange Ø161.9 pilot Ø127 × 12.4	Omit	Short shaft 12-DP8.5/17								

Note:When the table is used, please fill the code of left rows in the table and give us, which the code information is consists of construction, displacement, mounting flange, output shaft and ports . If the specification is not in the table or you have specific requirements, please contact us .