

■ BH型号意义 ORDERING CODE



Pos.1	系列号 Series	4		5		6	7
BH	排量 Disp	安装法兰 Flange		油口 Ports		特殊要求 Special features	旋转方向 Rotation direction
	50	2-φ13.5 椭圆形法兰, 止口 φ82.5x8 2-φ13.5 Oval flange politt φ82.5x8		进油口 P(A,B)(深) Ports(A,B)(deep)		省略 Omit	标准 Standard
	80			出油口 T(深) Drain port T(deep)			
	100			代号 Code	Y	G1/2 (15)	M14x1.5 (12)
	125			P1	Y1	M18x1.5 (15)	M14x1.5 (12)
	160			P3	Y2	M22x1.5 (15)	M14x1.5 (12)
	200	H3	Y9	NPTF-1/2 (15)	7/16-20UNF (12)		
	250	H5	Y10	G1/2 (15)	G1/4 (12)		
	315		Y15	7/8-14UNF (15)	7/16-20UNF (12)		
	400						

■ 产品概述 INTRODUCTION



本系列马达是一种小体积、经济型转配流液压马达。适用于负载小且眼工作的台，广泛应用于农业、林业、塑料、机床、矿业机械，如注塑机的调模，清扫机、锯木机、工作平台等。

TMPH series motors is a compact, economical and spool valve type of hydraulic motor. Suitable for working conditions with small load and intermittent operation. Widely used in agriculture, forestry, plastics, machine tools and mining machinery. Such as in jection plastic machine's mold ad justment, sweeping car, sawmill and other work platforms.

■ 性能特点 CHARACTERISTICS

1. 采用了有液柱的摆线轮组，摩擦力小、机械效率高、寿命长。
2. 轴密封承压高，可串、并联使用。
3. 内置2个单向阀，可以不需要外接泄漏油管。
4. 具有与BMR系列相同性能优化点，但尺寸与BMP系列相似。
5. 安装法兰面与壳体是分体的，故方便法兰面的更换。

1. Due to the geroler type, it has low friction, high mechanical efficiency and long lifetime.
2. High shaft seal could be used in parallel and in series.
3. With two inside check valves, it needn't to connect the case drain.
4. Same performance with BMR series motor, similar size with BMP series motor.
5. The mounting flange and the front housing are separated, so it is easy to replace the flange.

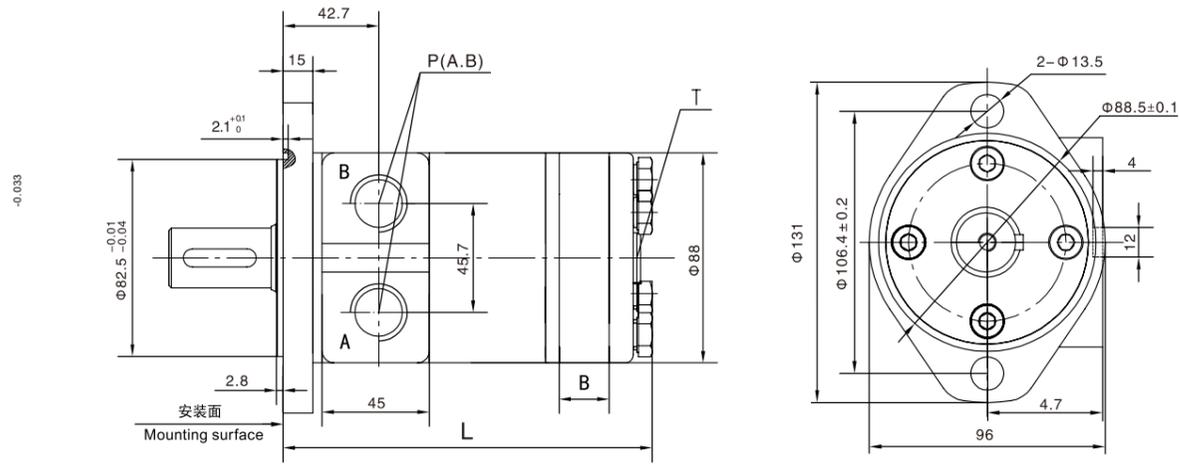
■ TMPH 技术参数 TECHNICAL DATA

型号 TYPE	TMPH-50	TMPH-80	TMPH-100	TMPH-125	TMPH-160	TMPH-200	TMPH-250	TMPH-315	TMPH-400
排量 Displacement(ml/r)	49.3	76.6	95.8	120.4	153.2	191.6	240.8	306.5	383.1
最大压降 Max. Pressure Drop (Mpa)	连续 cont.	14	14	14	14	14	11	9	7
	间断 int.	17.5	18	18	18	18	18	16	12
	尖峰 peak.	20	22	22	22	22	22	20	16
最大扭矩 Max. torque (N.m)	连续 cont.	90	145	180	225	295	350	350	360
	间断 int.	115	185	230	290	370	465	515	585
	尖峰 peak.	130	225	282	350	450	560	640	730
最大转速(连续) Max. Speed (cont.)(r/min)	810	780	625	495	390	310	245	195	155
最大流量(连续) Max. Flow(L/min)	40	60	60	60	60	60	60	60	60
最大输出功率 Max. Output Power(cont.)(Kw)	6.5	10	10	10	10	10	7.4	6	4.8
重量 Weight (kg)	5.8	6.2	6.5	6.8	7.2	7.5	8	8.6	9.2

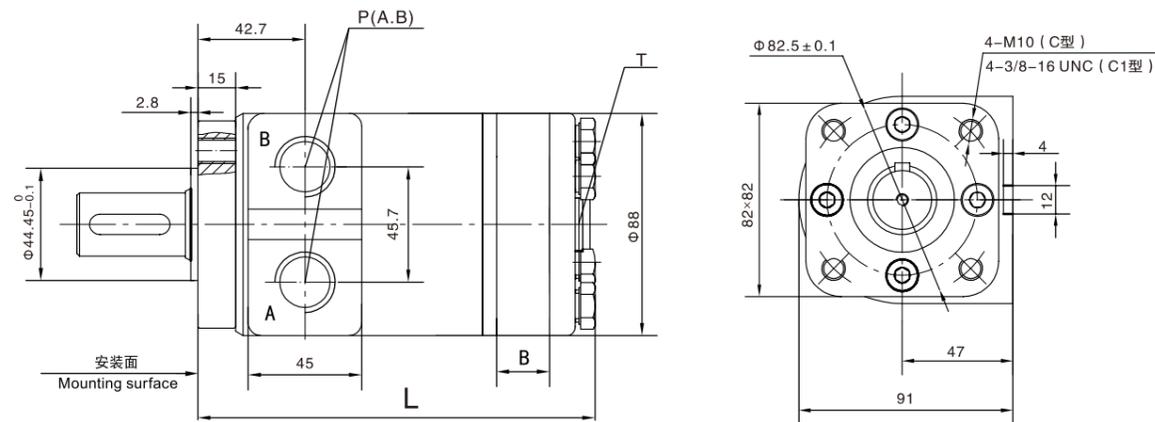
1. 间断工作时间每分钟不得超过6秒，尖峰工作时间每分钟不得超过0.6秒。
Intermittent operation the permissible valves may occur for max.10% of every minute
Peak load: the permissible valves may occur for max.1% of every minute
2. 不建议同时在最高转速和最大扭矩下使用。
to use under max. speed & max pressure at the same time is not recommended

■ TPH外形安装图 Installation

AII 2孔菱形法兰 2-Ø13.5hole oval flange AII



C,C1型法兰 Square flange C,C1



型号 TYPE	TMPH-50	TMPH-80	TMPH-100	TMPH-125	TMPH-160	TMPH-200	TMPH-250	TMPH-315	TMPH-400
L	148	153	156.5	161	167	174	183	195	209
B	9	14	17.5	22	28	35	44	56	70

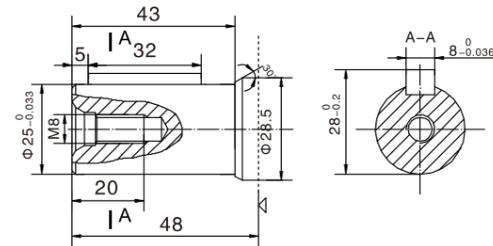
■ TPH 油口代号 Ports Code

油口 Ports 代号 Code	P(A、B)(深deep)	C (深deep)	T (深deep)
Y	G1/2 (15)	—	M14 × 1.5 (12)
Y7	ZG1/2 (15)	—	G1/4 (12)
Y9	NPTF1/2 (15)	—	7/16-20 UNF(12)
Y10	G1/2 (15)	—	G1/4 (12)
Y15	7/8-14UNF (15)	—	7/16-20 UNF(12)

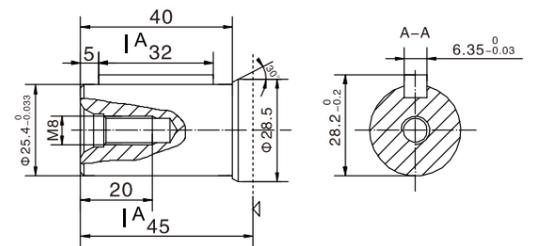
P(A、B)--进出口, C--油口面安装螺纹 (—表示没有此螺纹孔), T--泄油口
P(A、B)--Ports, C--Mounting Thread (—Indicates no this thread), T--Drain connettion

■ TPH 外形安装尺寸-输出轴SHAFT VERSION

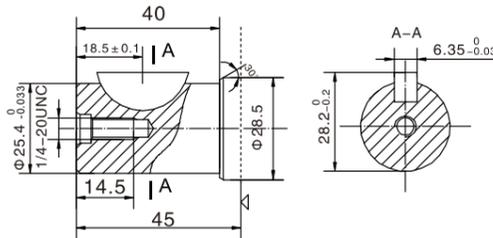
P1: Ø25平键轴, 平键8×7×32
Ø25Cylindrical shaft, parallel key 8×7×32



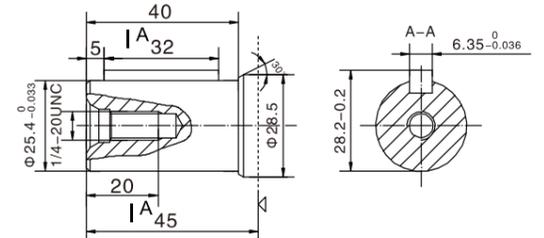
P3: Ø25.4平键轴, 平键6.35×6.35×32
Ø25.4Cylindrical shaft, parallel key 6.35×6.35×32



P4: Ø25.4平键轴, 半圆键Ø25.4×6.35
Ø25.4Cylindrical shaft, Woodruff key Ø25.4×6.35



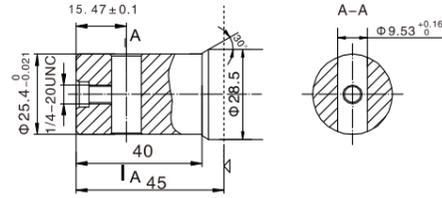
P33: Ø25.4平键轴, 平键6.35×6.35×32
Ø25.4Cylindrical shaft, parallel key 6.35×6.35×32



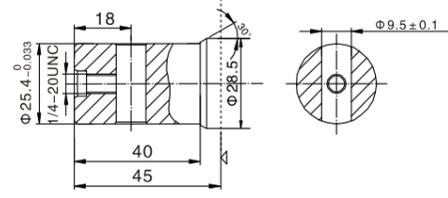
◁: 马达安装面
Motor mounting surface

■ TMPH 外形安装尺寸-输出轴SHAFT VERSION

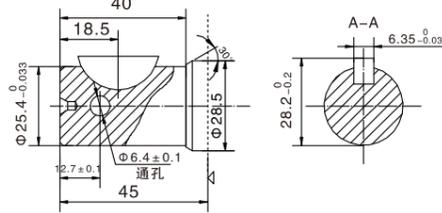
P89: $\Phi 25.4$ 轴, 距轴15.47处 $\Phi 9.53$ 通孔
 $\Phi 25.4$ Cylindrical shaft pin hole $\Phi 9.53$



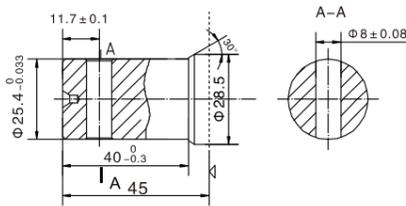
P93: $\Phi 25.4$ 轴, 距轴18处 $\Phi 9.5$ 通孔
 $\Phi 25.4$ Cylindrical shaft pin hole $\Phi 9.5$



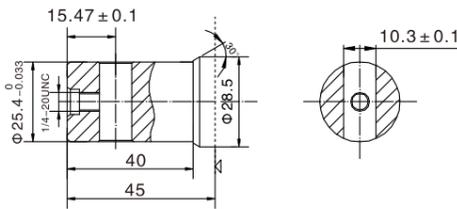
P95: $\Phi 25.4$ 轴, 距轴12.7处 $\Phi 6.4$ 通孔, 半圆键 $\Phi 25.4 \times 6.35$
 $\Phi 25.4$ Cylindrical shaft pin hole $\Phi 6.4$
 Woodruff key $\Phi 25.4 \times 6.35$



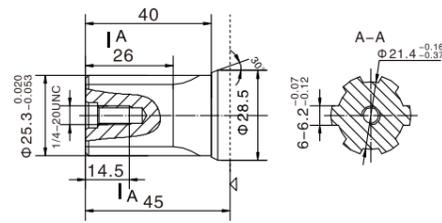
P96: $\Phi 25.4$ 平键轴, 距轴11.7处 $\Phi 8$ 通孔
 $\Phi 25.4$ Cylindrical shaft pin hole $\Phi 8$



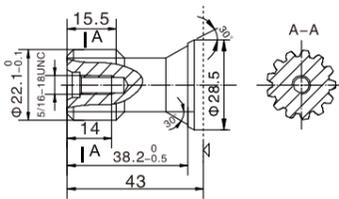
P97: $\Phi 25.4$ 平键轴, 距轴15.47处 $\Phi 10.3$ 通孔
 $\Phi 25.4$ Cylindrical shaft pin hole $\Phi 10.3$



H4: $\Phi 25.3$ 矩形花键轴, 6-25.3 $\times 21.4 \times 6.2$
 $\Phi 25.3$ Splined Shaft, 6-25.3 $\times 21.4 \times 6.2$

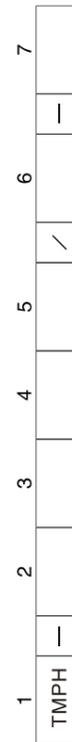


K8: $\Phi 22.1$ 渐开线花键轴, 13-DP 16/32
 $\Phi 22.1$ involute Cylindrical shaft, 13-DP 16/32



◁: 马达安装面
 Motor mounting surface

■ TMPH型号意义



Pos.1 系列号 Series	排量 Disp	3 输出轴 Output	4 安装法兰 Flange	5 油口Ports		6 特殊要求 Special features	7 旋向 Rotation direction			
				代号 Code	进出口油口(A,B)(深) Ports(A,B)(deep)			泄油口T(深) Drain port T(deep)		
TMPH	50	P1 $\Phi 25$ 平键轴, 平键 $6 \times 7 \times 32$ $\Phi 25$ Cylindrical shaft, parallel key $6 \times 7 \times 32$	A II 2- $\Phi 13.5$ 菱形法兰, 止口 $\Phi 82.5 \times 6$ 2- $\Phi 13.5$ Oval flange, pilot $\Phi 82.5 \times 6$ C 4-M10方形法兰, 止口 $\Phi 44.45 \times 2.8$ 4-M10 Square flange, pilot $\Phi 44.45 \times 2.8$	Y	G1/2(15)	M14 \times 1.5(12)	标准 Standard	相反 Opposite		
	80	P3 $\Phi 25.4$ 平键轴, 平键 $6.35 \times 6.35 \times 32$ $\Phi 25.4$ Cylindrical shaft, parallel key $6.35 \times 6.35 \times 32$		Y7	ZG1/2(15)	G1/4(12)	省略 Omit	标准 Standard		
	100	P4 $\Phi 25.4$ 平键轴, 半圆键 $\Phi 25.4 \times 6.35$ $\Phi 25.4$ Cylindrical shaft, Woodruff key $\Phi 25.4 \times 6.35$		Y9	NPTF1/2(15)	7/16-20UNF(12)	T21	标准 Standard	相反 Opposite	
	125	P33 $\Phi 25.4$ 平键轴, 平键 $6.35 \times 6.35 \times 32$ $\Phi 25.4$ Cylindrical shaft, parallel key $6.35 \times 6.35 \times 32$		Y10		G1/2(15)		标准 Standard	相反 Opposite	
	160	P89 $\Phi 25.4$ 轴, 距轴15.47处 $\Phi 9.53$ 通孔 $\Phi 25.4$ Cylindrical shaft pin hole $\Phi 9.53$						标准 Standard	相反 Opposite	
	200	P93 $\Phi 25.4$ 轴, 距轴18处 $\Phi 9.5$ 通孔 $\Phi 25.4$ Cylindrical shaft pin hole $\Phi 9.5$						标准 Standard	相反 Opposite	
	250	P95 $\Phi 25.4$ 平键轴, 距轴12.7处 $\Phi 6.4$ 通孔, 半圆键 $\Phi 25.4 \times 6.35$ $\Phi 25.4$ Cylindrical shaft pin hole $\Phi 6.4$, Woodruff key $\Phi 25.4 \times 6.35$						标准 Standard	相反 Opposite	
	315	P96 $\Phi 25.4$ 轴, 距轴11.7处 $\Phi 8$ 通孔 $\Phi 25.4$ Cylindrical shaft pin hole $\Phi 8$						标准 Standard	相反 Opposite	
	400	H4 $\Phi 25.3$ 矩形花键轴, 6-25.3 $\times 21.4 \times 6.2$ $\Phi 25.3$ Splined shaft, 6-25.3 $\times 21.4 \times 6.2$						标准 Standard	相反 Opposite	
				K8 $\Phi 22.1$ 渐开线花键轴, 13-DP16/32 $\Phi 22.1$ involute splined shaft, 13-DP16/32					标准 Standard	相反 Opposite