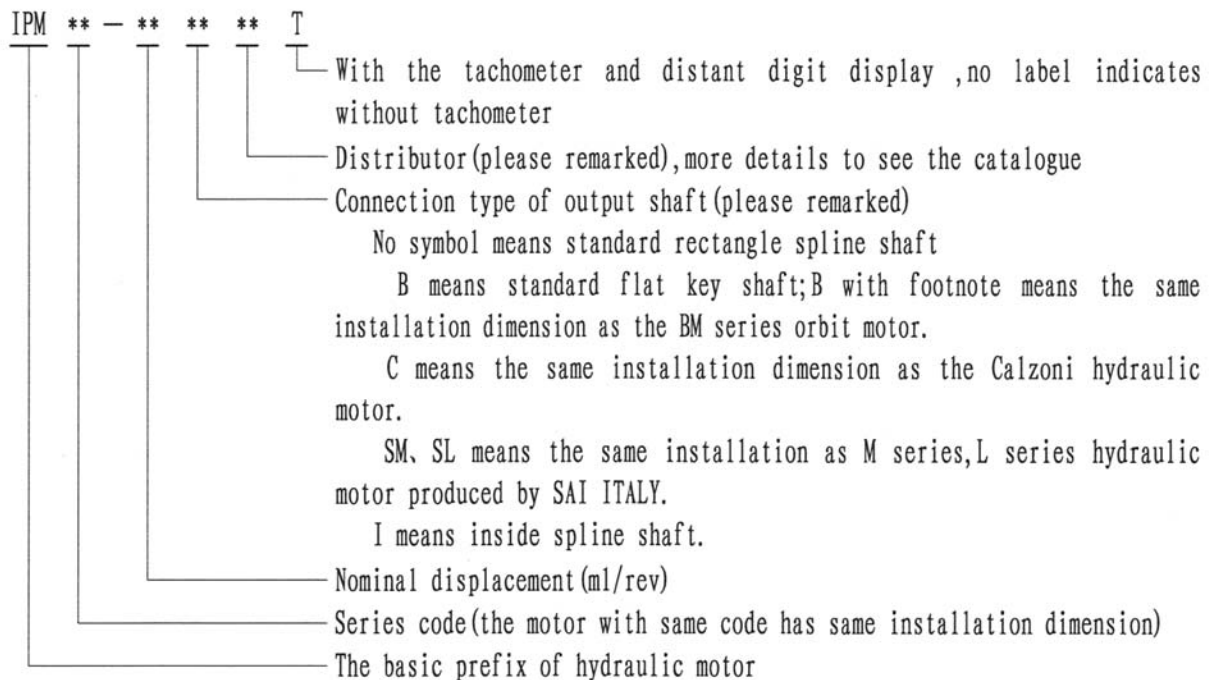## ● IPM Series Hydraulic Motors

1. Brief Introduction

IPM series motors are new products, developed by combining advantages of similar products at home and abroad with practical experience of our company accumulated over one decade. PM series motors are characterized by wide range of displacement, great interchangeability (We produce lots of non-standards products, which can replace similar products at home and abroad.), great durability and good design.

2. Model options

IPM ** — ** ** ** T

With the tachometer and distant digit display, no label indicates without tachometer

Distributor (please remarked), more details to see the catalogue

Connection type of output shaft (please remarked)

No symbol means standard rectangle spline shaft

B means standard flat key shaft; B with footnote means the same installation dimension as the BM series orbit motor.

C means the same installation dimension as the Calzoni hydraulic motor.

SM、SL means the same installation as M series, L series hydraulic motor produced by SAI ITALY.

I means inside spline shaft.

Nominal displacement (ml/rev)

Series code (the motor with same code has same installation dimension)

The basic prefix of hydraulic motor

3. Options example

IPM3-300D31 represents that the motor is the 3 series unit of IPM hydraulic motor, The nominal displacement is 300ml/rev, the output shaft is standard rectangle spline shaft, and distributor model is D31 without tachometer. Please fill in the complete code options when ordering. If there are any specific requests, please noted in detail in delivery contract or contact our company.

Notes:

1. IPM series motors can replace motors of same displacement produced by intermot, Calzoni, Staffa , SAI, and domestic brands, such as BIGNOZZI and Zhongyi.

2. If customers want to purchase hydraulic motors with non-standard installing dimension, we can offer technical support to customers. Please contact us before place an order.

4. IPM系列液压马达技术性能参数

型号 TYPE	理论排量(ml/r) THEORIC DISPLACEMENT	额定压力(MPa) RATED PRESSURE	尖峰压力(MPa) PEAK PRESSURE	额定扭矩(N·m) RATED TORQUE	单位扭矩(N·m/MPa) SPECIFIC TORQUE	转速范围(r/min) SPEED RANGE	最大功率(kW) Max POWER	重量(kg) WEIGHT
IPM1-50	56	20	28	178	8.90	15-1000		
IPM1-63	64	20	28	203	10.15	15-900		
IPM1-80	76.9	20	28	244	12.20	15-800		
IPM1-100	100	20	25	318	15.90	15-750	15	23
IPM1-125	124	16	24	305	19.06	15-650		
IPM1-150	157	16	24	398	24.88	15-500		
IPM1-160	179	16	24	456	28.50	15-450		
IPM1-200	194	16	24	492	30.75	15-400		
IPM2-125	124	20	28	394	19.70	8-700		
IPM2-150	151	20	28	480	24.00	8-650		
IPM2-175	180	16	25	457	28.56	8-600		
IPM2-200	206	16	25	523	32.69	8-550	22	31
IPM2-250	235	16	25	598	37.38	8-500		
IPM2-280	276	16	24	702	43.88	8-450		
IPM2-300	318	16	24	809	50.56	8-400		
IPM3-175	181	20	30	578	28.90	7-800		
IPM3-200	201	20	30	640	32.00	7-700		
IPM3-250	254	20	30	810	40.50	7-600		
IPM3-300	289	20	30	920	46.00	7-500	36	39
IPM3-350	339	16	25	864	54.00	6-420		
IPM3-400	403	16	25	1027	64.19	6-350		
IPM3-420	427	16	25	1088	68.00	6-330		
IPM3-450	451	16	25	1148	71.75	6-300		
IPM4-400	397	20	30	1265	63.25	5-500		
IPM4-450	452	20	30	1440	72.00	5-480		
IPM4-500	490	20	30	1562	78.10	5-450		
IPM4-600	593	20	30	1890	94.50	5-420		
IPM4-650	660	16	25	1680	105.00	5-400	52	66
IPM4-700	706	16	25	1800	112.50	5-380		
IPM4-750	754	16	25	1921	120.06	5-350		
IPM4-800	815	16	25	2064	129.00	5-300		
IPM5-700	713	20	30	2268	113.40	4-400		
IPM5-750	763	20	30	2428	121.40	4-380		
IPM5-800	815	20	30	2594	129.70	4-350	68	84
IPM5-850	868	16	25	2196	137.25	4-340		
IPM5-900	895	16	25	2278	142.38	4-320		
IPM5-1000	1009	16	25	2774	173.38	4-300		
IPM6-700	714	20	30	2260	113.00	4-400		
IPM6-800	792	20	30	2520	126.00	4-400		
IPM6-900	904	20	30	2860	143.00	4-380		
IPM6-1000	992	20	30	3140	157.00	4-320	78	98
IPM6-1100	1116	20	30	3540	177.00	3-300		
IPM6-1200	1247	16	25	3168	198.00	3-280		
IPM6-1300	1315	16	25	3344	209.00	3-250		

型号 TYPE	理论排量(ml/r) THEORIC DISPLACEMENT	额定压力(MPa) RATED PRESSURE	尖峰压力(MPa) PEAK PRESSURE	额定扭矩(N·m) RATED TORQUE	单位扭矩(N·m/MPa) SPECIFIC TORQUE	转速范围(r/min) SPEED RANGE	最大功率(kW) Max POWER	重量(kg) WEIGHT
IPM6-1400	1406	16	25	3568	223.00	3-230		
IPM6-1500	1481	16	25	3760	235.00	3-210	78	98
IPM6-1600	1597	16	25	4064	254.00	3-200		
IPM7-1400	1413	20	30	4500	225.00	2-300		
IPM7-1600	1648	20	30	5248	262.40	2-250		
IPM7-1800	1815	18	28	5184	288.00	2-220		
IPM7-2000	2035	16	25	5168	323.00	2-200	95	158
IPM7-2200	2268	16	25	5776	361.00	2-180		
IPM7-2400	2480	16	25	6304	394.00	2-160		
IPM8-2450	2449	20	30	7780	389.00	2-200		
IPM8-2550	2559	20	30	8140	407.00	2-200		
IPM8-2800	2845	18	28	8136	452.00	1-175		
IPM8-3000	3023	16	25	7696	481.00	1-150	128	307
IPM8-3300	3333	16	25	8480	530.00	1-150		
IPM8-3500	3526	16	25	8976	561.00	1-130		
IPM8-4000	3998	16	25	10176	636.00	1-130		
IPM9-3550	3560	20	28	11320	566.00	1-160		
IPM9-3700	3720	20	28	11840	592.00	1-160		
IPM9-4000	4136	20	28	13160	658.00	1-150		
IPM9-4400	4396	16	25	11184	699.00	1-150		
IPM9-4800	4846	16	25	12336	771.00	1-125	145	392
IPM9-5000	5127	16	25	13040	815.00	1-120		
IPM9-5500	5514	16	25	14032	877.00	1-120		
IPM9-5800	5814	16	25	14800	925.00	1-110		
IPM9-6300	6322	16	25	16096	1006.00	1-110		
IPM10-6000	6056	20	28	19276	963.80	1-110		
IPM10-6500	6437	20	28	20489	1024.45	1-105		
IPM10-7000	7096	20	28	22587	1129.35	1-100	160	720
IPM10-7500	7508	16	25	19118	1194.88	1-95		
IPM10-8000	8074	16	25	20560	1285.00	1-90		
IPM10-8500	8512	16	25	21696	1356.00	1-90		
IPM11-9000	8953	20	28	28470	1423.50	0.5-100		
IPM11-9500	9559	20	28	30398	1519.90	0.5-95		
IPM11-10000	10028	20	28	31889	1594.45	0.5-90	220	900
IPM11-11000	10507	16	25	26730	1670.63	0.5-85		
IPM11-11500	11331	16	25	28826	1801.63	0.5-85		
IPM11-12000	12186	16	25	31001	1937.56	0.5-80		
IPM12-14000	14389	20	28	45757	2287.85	0.5-75		
IPM12-15500	15667	20	28	49821	2491.05	0.5-70		
IPM12-16500	16460	20	28	52342	2617.10	0.5-70		
IPM12-17000	17000	20	28	54060	2703.00	0.5-70		
IPM12-18000	18387	20	28	58470	2923.50	0.5-65	250	1800
IPM12-18500	18957	16	25	48226	3014.13	0.5-65		
IPM12-19500	19536	16	25	49700	3106.25	0.5-65		
IPM12-20000	19829	16	25	50446	3152.88	0.5-65		
IPM12-21500	21325	16	25	54250	3390.63	0.5-65		
IPM12-23000	22857	16	25	58194	3637.13	0.5-60		

IPM1系列液压马达   IPM1 Series Hydraulic Motors
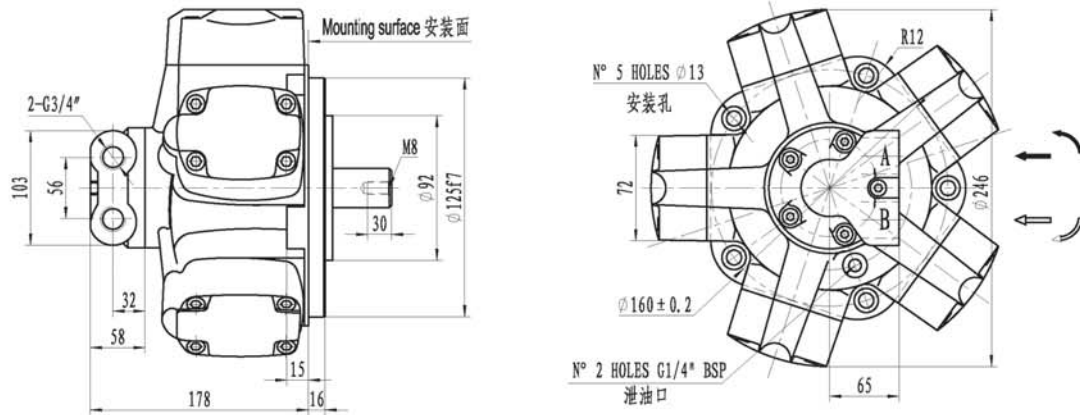
DIMENSIONS

| SHAFTS | 轴伸型式 |

Standard external splined IPM1-**
标准外花键

6-30d11 × 25d11 × 6f7
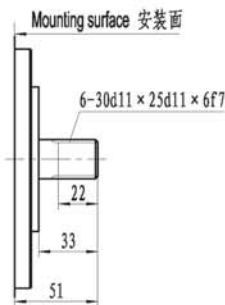
Standard cylindrial IPM1-**B
标准平键
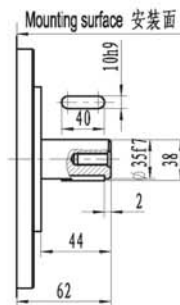
IPM1-**B28
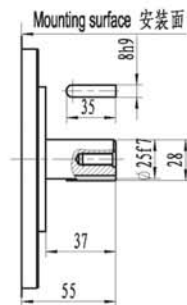
IPM1-**B31
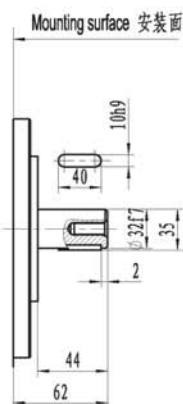
IPM1-**B3
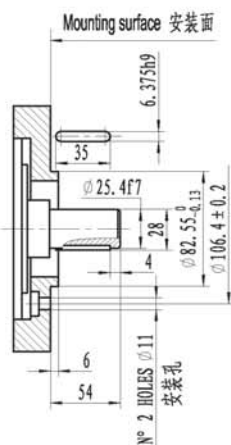
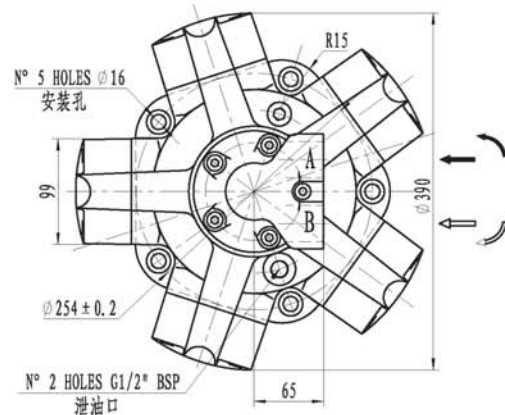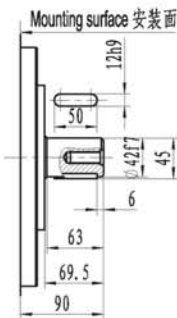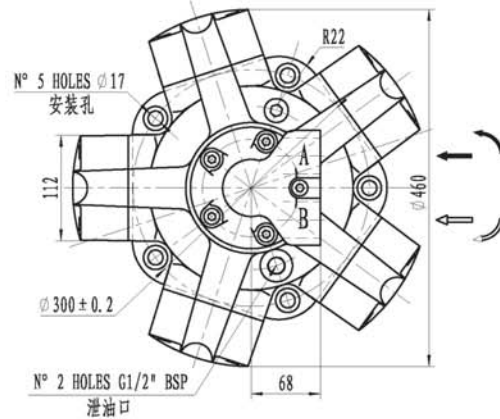IPM1-**B11
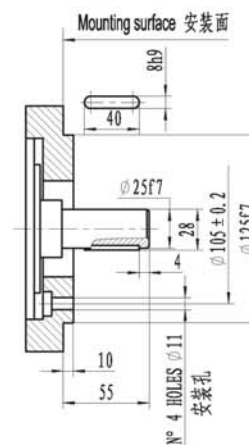
IPM2系列液压马达   IPM2 Series Hydraulic Motors
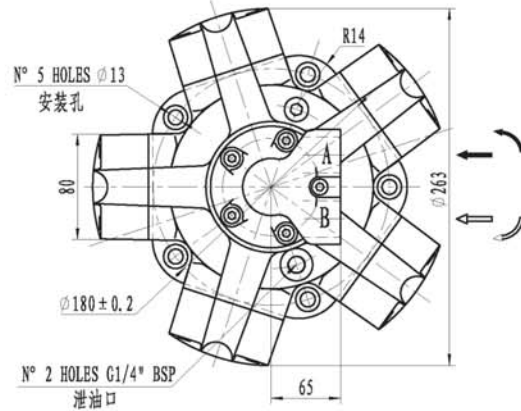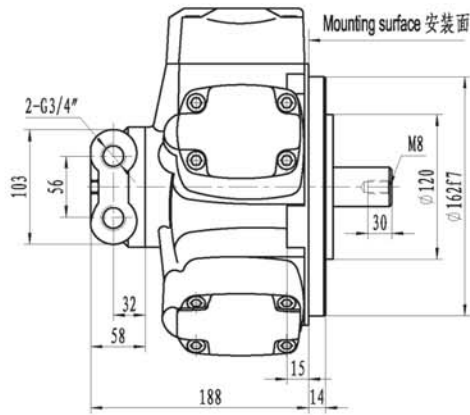
DIMENSIONS

Mounting surface 安装面

2-G3/4"

103 56

M8

Φ120

Φ162f7

30

32
58

15
14

188

N° 5 HOLES Φ13
安装孔

R14

80

Φ263

A
B

Φ180±0.2

N° 2 HOLES G1/4" BSP
泄油口

65

SHAFTS   **输出轴样式**

Standard external splined IPM2-**
标准外花键

Mounting surface 安装面

6-30d11×25d11×6f7

36
53
55
71

Standard cylindrial IPM2-**B
标准平键

Mounting surface 安装面

12h9

45

Φ40f7
43

4

55
71
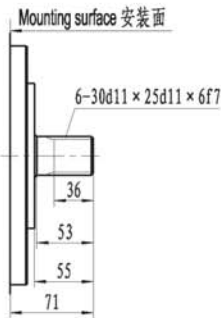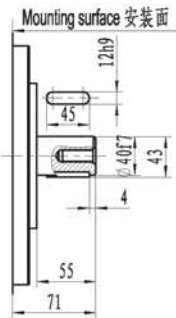
Standard internal splined IPM2-**I
标准内花键

Mounting surface 安装面

6-48D11×42D11×12H8

30
Φ60f7

45
52
70

IPM2-**SL₁

Mounting surface 安装面

6-34d11×28d11×7f7

Φ175f7
Φ210±0.2

22

3

42

Φ13

N° 5 HOLES Φ13
安装孔

IPM2-**B₁、B₂

Mounting surface 安装面

12h9
50

Φ40f7
43

ΦD±0.2

4

5
66

N° 4 HOLES Φ13
安装孔

Type 型号	D	D₁
B₁	160	125f7
B₂	127	100f7

IPM2-**B₂₄

Mounting surface 安装面

8h9
40

Φ25f7
28

Φ82.55f7
Φ106.35±0.2

4

5
54

N° 4 HOLES Φ13
安装孔

IPM2-**B₃

Mounting surface 安装面

6.375h9
35

Φ25.4f7
28

Φ125f7
Φ160±0.2

42.4
5
51

N° 4 HOLES Φ13
安装孔

IPM2-**B₁₄

Mounting surface 安装面

8h9
35

Φ31.75f7
35.1

Φ130f7
Φ160±0.2

6
20.2

N° 5 HOLES Φ13
安装孔

IPM3系列液压马达　IPM3 Series Hydraulic Motors
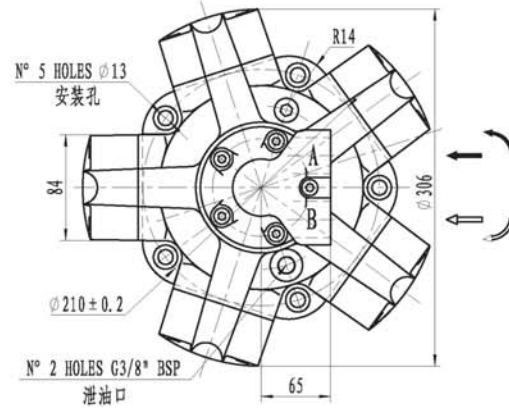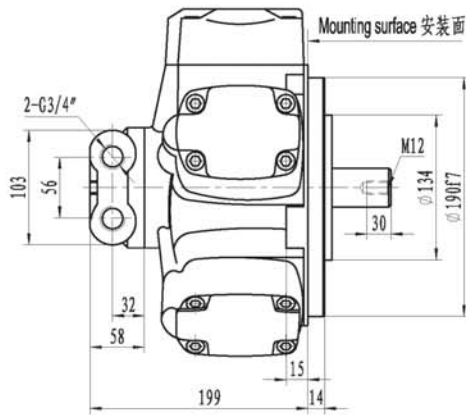
DIMENSIONS

2-G3/4"
103
56
32
58
199
15
14
Mounting surface 安装面
M12
ϕ134
ϕ190f7
30

N° 5 HOLES ϕ13 安装孔
R14
84
A
B
ϕ306
ϕ210±0.2
65
N° 2 HOLES G3/8" BSP 泄油口

SHAFTS

输出轴样式

Standard external splined IPM3-**
标准外花键

Mounting surface 安装面
8-38d11 × 32d11 × 6f7
38
57
58
79

Standard cylindrial IPM3-**B
标准平键

Mounting surface 安装面
10h9
45
ϕ38f7
41
5
57
58
79
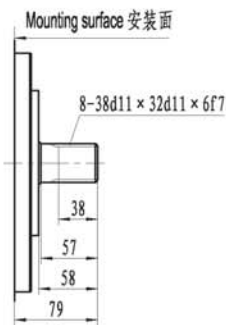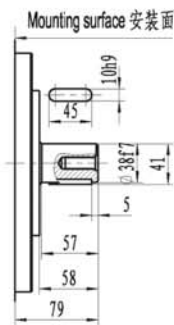
Standard internal splined IPM3-**I
标准内花键

Mounting surface 安装面
6-48D11 × 42D11 × 12H8
30
ϕ60f7
40
6
27

IPM3-**SL$_1$

Mounting surface 安装面
6-34d11 × 28d11 × 7f7
ϕ175f7
ϕ210±0.2
22
3
42
N° 5 HOLES ϕ13 安装孔

IPM3-**SL$_2$

Mounting surface 安装面
8-40d11 × 36d11 × 7f7
ϕ150f7
ϕ195±0.2
48
5
72
N° 5 HOLES ϕ13 安装孔

IPM3-**B$_1$

Mounting surface 安装面
12h9
50
ϕ40f7
ϕ125f7
ϕ160±0.2
43
4
5
65
N° 4 HOLES ϕ13 安装孔

IPM3-**B$_2$

Mounting surface 安装面
14h9
50
ϕ50f7
ϕ160f7
ϕ200±0.2
53.5
4
5
85
N° 2 HOLES ϕ17 安装孔

IPM3-**B$_5$

Mounting surface 安装面
12h9
70
ϕ40f7
ϕ125f7
ϕ160±0.2
43
4
84
5
113
N° 4 HOLES ϕ13 安装孔

IPM4系列液压马达　IPM4 Series Hydraulic Motors
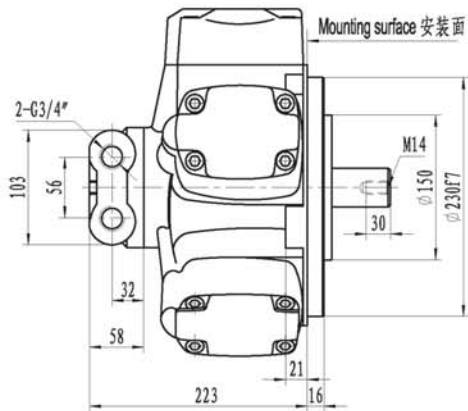
DIMENSIONS

Mounting surface 安装面

2-G3/4"

M14

103　56

Ø150f7　Ø230f7

30

32

58

21

223　16

N° 5 HOLES Ø16 安装孔

R15

99

Ø390

Ø254 ± 0.2

N° 2 HOLES G1/2" BSP 泄油口

65

A
B

SHAFTS	输出轴样式

Standard external splined IPM4-**
标准外花键

Mounting surface 安装面

8-42d11 × 36d11 × 7f7

43

63

69.5

90

Standard cylindrial IPM4-**B
标准平键

Mounting surface 安装面

12h9

50

Ø42f7　45

6

63

69.5

90
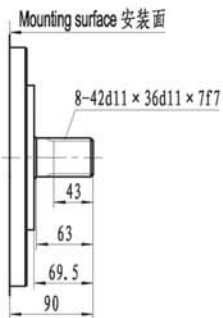
Standard internal splined IPM4-**I
标准内花键

Mounting surface 安装面

6-55D11 × 50D11 × 14H8

40　Ø70f7

54

7

28

IPM4-**SL₃

Mounting surface 安装面

8-40d11 × 36d11 × 7f7

Ø150f7　Ø250 ± 0.2

48

5.3

72

N° 5 HOLES Ø16 安装孔

IPM4-**SL₂

Mounting surface 安装面

8-40d11 × 36d11 × 7f7

Ø150f7　Ø195 ± 0.2

48

5

72

N° 5 HOLES Ø13 安装孔

IPM4-**N

Mounting surface 安装面

8-54d11 × 46d11 × 9f7

Ø190f7　Ø266 ± 0.2

56.5

8

72

N° 5 HOLES Ø13 安装孔

IPM4-**N₁

Mounting surface 安装面

8-60d11 × 52d11 × 10f7

Ø220f6　Ø290 ± 0.2

60

10

101

N° 5 HOLES Ø13 安装孔

IPM4-**B₂

Mounting surface 安装面

14h9

50

Ø50f7

53.5

Ø160f7　Ø200 ± 0.2

4

6

85

N° 4 HOLES Ø17 安装孔

IPM5系列液压马达　　IPM5 Series Hydraulic Motors

DIMENSIONS

2-G1"
130
69
M14
Ø178
Ø256f7
30
41
77
271
21
18

Mounting surface 安装面

N° 5 HOLES Ø17
安装孔
112
A
B
R22
Ø435
Ø300 ± 0.2
N° 2 HOLES G1/2" BSP
泄油口
68
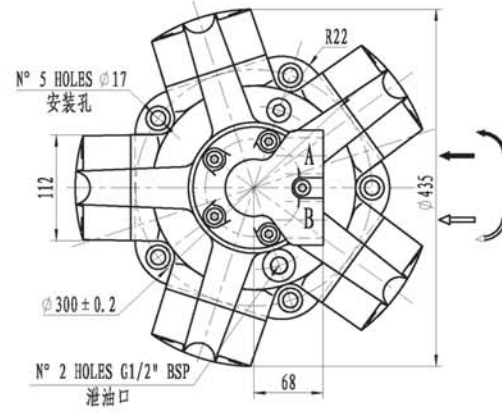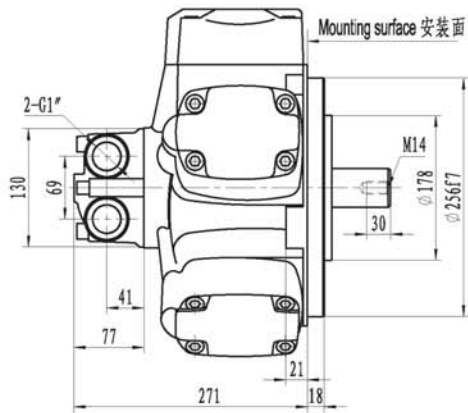
SHAFTS	输出轴样式

Standard external splined IPM5-**
标准外花键

Mounting surface 安装面

8-50d11 × 46d11 × 9f7

50
70
74
103

Standard cylindrial IPM5-**B
标准平键

Mounting surface 安装面

14h9
80
Ø54f7
57
5
90
94
123

IPM5-**-4

Mounting surface 安装面

8-42d11 × 36d11 × 7f7
Ø230f7
Ø254 ± 0.2
43
63
90
N° 5 HOLES Ø16
安装孔

IPM5-**-4B

Mounting surface 安装面

12h9
50
Ø42f7
45
Ø230f7
Ø254 ± 0.2
6
63
90
N° 5 HOLES Ø16
安装孔

IPM5-**C

Mounting surface 安装面

8-60d11 × 52d11 × 10f7
Ø220f6
Ø290 ± 0.2
62
8
101
N° 5 HOLES Ø13
安装孔
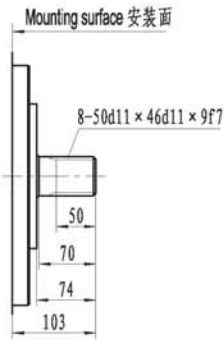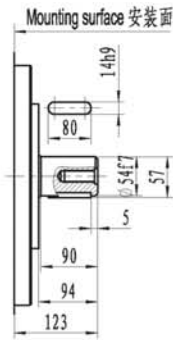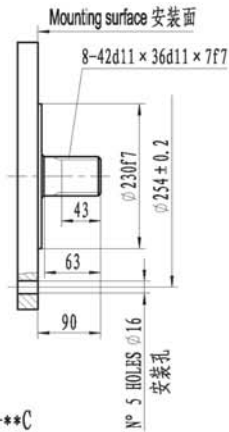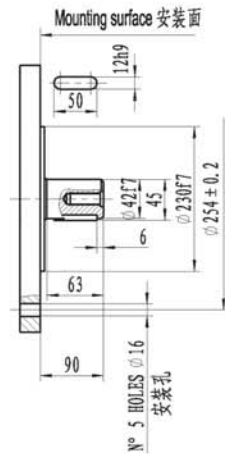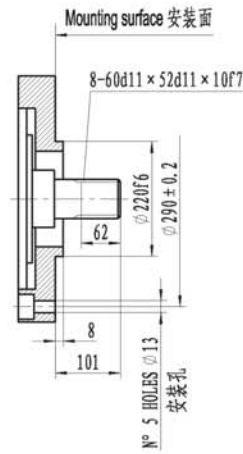
IPM6系列液压马达　IPM6 Series Hydraulic Motors
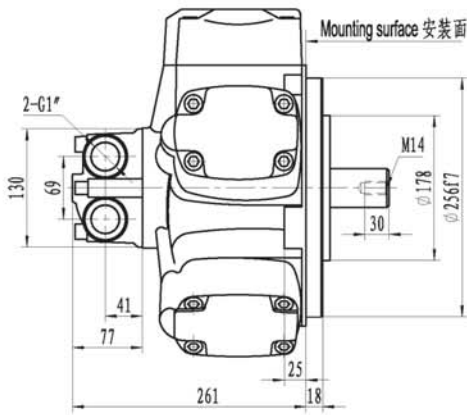
DIMENSIONS

SHAFTS	输出轴样式

Standard external splined IPM6-**
标准外花键
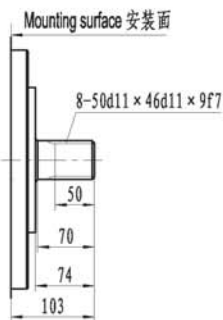
Standard cylindrial IPM6-**B
标准平键
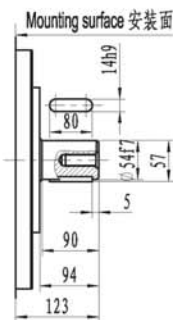
Standard internal splined IPM6-**I
标准内花键
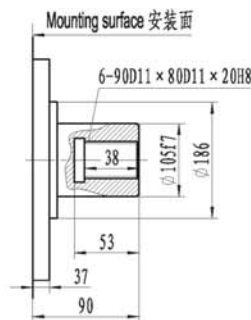
IPM6-**D
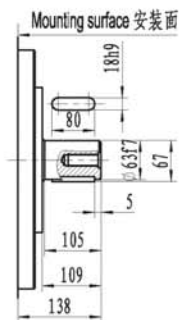
IPM6-**SL3

IPM6-**SL4、SM4
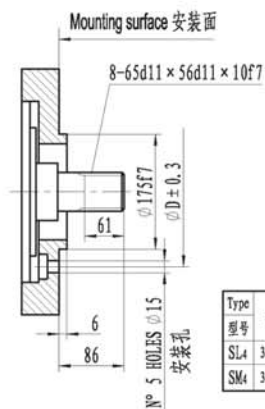
IPM6-**B29

IPM6-**K

Type 型号	D
SL4	310
SM4	330
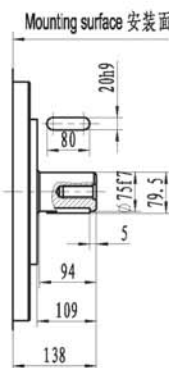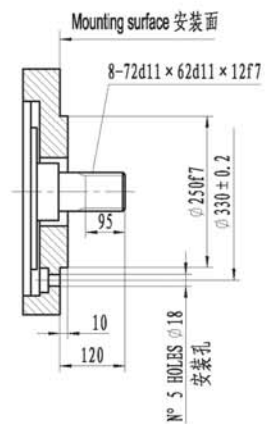
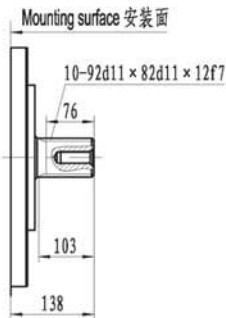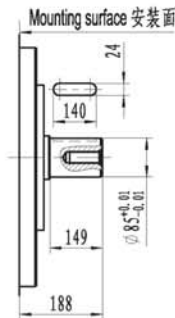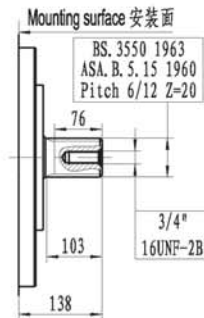IPM7系列液压马达　IPM7 Series Hydraulic Motors
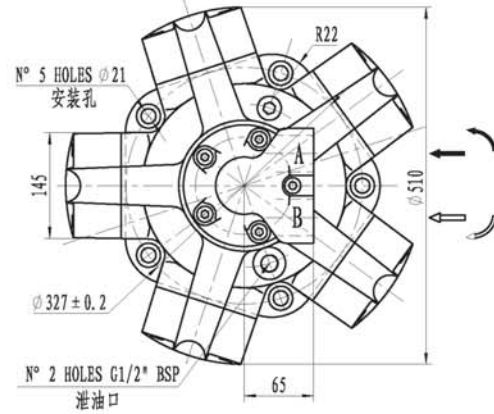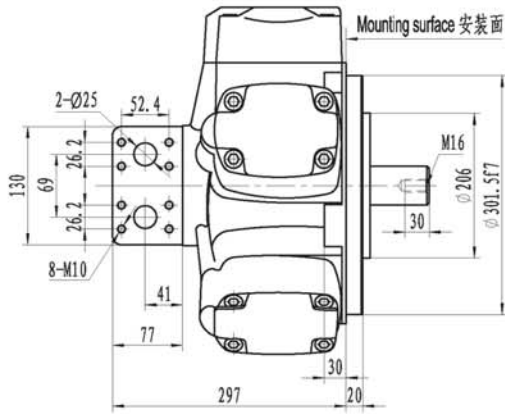
DIMENSIONS

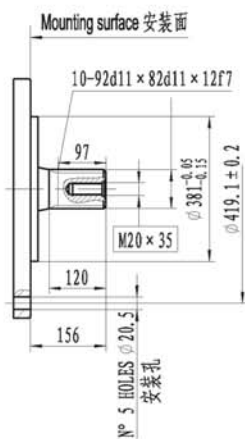**SHAFTS**　　　　　　　　　　　　　　　　　　　　　　输出轴样式

Standard external splined IPM7-**
标准外花键
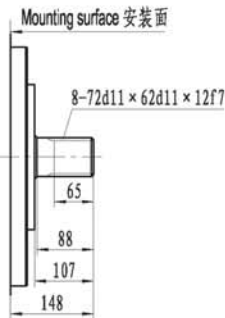
Standard cylindrial IPM7-**B
标准平键
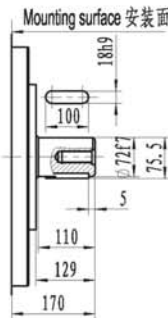
Standard internal splined IPM7-**I
标准内花键
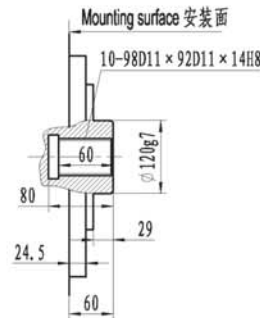
IPM7-**SM₄
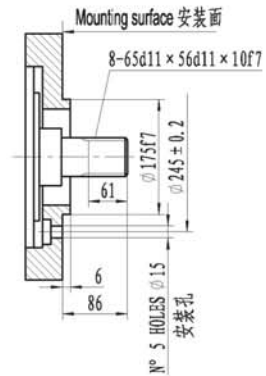
IPM7-**SL₅
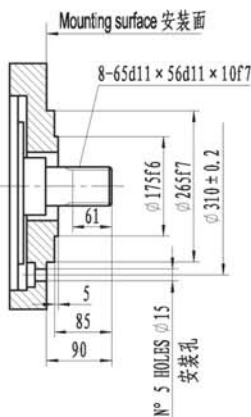
IPM7-**B₆
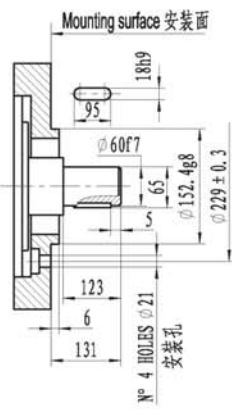
IPM7-**B₁₇
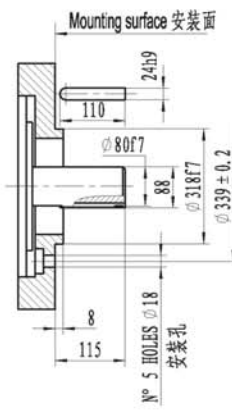
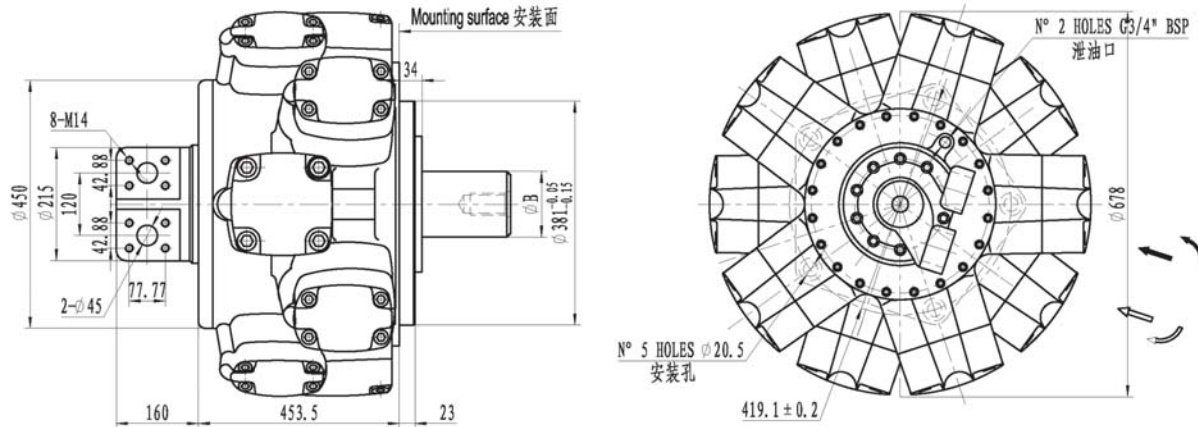IPM7-**B₁₈
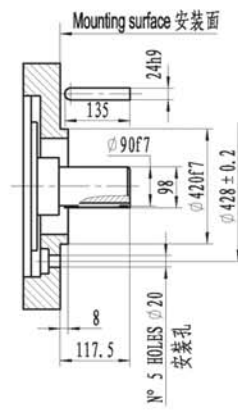
IPM8系列液压马达　　IPM8 Series Hydraulic Motors
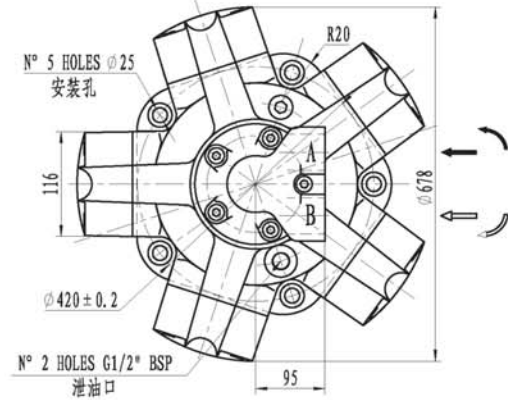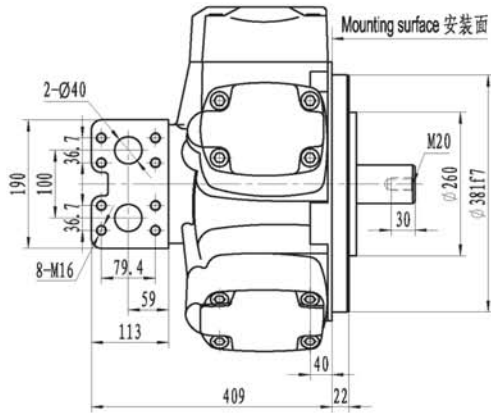
DIMENSIONS

SHAFTS　　输出轴样式

Standard external splined IPM8-**
标准外花键
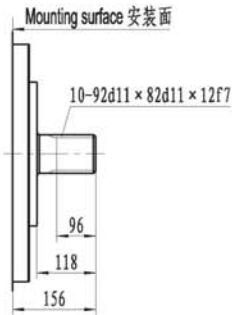
Standard cylindrial IPM8-**B
标准平键
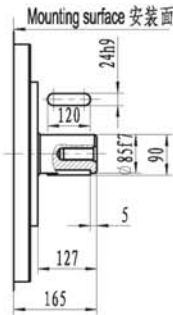
Standard internal splined IPM8-**I
标准内花键
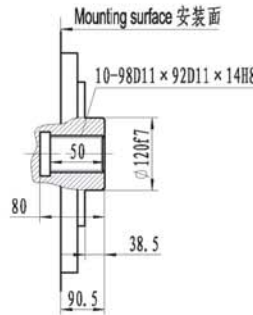
IPM8-**B8
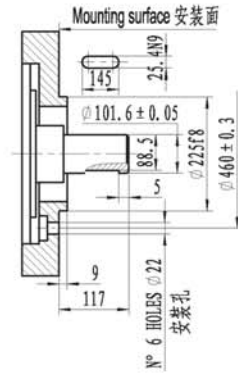
IPM8-**B10
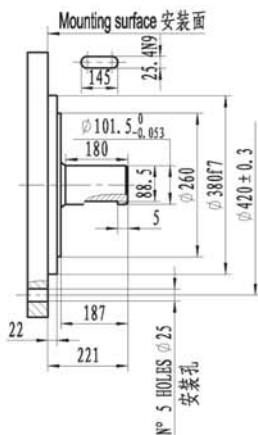
IPM8-**B21
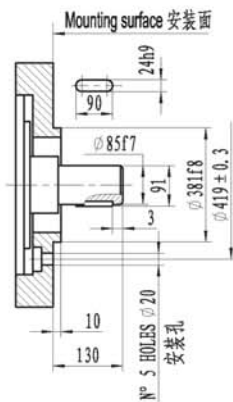
IPM8-**B22
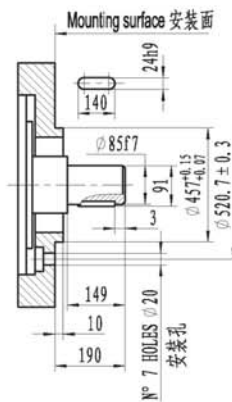
IPM8-**N1
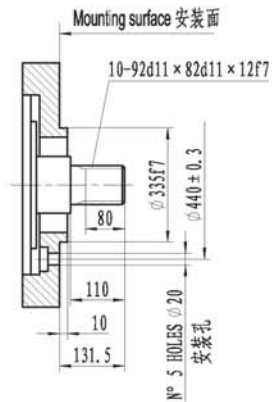
IPM9系列液压马达   IPM9 Series Hydraulic Motors
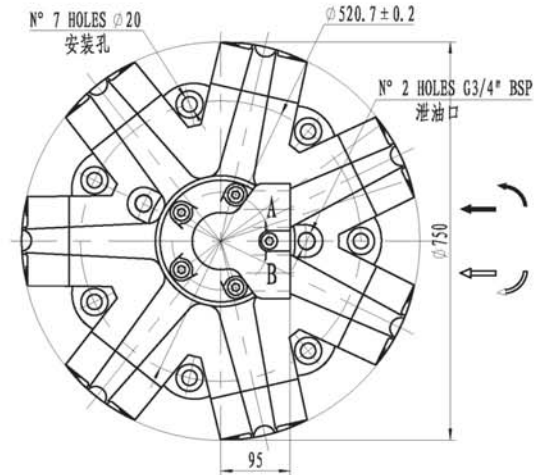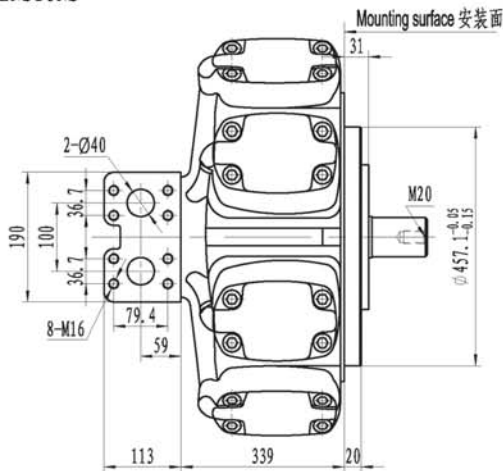
DIMENSIONS

SHAFTS 输出轴样式

Standard external splined IPM9-**
标准外花键

Standard cylindrial IPM9-**B
标准平键

IPM9-**A

IPM9-**-8

IPM9-**A1
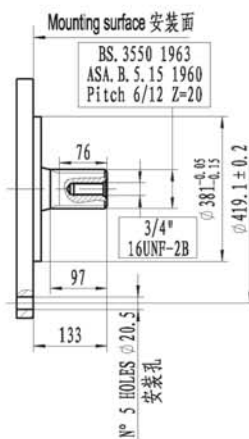
IPM9-**B1
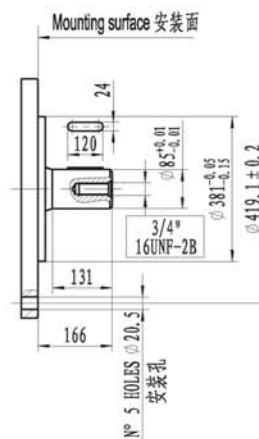
IPM10系列液压马达 IPM10 Series Hydraulic Motors
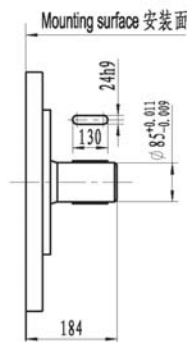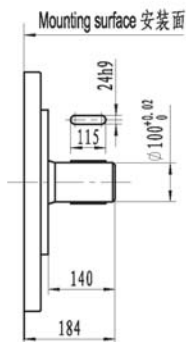
DIMENSIONS

SHAFTS   输出轴样式
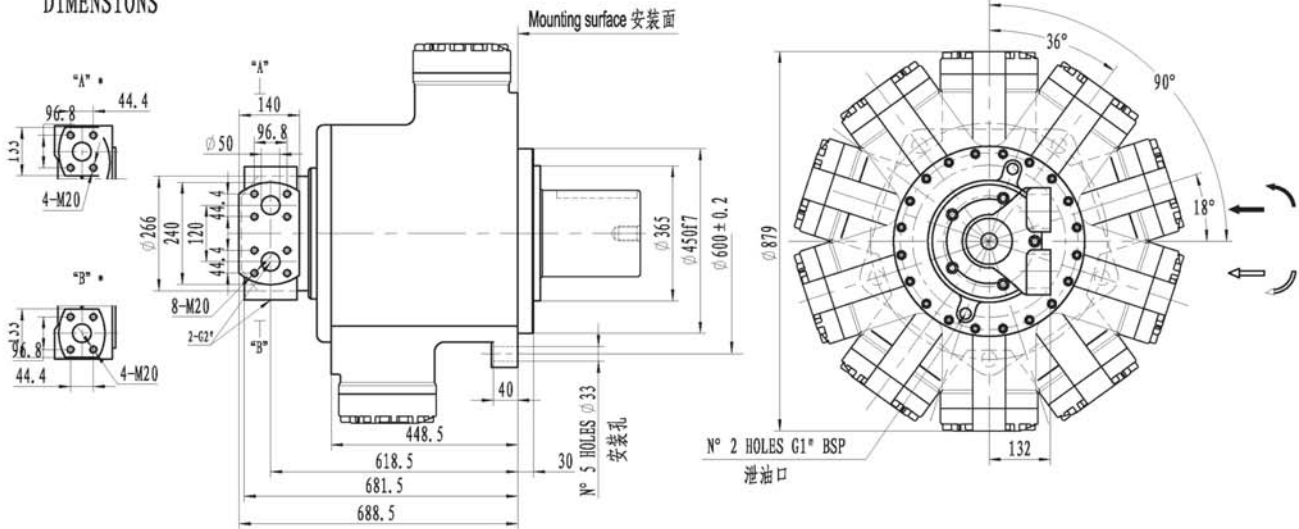
Standard cylindrial IPM10-**B
标准平键

IPM10-**B₁

Standard external splined IPM10-**A
标准渐开线外花键
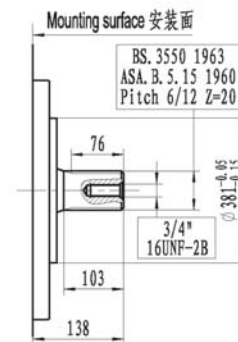
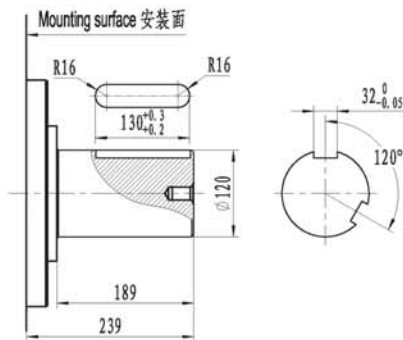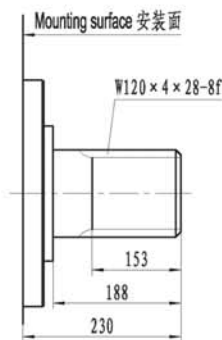IPM11系列液压马达　　IPM11 Series Hydraulic Motors

DIMENSIONS

Mounting surface 安装面

"A"
96.8
44.4
4-M20

"B"
96.8
44.4
4-M20

140
96.8
8-M20
2-G2"

Ø50
Ø266
240
120
44.4
44.4

Ø365
Ø450f7
Ø600±0.2

Ø879
36°
90°
18°

132

448.5
618.5
681.5
688.5

40
30
N° 5 HOLES Ø33 安装孔

N° 2 HOLES G1" BSP
泄油口

SHAFTS　　　　　　　　　　　　　　　　　　　　　　　　输出轴样式

Standard cylindrial IPM11-**B
标准平键

Mounting surface 安装面

R16　　　R16
130⁺⁰·³₊₀·₂
Ø120
189
239

$32^{0}_{-0.05}$
120°

Standard external splined IPM11-**
标准外花键

Mounting surface 安装面

W120×4×28-8f
153
188
230

Standard internal splined IPM11-**I
标准内花键

Mounting surface 安装面

N110×3×35-9H
50
12　78

IPM11-**I₂

Mounting surface 安装面

N120×4×28-9H
95
12　88

IPM11-**I₃

Mounting surface 安装面

N150×4×36-9H
82
14　155
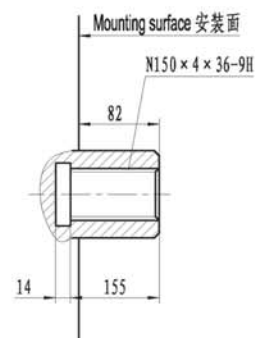
IPM12系列液压马达　IPM12 Series Hydraulic Motors

DIMENSIONS
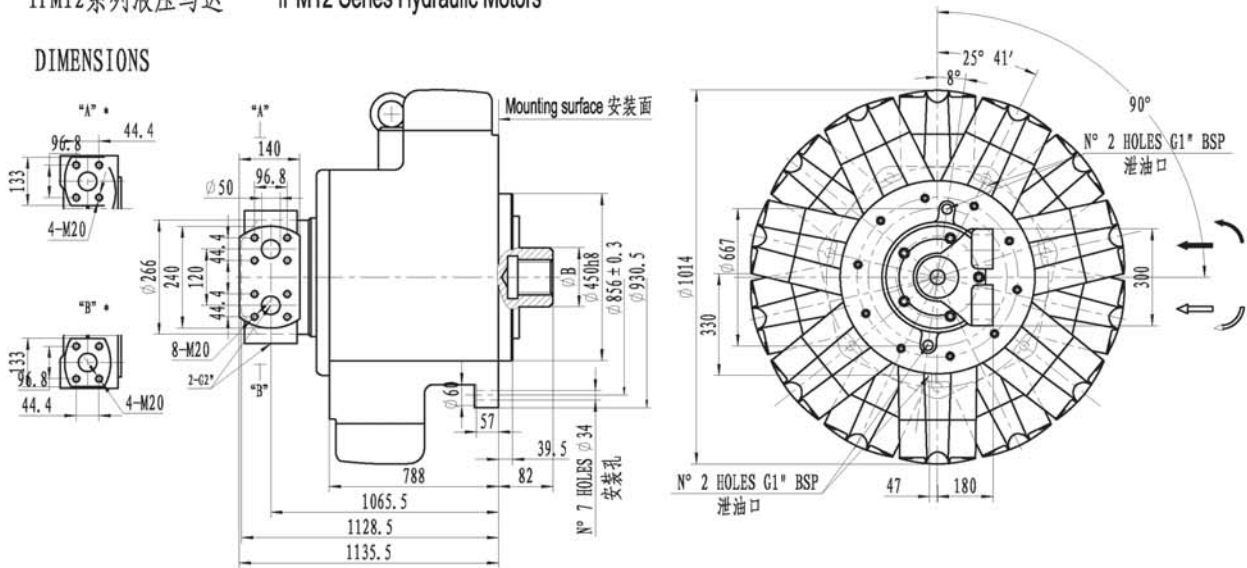
SHAFTS　输出轴样式
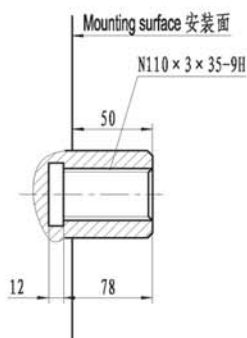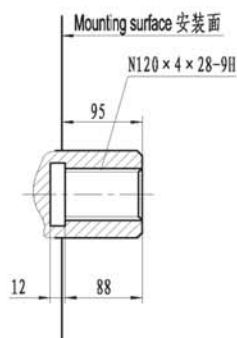
Standard external splined IPM12-**A
标准外渐开线花键
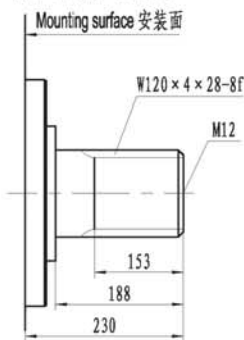
Standard internal splined IPM12-**I
标准内花键

IPM12-**A

IPM12-**B