

P5 系列齿轮泵简介

Introduction to P5 Series Gear Pumps

特点

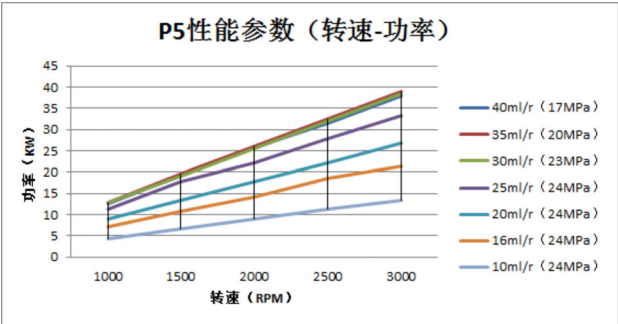
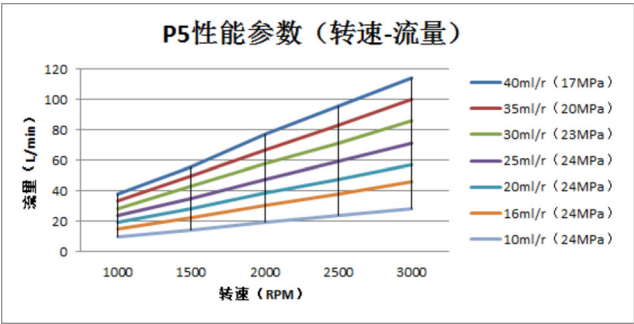
- 结构紧凑的重载轴套设计
- 排量从5至40ml/r
- 工作压力可达到28MPa
- 工作转速可达到3000r/min
- 采用高强度铸铁结构
- 可以组装成单联泵、双联泵、三联及四联泵结构
- 高强度合金钢齿轮和连接轴
- 安装形式、油口、轴伸有多种设计可供选择
- 特殊耐磨涂层的浮动侧板保证高效率的输出
- 前后盖及泵体采用高精度的过渡配合圆柱销连接
- 100%出厂试验检测



FEATURES

- Heavy duty sleeve bushing design in a small frame size
 - Cubic inch displacement from 0.31 through 2.48
 - Working pressure up to 4000 PSI
 - Speeds up to 3000 RPM
 - High strength cast iron construction
- It is stable and reliable, long service life and light weight
- Can be assembled into a single pump, double and triple pump structure
 - High strength alloy steel gear and shaft sets
 - A wide range of porting ,mounting and shaft options available
 - Floating side panels with special wear-resistant coatings to ensure efficient output
 - Cover and pump body with high precision transition with cylindrical pin connection
 - 100% factory tested

性能曲线 PERFORMANCE CURVE



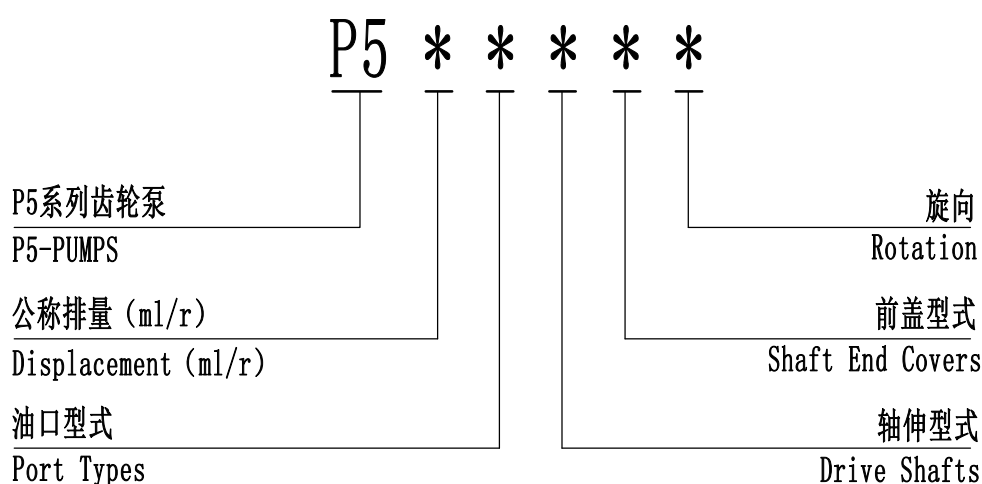
性能曲线是基于一系列试验结果汇总得出的，其数值不代表单独一台产品的性能。
Performance data given is based on a series of test and is representative of any one unit.

使用领域 APPLICATION FIELD

该产品设计构造适用于：专用汽车、混凝土机械、工程起重机械、铲土运输机械、桩工机械、矿山机械、钻探机械、压实机械、路面机械等领域

Applicable to: special vehicles, concrete machinery, engineering lifting machinery, shovel soil transport machinery, pile machinery, mining machinery, drilling machinery, compaction machinery, road machinery and other fields

标准型号说明 STANDARD MODEL IDENTIFICATION



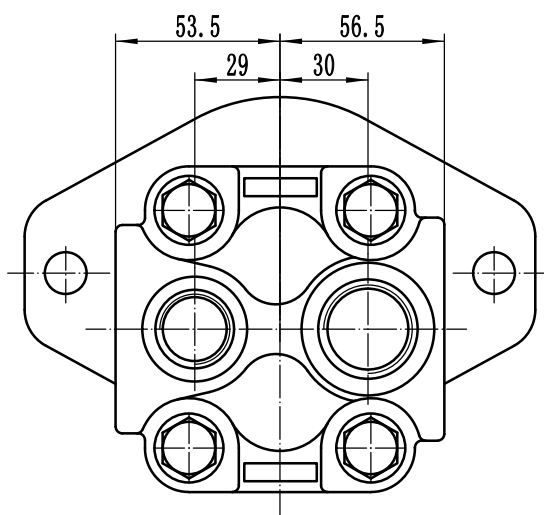
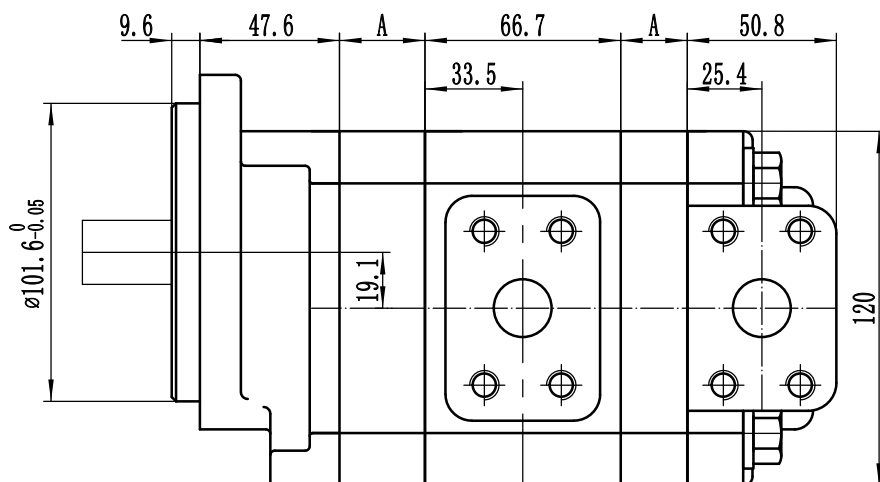
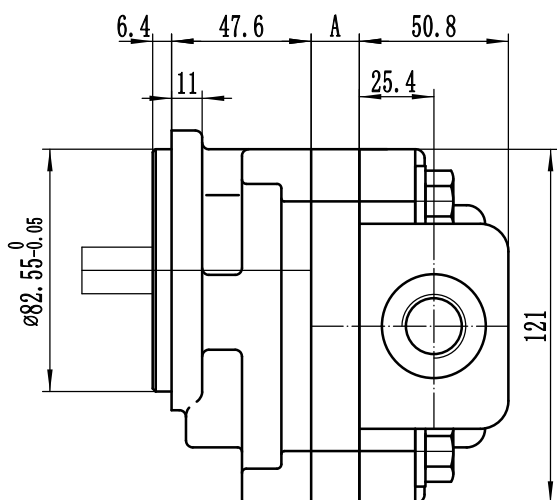
非标准产品型号请咨询派士乐研发中心

For non-standard product options, consult PARSLE R&D Dept.

性能参数 PERFORMANCE

型 号 Model	公称排量 Nominal displacement (ml/r)	额定压力 Rated Pressure (MPa)	最高压力 Max. Pressure (MPa)	最高转速 Max. Speed (r/min)	最低转速 Min. Speed (r/min)	A (mm)
P505	5	25	28	3000	600	16.4
P508	8					19.6
P510	10					22.7
P512	12.5					25.9
P516	16					29.1
P518	18					32.3
P520	20					35.4
P525	25					41.8
P530	30	21	25			48.1
P533	33					51.3
P535	35	18	21			54.5
P540	40					60.8

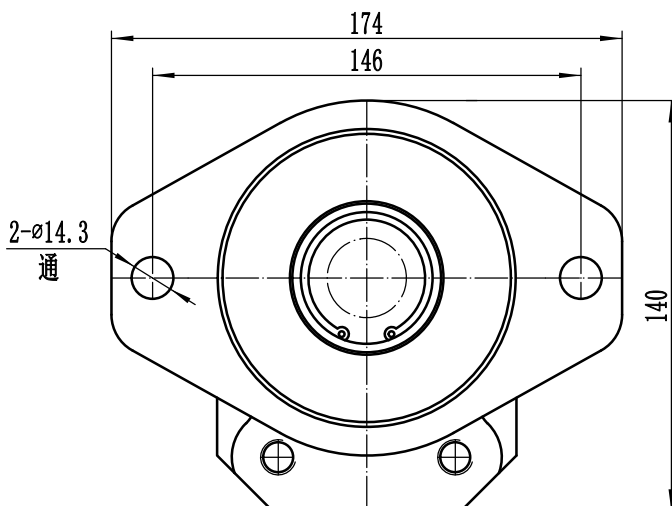
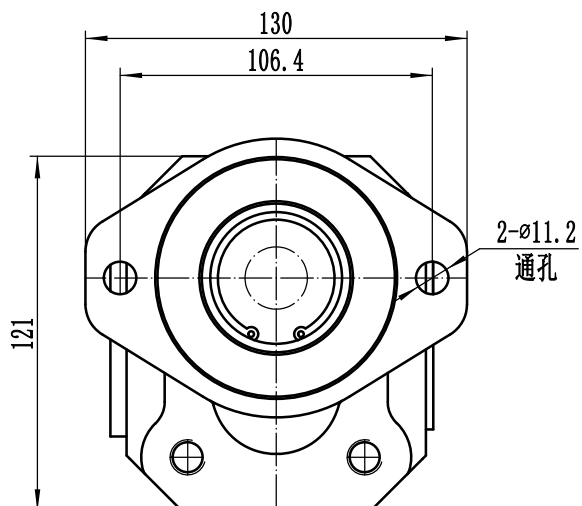
外形尺寸 Outline Dimensions



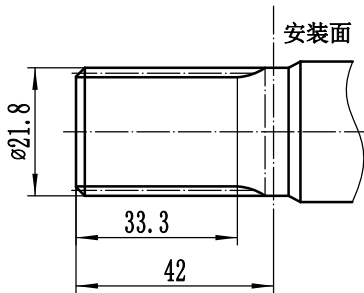
说明：尺寸“A”见“性能参数”

Note: Dimension “B” are covered in “performance”

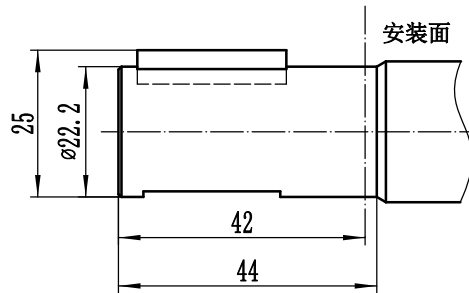
前盖型式 SHAFT END COVERS



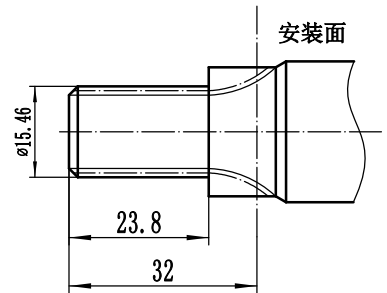
轴伸型式 DRIVE SHAFTS



SAE花键参数 SAEsplines	
齿数 No. of tooth	13
径节 DP	16/32
压力角 Pressure angle	30°

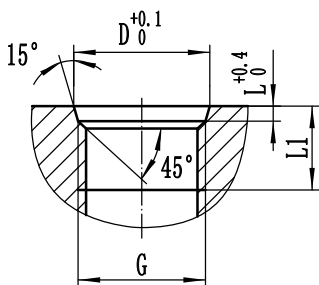


SAE 平键
 键: 6.35X6.35X25.4
 KEYED SAE
 KEY: 1/4" (W) X 1/4" (H) X 1" (L)

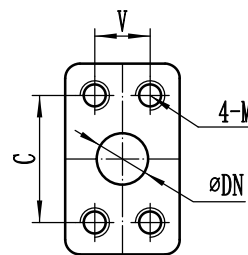


SAE花键参数 SAEsplines	
齿数 No. of tooth	9
径节 DP	16/32
压力角 Pressure angle	30°

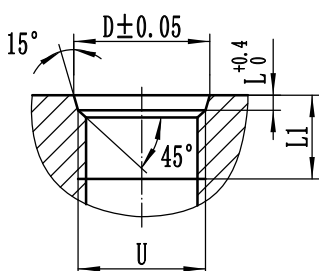
油口型式 PORT TYPES



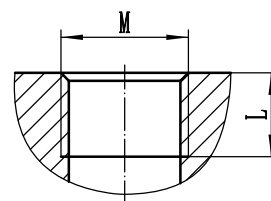
管螺纹油口 BSPP PORT			
G	D	L	L1
G1	35.8	3.5	21
G1/2	30.46	3.92	17
G3/4	22.6	2.5	16



公制法兰油口 Metric Split Flange Port			
DN	C	V	M
19	47.6	22.3	M10
25	52.4	26.2	深15
32	58.7	30.2	deep15



英制螺纹油口 Straight Thread Port			
U	D	L	L1
1-5/16-12UN-2B	35.55	3.5	19
1-1/16-12UN-2B	29.2	3.5	19
7/8-14UNF-2B	24	2.7	17



公制螺纹油口 Metric Straight thread	
M	L
M22X1.5	16
M27X2	19
M33X2	19