

OMFB PISTON PUMPS

OMFB 柱塞泵
直轴 / 斜轴 / 双排量



COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
=ISO 9001/2008=

OMFB®
HYDRAULIC COMPONENTS

公司介绍



OMFB是欧洲规模最大的卡车液压件生产厂家，生产基地位于意大利。其在全球100多个国家设有分公司和服务网络。产品涵盖取力器、齿轮泵、柱塞泵、手动泵、举升阀、油箱、机械或气动控制开关、电缆遥控、动力单元、液压绞车、液压油管及各种管接头等。

OMFB生产的取力器能配套全球40多个品牌的卡车和30多个品牌的变速箱，是目前全球生产卡车用取力器系列最完整的厂家，能够满足您任何工作条件的应用。

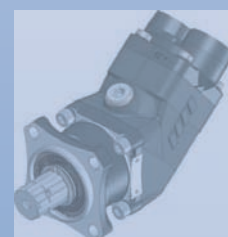
上海欧乐传动与控制技术有限公司是OMFB公司在中国大陆的唯一代理，是一家集生产、贸易、技术、服务于一体的专业型工程公司，我公司主要从事工业传动、液压传动以及真空技术等产品的开发和销售，与欧洲十多家知名公司有着良好的合作历史。

我公司随时欢迎您的来电来函咨询，并为您提供一流的产品及服务。

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OMFB 选型参数

如果您需要我们为您选择合适的产品型号，请根据您的实际情况填写以下参数。
并将确定好的参数传真至我公司：FAX 0086 021-51028872

贵公司名称：_____

联系人：_____ 联系地址：_____

电话：_____ 传真：_____

基本参数：

额定压力 _____ bar 峰值压力 _____ bar

入口压力（绝对压力）_____ bar 额定转速 _____ rpm

最高转速 _____ rpm 最低转速 _____ rpm

排量 _____ cc/rev 转向 _____

环境温度 _____ °C

介质特性：

密封材料 ☐NBR ☐FKM ☐FPM ☐Nylon

（若无特殊说明，密封材料为NBR）

介质温度：

最高温度 _____ °C 常用温度 _____ °C 最低温度 _____ °C

运动粘度（20℃）

过滤精度

如果您有其他特殊要求，请在下面予以说明：

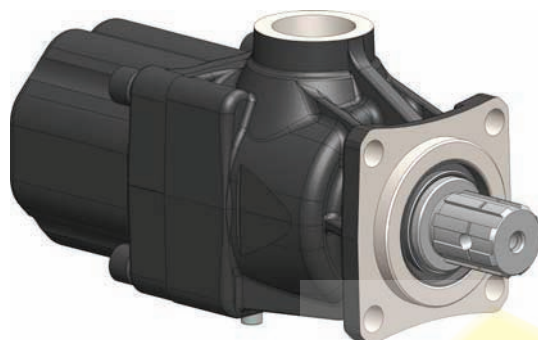
直轴柱塞泵

系列号
FAMILY CODE

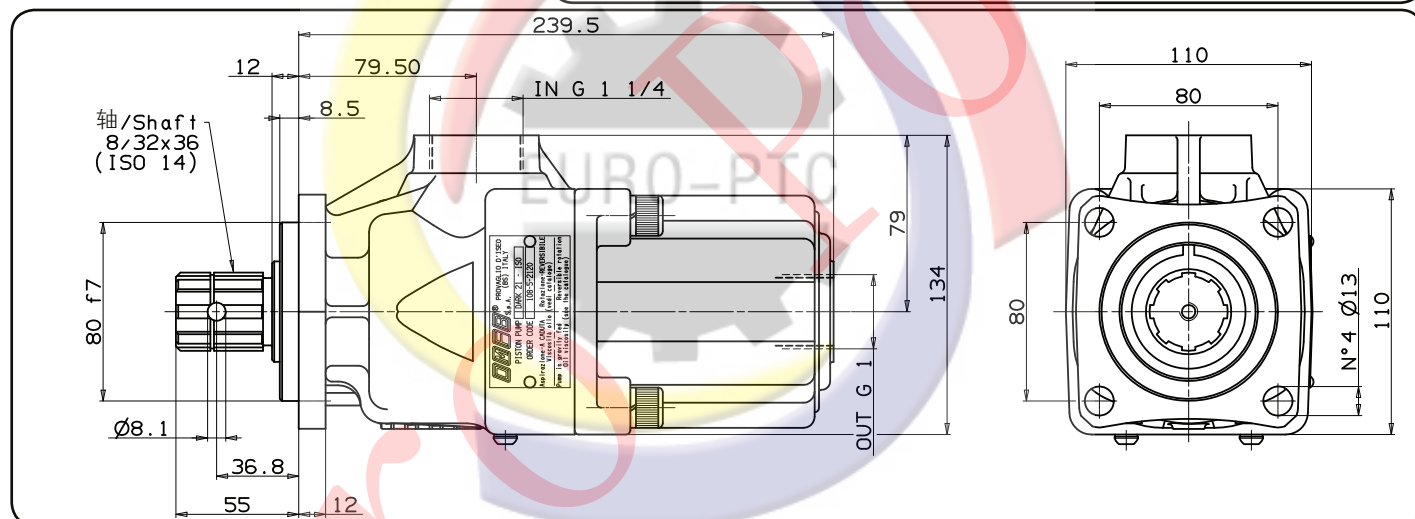
108-005

4 HOLES-ISO HYDRAULIC PISTON PUMPS

"DARK" ISO



介质特性 Fluid	密封材料 (可选, 如无特殊说明, 标准密封材料为NBR) : Mineral or synthetic compatible with the following seals: NBR, FKM, FPM, Nylon				
建议运动粘度 Kinematic viscosity suggested	环境温度(°C) Average ambient temp. (°C)	< -10	-10÷10	10÷35	> 35
	VG (cSt = mm ² /s)	16	22	32	46
运动粘度范围 Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
建议最大启动运动粘度 Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
建议粘度系数 Viscosity index suggested	VI > 100	工作温度 Working temperature		-15°C ÷ 100°C	
过滤精度 Oil filtering			> 200 bar: 10 µm < 200 bar: 25 µm		
入口压力 Inlet pressure			0,85 ÷ 2 bar 绝对压力/absolut		
转向 Pump rotation			双向 Bidirectional		
请确保柱塞泵的安装位置低于水平高度最低的油箱下方至少100mm, 并在启动工作前, 排空泵体内气体。 Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					



型号 Pump type	订货号 Code	排量 Displacement cm ³ /rev	压力 Pressure		最高转速 Max speed rpm	重量 Weight kg
			最大压力 Max bar	峰值压力 Peak bar		
DARK-21	108-005-02120	20,25	350	400	1800	14,5
DARK-28	108-005-02826	27				
DARK-35	108-005-03521	33,75				
DARK-42	108-005-04226	40,5				
DARK-48	108-005-04824	47,25				
DARK-52	108-005-05225	51,97	300	350	1500	14,3
DARK-55	108-005-05529	54				
DARK-60	108-005-05921	59,3				

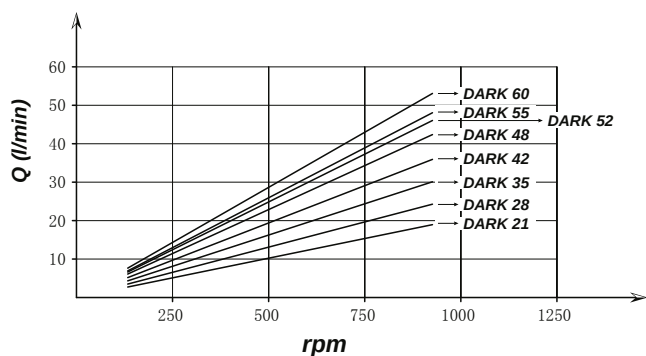
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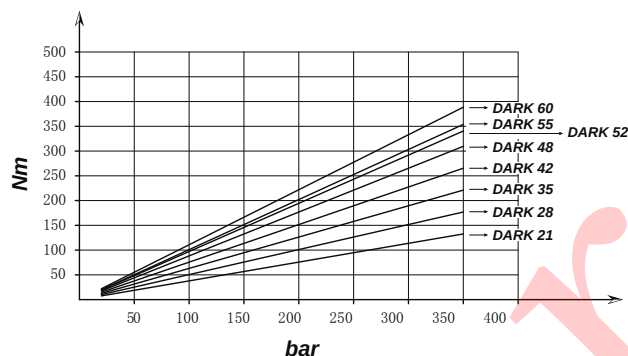
上海欧乐传动与控制技术有限公司
Shanghai euro power transmission & Control Ltd
中国.上海浦东东江科技园古丹路15弄21号 邮编: (201314)
Add: Via.21 Lane15, Gudun Road, Shenjiang Technology Park, Pudong, Shanghai, China, 201314.
电话 (Tel): 021-51028451 传真 (Fax): 021-51028872
Http://www.europtc.com E-mail: info@europtc.com

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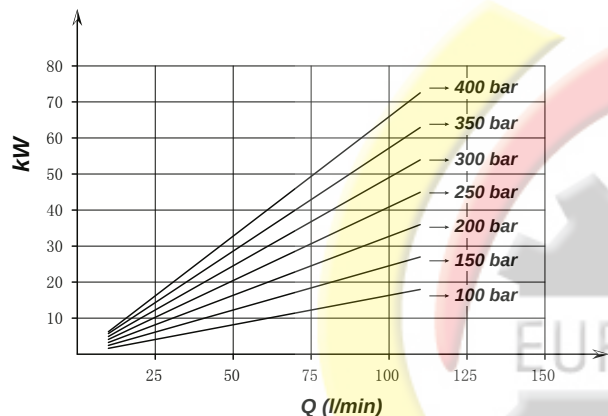
转速/流量
FLOW



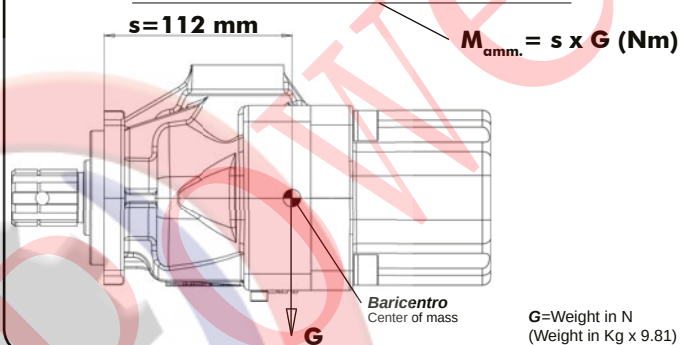
压力/驱动力矩
DRIVE TORQUE



流量/输入功率
POWER INPUT



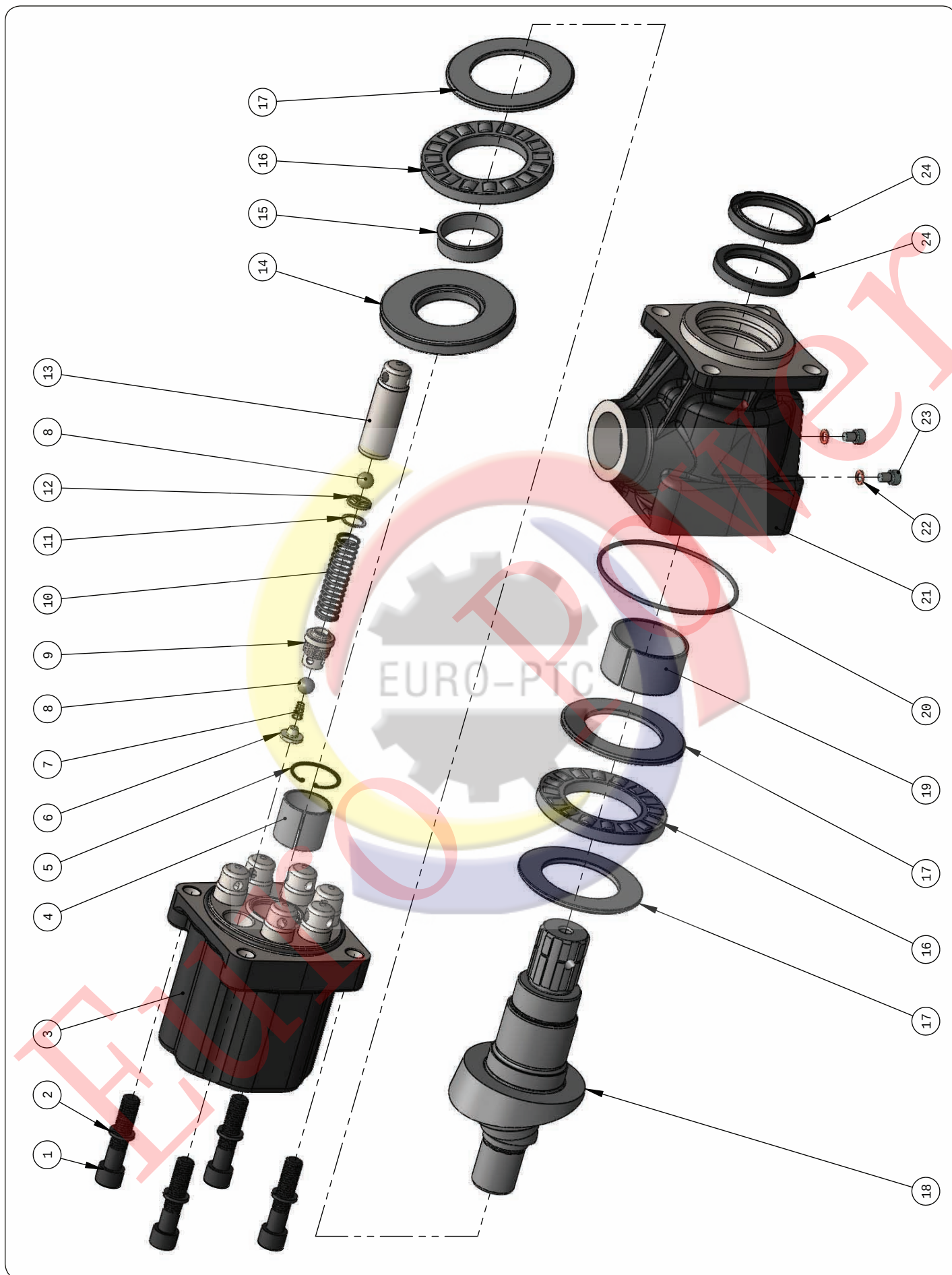
MASS MOMENT



"s" dimension can be considered valid for all pump displacement.

密封圈
Seal Kit

108-903-00027



pag.3

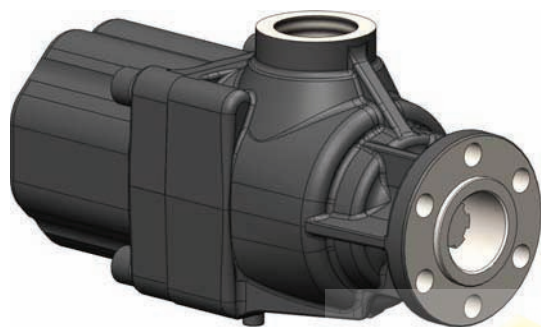
直轴柱塞泵

系列号
FAMILY CODE

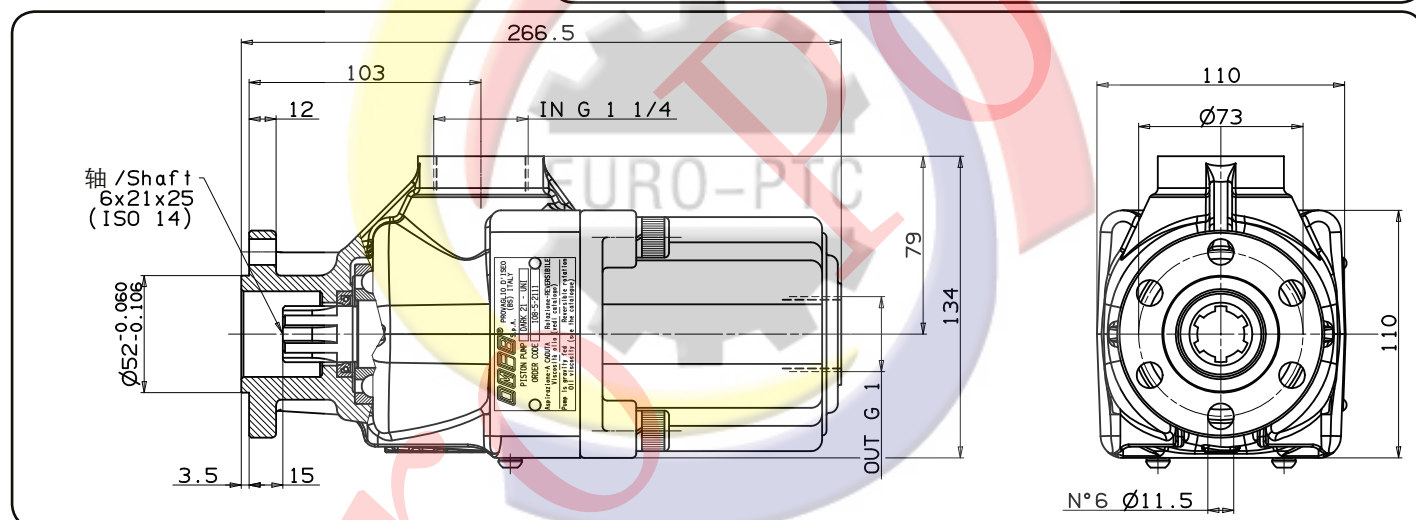
108-005

3 HOLES-UNI HYDRAULIC PISTON PUMPS

"DARK" UNI



介质特性 Fluid	密封材料 (可选, 如无特殊说明, 标准密封材料为NBR) : Mineral or synthetic compatible with the following seals: NBR, FKM, FPM, Nylon				
建议运动粘度 Kinematic viscosity suggested	环境温度(°C) Average ambient temp. (°C)	< -10	-10÷10	10÷35	> 35
	VG (cSt = mm ² /s)	16	22	32	46
运动粘度范围 Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
建议最大启动运动粘度 Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
建议粘度系数 Viscosity index suggested	VI > 100	工作温度 Working temperature		-15°C ÷ 100°C	
过滤精度 Oil filtering			> 200 bar: 10 µm < 200 bar: 25 µm		
入口压力 Inlet pressure			0,85 ÷ 2 bar 绝对压力/absolut		
转向 Pump rotation			双向 Bidirectional		
请确保柱塞泵的安装位置低于水平高度最低的油箱下方至少100mm, 并在启动工作前, 排空泵体内气体。 Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					



型号 Pump type	订货号 Code	排量 Displacement cm ³ /rev	压力 Pressure		最高转速 Max speed rpm	重量 Weight kg
			最大压力 Max bar	峰值压力 Peak bar		
DARK-21	108-005-02111	20,25	350	400	1800	13,8
DARK-28	108-005-02817	27				
DARK-35	108-005-03512	33,75				
DARK-42	108-005-04217	40,5				
DARK-48	108-005-04815	47,25				
DARK-52	108-005-05216	51,97	300	350	1500	13,5
DARK-55	108-005-05510	54				
DARK-60	108-005-05912	59,3				

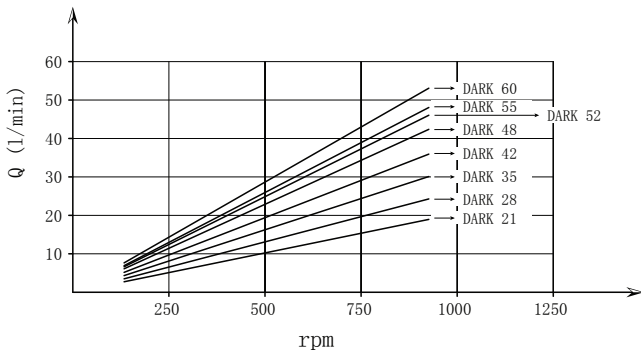
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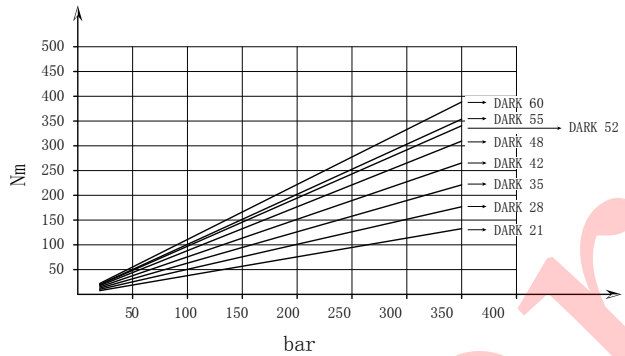
上海欧乐传动与控制技术有限公司
Shanghai euro power transmission & Control Ltd
中国·上海浦东东江科技园古丹路15弄21号 邮编: (201314)
Add: Via 21, Lane 15, Gudun Road, Shenjiang Technology Park, Pudong, Shanghai, China, 201314,
电话(Tel): 021-51028451 传真(Fax): 021-51028872
Http://www.europtc.com E-mail: info@europtc.com

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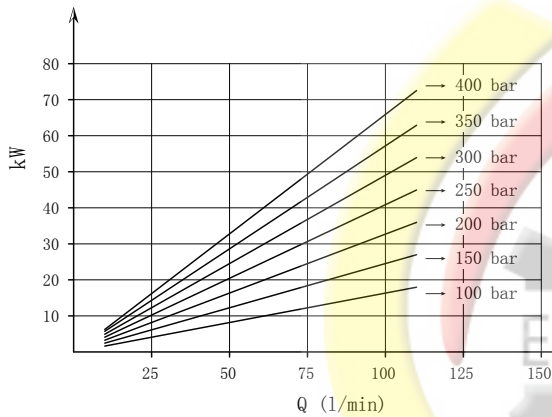
转速/流量
FLOW



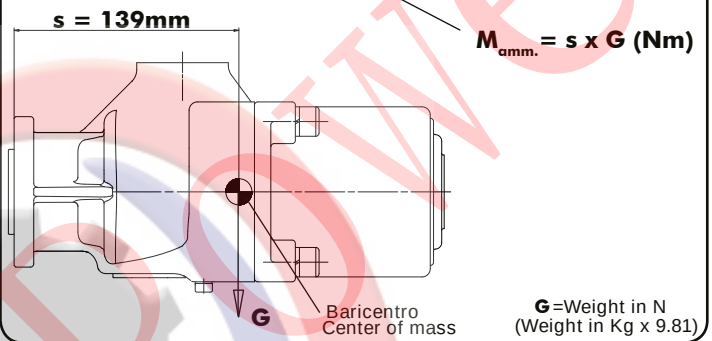
压力/驱动力矩
DRIVE TORQUE



流量/输入功率
POWER INPUT



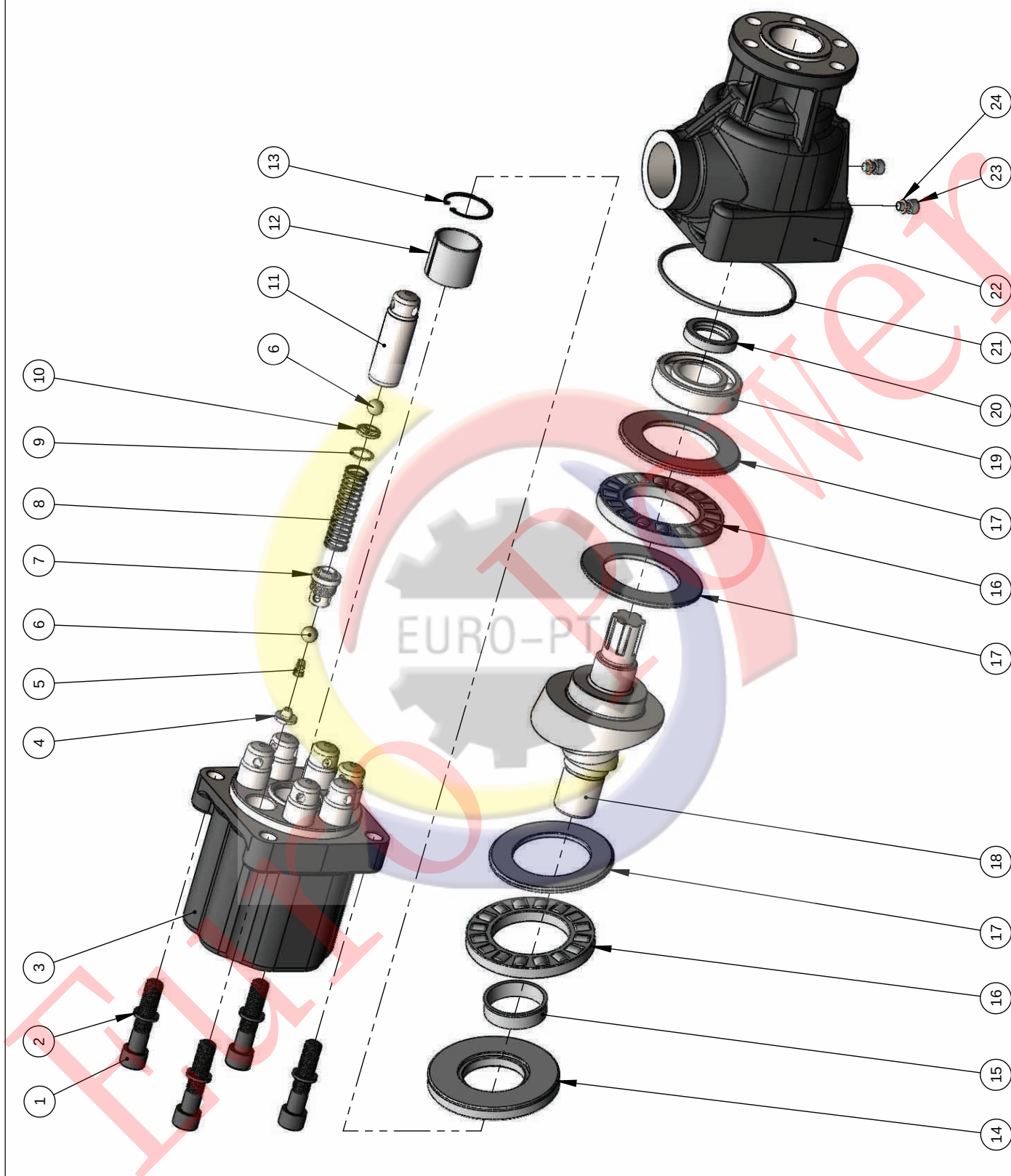
MASS MOMENT



"s" dimension can be considered valid for all pump displacement.

密封圈
Seal Kit

108-903-00018



pag.6

直轴柱塞泵

AXIAL HYDRAULIC PISTON PUMPS

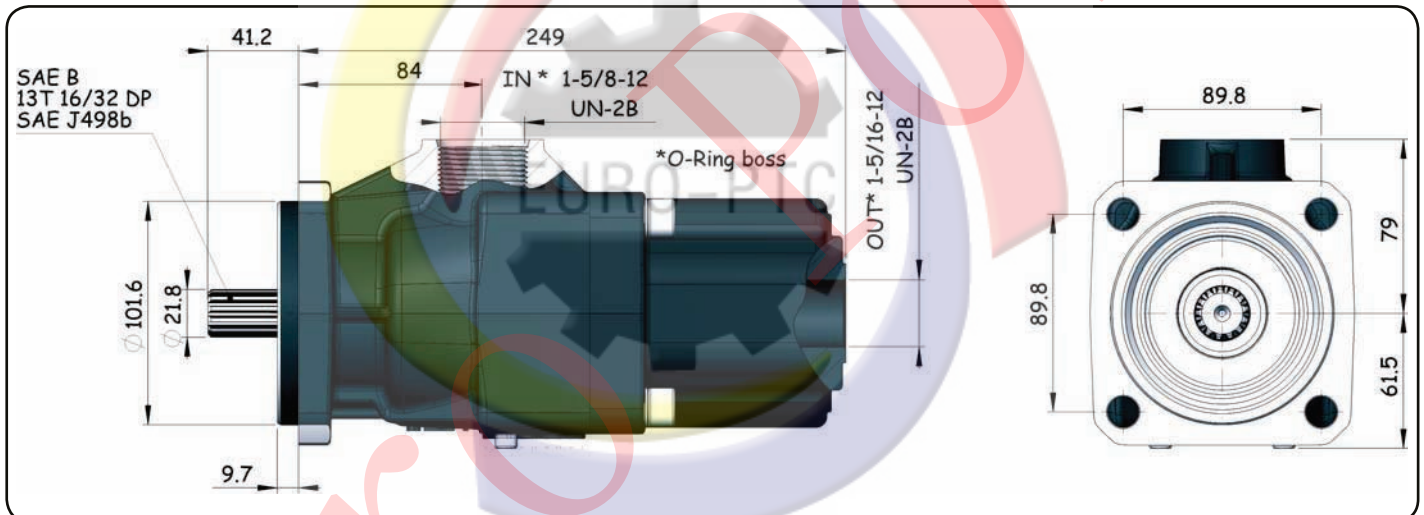
系列号
FAMILY CODE

108-007

"DARK" SAE-B



介质特性 Fluid	密封材料 (可选, 如无特殊说明, 标准密封材料为NBR) : Mineral or synthetic compatible with the following seals: NBR, FKM, FPM, Nylon				
建议运动粘度 Kinematic viscosity suggested	环境温度(°C) Average ambient temp. (°C)	< -10	-10÷10	10÷35	> 35
	VG (cSt = mm /s²)	16	22	32	46
运动粘度范围 Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
建议最大启动运动粘度 Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
建议粘度系数 Viscosity index suggested	VI > 100	工作温度 Working temperature		-15°C ÷ 100°C	
过滤精度 Oil filtering			> 200 bar: 10 µm < 200 bar: 25 µm		
入口压力 Inlet pressure			0,85 ÷ 2 bar 绝对压力/absolut		
转向 Pump rotation			双向 Bidirectional		
请确保柱塞泵的安装位置低于水平高度最低的油箱下方至少100mm, 并在启动工作前, 排空泵体内气体。 Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					



型号 Pump type	订货号 Code	排量 Displacement cm³/rev	压力 Pressure		最高转速 Max speed rpm	重量 Weight kg
			最大压力 Max bar	峰值压力 Peak bar		
DARK SAE-B 21	108-007-00219	20,25	350		1800	
DARK SAE-B 28	108-007-00282	27				
DARK SAE-B 35	108-007-00353	33,75				
DARK SAE-B 42	108-007-00424	40,5				
DARK SAE-B 48	108-007-00488	47,25	340		1500	
DARK SAE-B 52	108-007-00522	51,97	310			
DARK SAE-B 55	108-007-00559	54	300			
DARK SAE-B 60	108-007-00602	59,3	270			

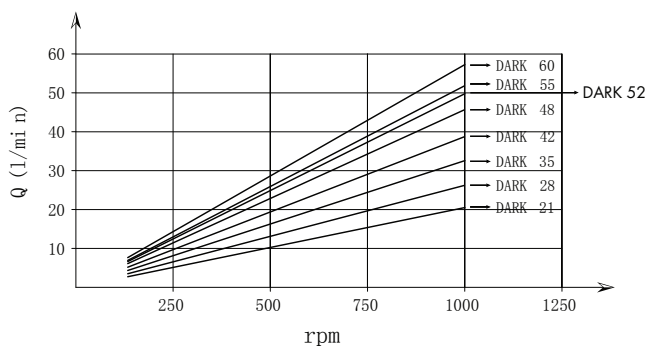
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COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

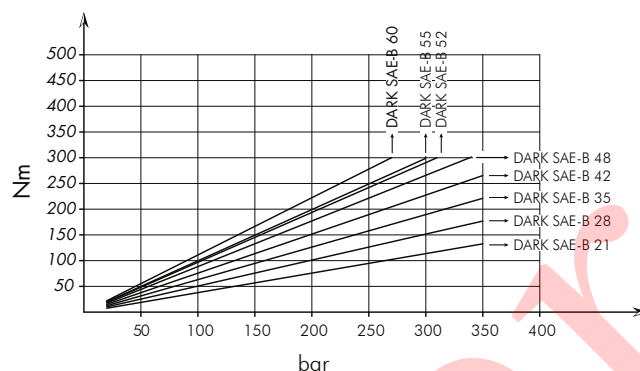
上海欧乐传动与控制技术有限公司
Shanghai euro power transmission & Control Ltd
中国·上海浦东申江科技园古丹路15弄21号 邮编: (201314)
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电话(Tel): 021-51028451 传真(Fax): 021-51028872
HTTP://www.europtc.com E-mail: info@europtc.com

OMFB
HYDRAULIC COMPONENTS

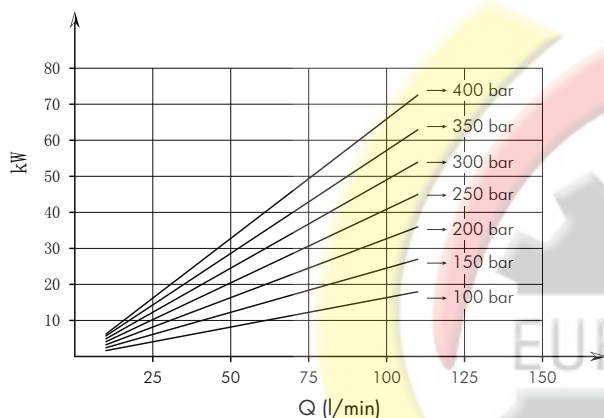
转速/流量
FLOW



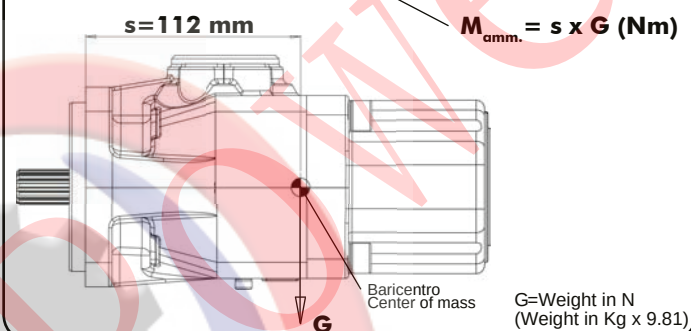
压力/驱动力矩
DRIVE TORQUE



流量/输入功率
POWER INPUT



MASS MOMENT



"S" dimension can be considered valid for all pump displacement.

密封圈
Seal Kit

108-903-00054

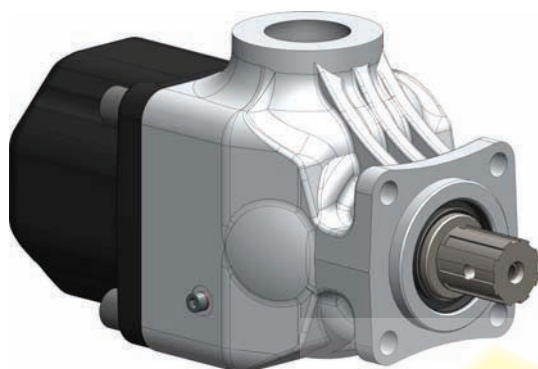
直轴柱塞泵

系列号
FAMILY CODE

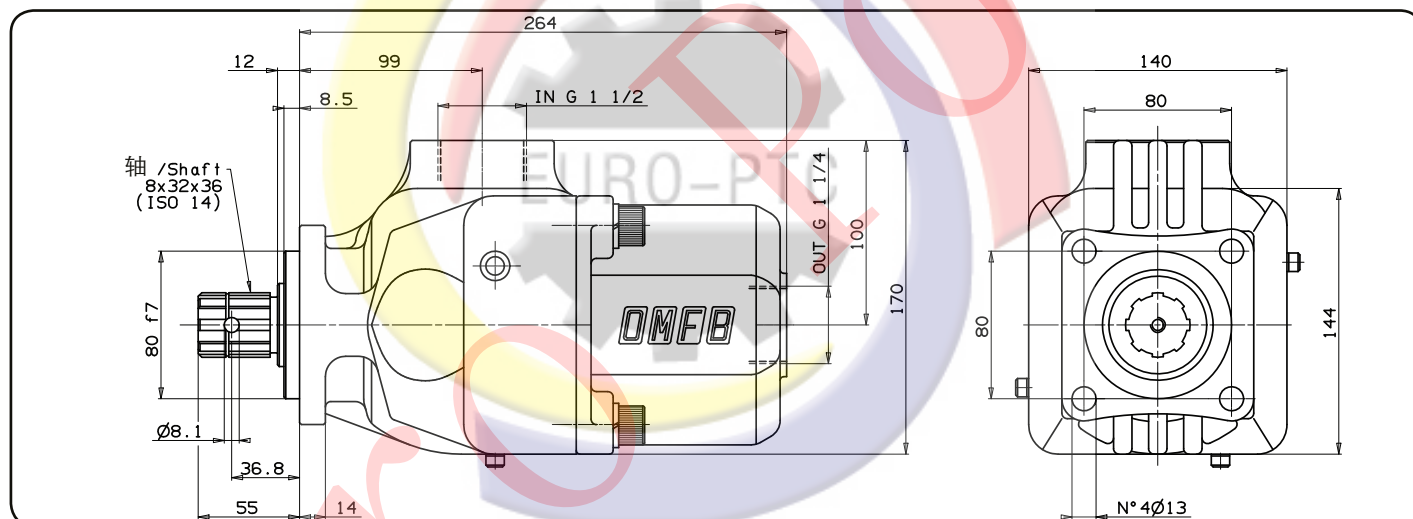
108-005

4 HOLES-ISO HYDRAULIC PISTON PUMPS

"2PAK"

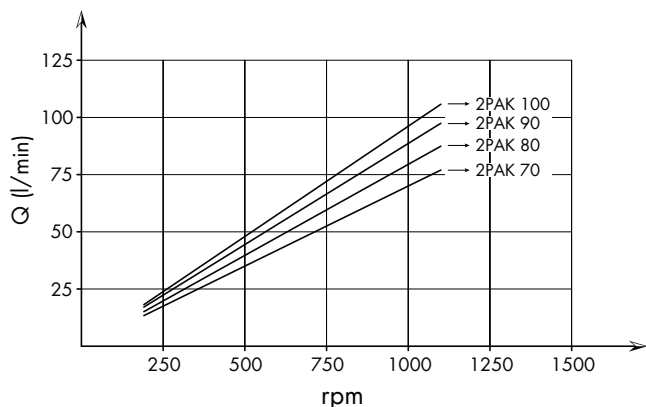


介质特性 Fluid	密封材料 (可选, 如无特殊说明, 标准密封材料为NBR) : Mineral or synthetic compatible with the following seals: NBR, FKM, FPM, Nylon				
建议运动粘度 Kinematic viscosity suggested	环境温度(°C) Average ambient temp. (°C)	< -10	-10÷10	10÷35	> 35
	VG (cSt = mm ² /s)	16	22	32	46
运动粘度范围 Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
建议最大启动运动粘度 Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
建议粘度系数 Viscosity index suggested	VI > 100	工作温度 Working temperature		-15°C ÷ 100°C	
过滤精度 Oil filtering			> 200 bar: 10 µm < 200 bar: 25 µm		
入口压力 Inlet pressure			0,85 ÷ 2 bar 绝对压力/absolut		
转向 Pump rotation			双向 Bidirectional		
请确保柱塞泵的安装位置低于水平高度最低的油箱下方至少100mm, 并在启动工作前, 排空泵体内气体。 Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					

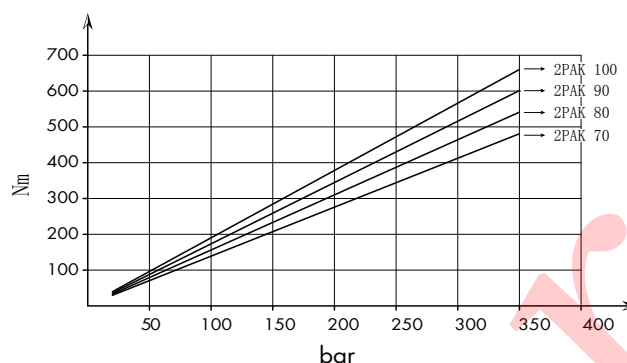


型号 Pump type	订货号 Code	排量 Displacement cm ³ /rev	压力 Pressure		最高转速 Max speed rpm	重量 Weight kg
			最大压力 Max bar	峰值压力 Peak bar		
2PAK-70	108-005-07027	73	300	350	1500	21
2PAK-80	108-005-08026	82,2				20,8
2PAK-90	108-005-09025	91,4				20,8
2PAK-100	108-005-10022	100,4				20,8

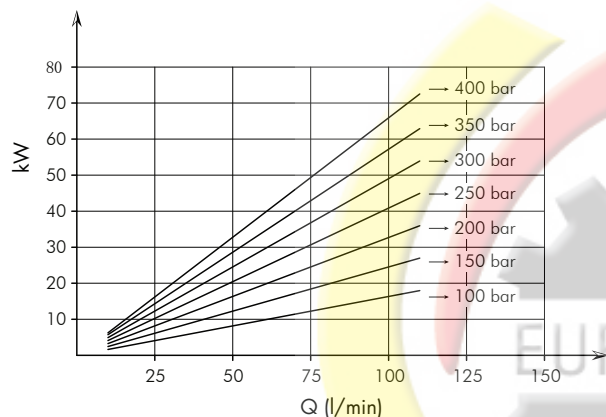
转速/流量
FLOW



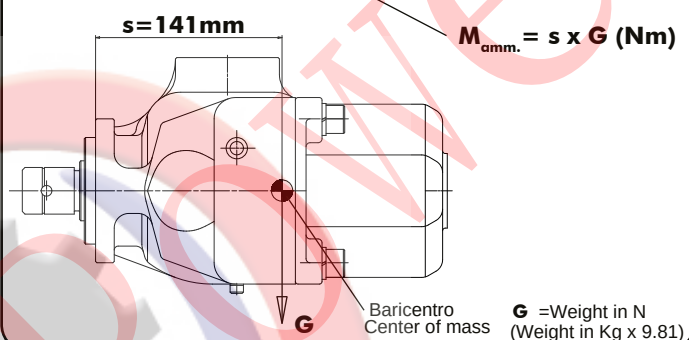
压力/驱动力矩
DRIVE TORQUE



流量/输入功率
POWER INPUT



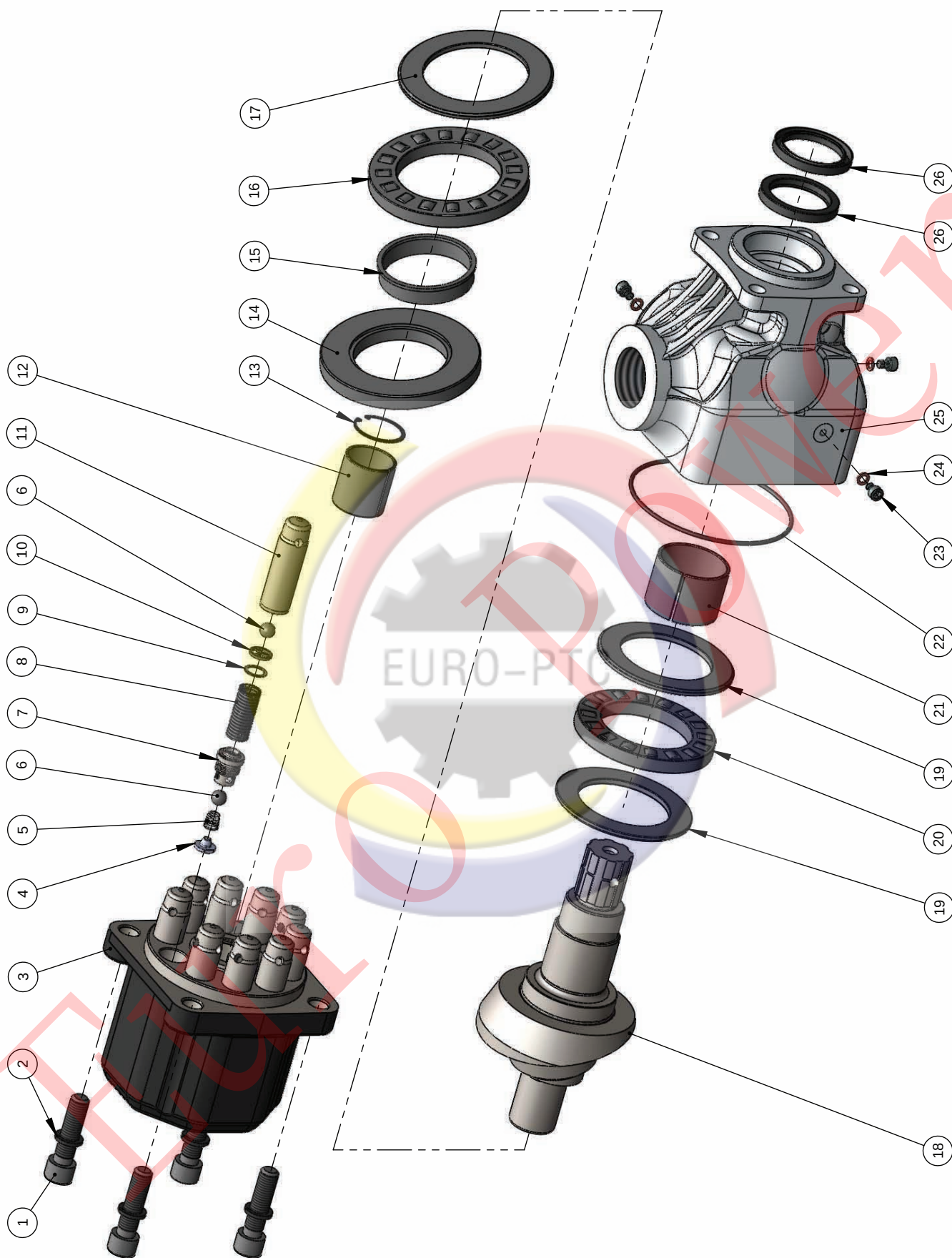
MASS MOMENT



"s" dimension can be considered valid for all pump displacement.

密封圈
Seal Kit

108-903-00036



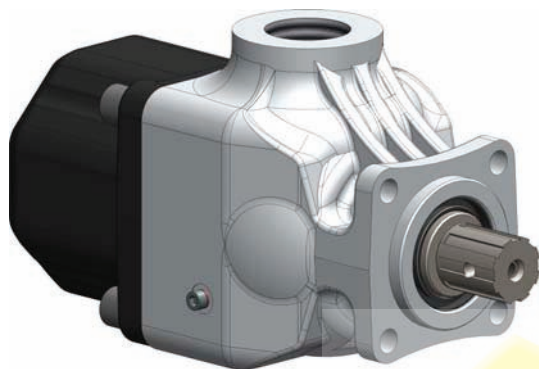
双排量直轴柱塞泵

系列号
FAMILY CODE

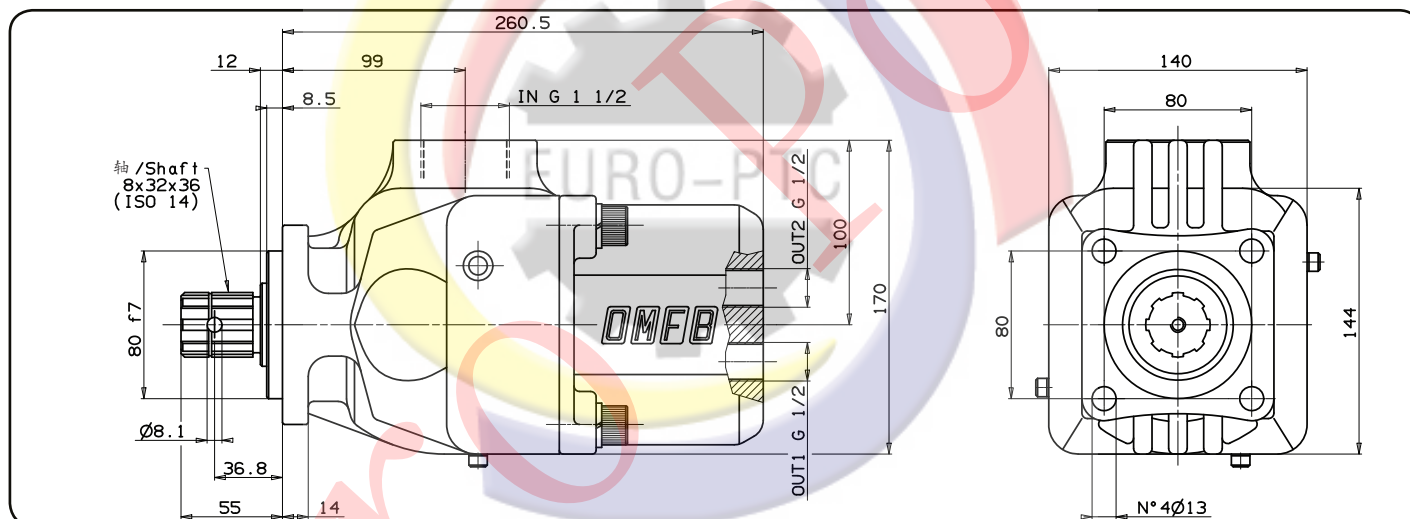
108-008

4 TWIN DELIVERY 4 HOLES-ISO HYDRAULIC PISTON PUMPS

"2PAK"



介质特性 Fluid	密封材料 (可选, 如无特殊说明, 标准密封材料为NBR) : Mineral or synthetic compatible with the following seals: NBR, FKM, FPM, Nylon				
建议运动粘度 Kinematic viscosity suggested	环境温度[°C] Average ambient temp. [°C]	< -10	-10÷10	10÷35	> 35
	VG (cSt = mm ² /s)	16	22	32	46
运动粘度范围 Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
建议最大启动运动粘度 Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
建议粘度系数 Viscosity index suggested	VI > 100	工作温度 Working temperature		-15°C ÷ 100°C	
过滤精度 Oil filtering			> 200 bar: 10 µm < 200 bar: 25 µm		
入口压力 Inlet pressure			0,85 ÷ 2 bar 绝对压力/absolut		
转向 Pump rotation			双向 Bidirectional		
请确保柱塞泵的安装位置低于水平高度最低的油箱下方至少100mm, 并在启动工作前, 排空泵体内气体。 Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					



型号 Pump type	订货号 Code	排量 Displacement cm ³ /rev	压力 Pressure		最高转速 Max speed rpm	重量 Weight kg
			最大压力 Max bar	峰值压力 Peak bar		
2PAK-35+35	108-008- 35351	35+35	300	350	1500	21,4
2PAK-50+30	108-008- 50307	50+30				21,2
2PAK-50+50	108-008- 50503	50+50				

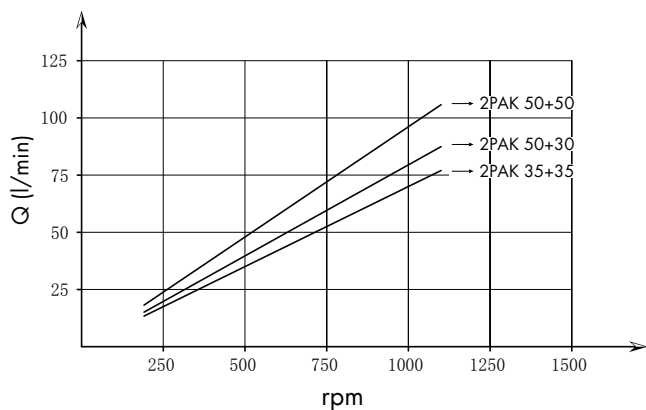
pag.12



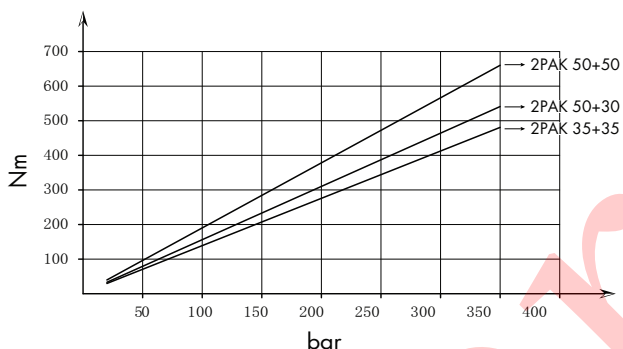
上海欧乐传动与控制技术有限公司
Shanghai euro power transmission & Control Ltd
中国·上海浦东申江科技园古丹路15弄21号 邮编: (201314)
Add: Via.21, Lane15, Gudun Road, Shenjiang Technology Park, Pudong, Shanghai, China, 201314.
电话(Tel): 021-51028451 传真(Fax): 021-51028872
Http://www.europtc.com E-mail: info@europtc.com

COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

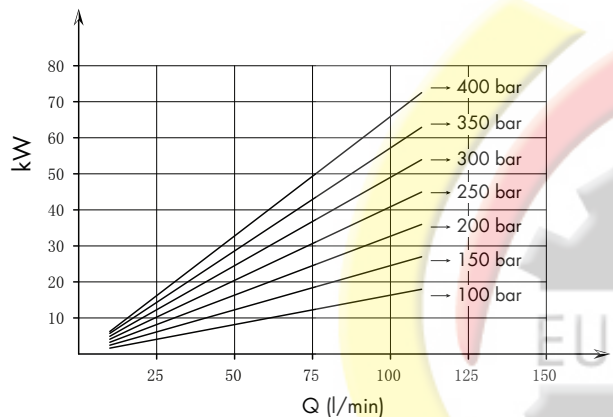
转速/流量 FLOW



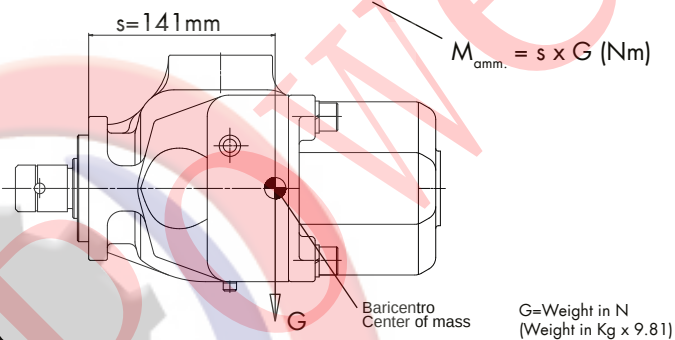
压力/驱动力矩 DRIVE TORQUE



流量/输入功率 POWER INPUT



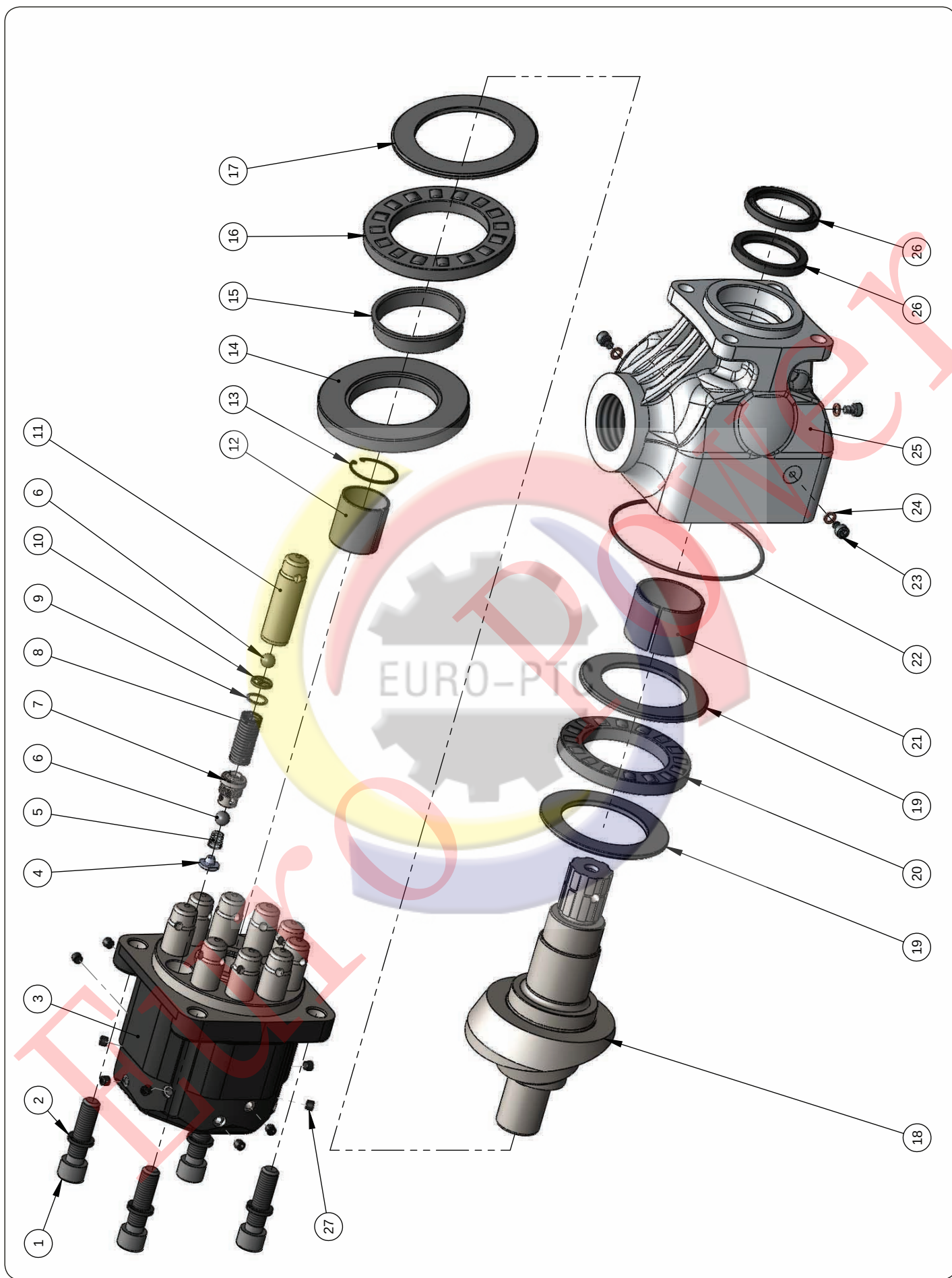
MASS MOMENT



"s" dimension can be considered valid for all pump displacement.

密封圈
Seal Kit

108-903-00036



pag.14

直轴柱塞泵

BENT AXIS PISTON PUMPS

系列号
FAMILY CODE

108-014

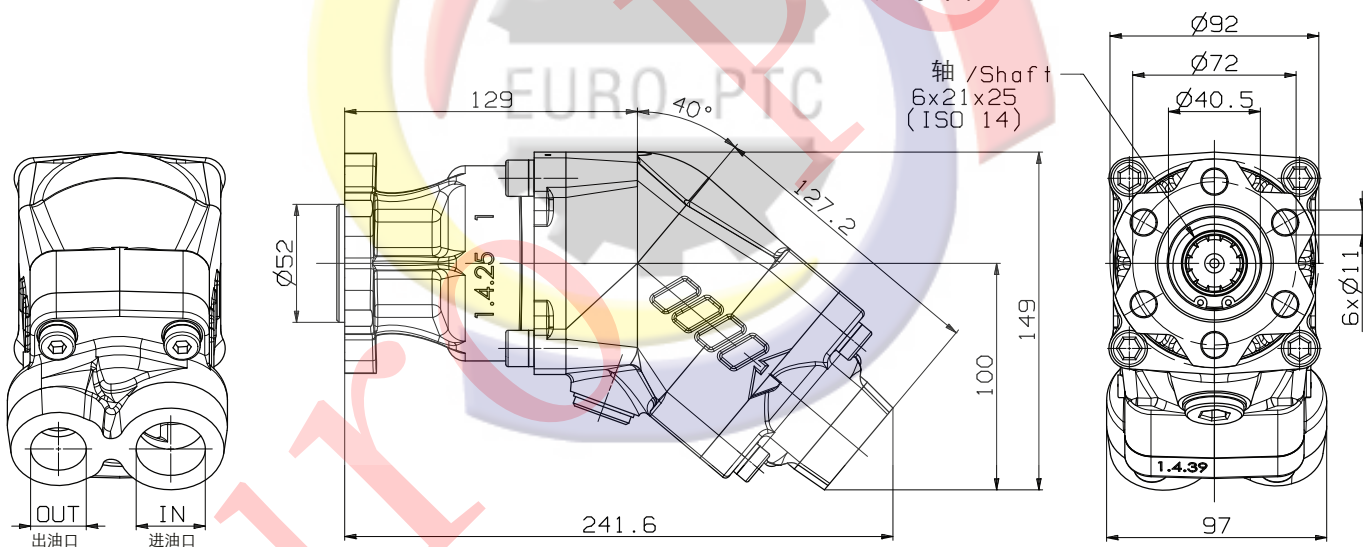
"HDS"

UNI 12-17-25-34



介质特性 Fluid	密封材料 (可选, 如无特殊说明, 标准密封材料为NBR) : Mineral or synthetic compatible with the following seals: FKM, FPM, HNBR				
建议运动粘度 Kinematic viscosity suggested	环境温度(°C) Average ambient temp. (°C)	< -40	-40÷1	10÷35	> 35
	VG (cSt = mm ² /s)	16	22	32	46
运动粘度范围 Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
建议最大启动运动粘度 Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
建议粘度系数 Viscosity index suggested	VI > 100	工作温度 Working temperature		-15°C ÷ 140°C	
过滤精度 Oil filtering			> 200 bar: 10 µm < 200 bar: 25 µm		
入口压力 Inlet pressure			0,85 ÷ 2 bar 绝对压力/absolut		
转向 Pump rotation			右旋或左旋 Unidirectional (Right or Left)		
请确保柱塞泵的安装位置低于水平高度最低的油箱下方至少100mm, 并在启动工作前, 排空泵体内气体。 Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					

尺寸单位: mm/Dimensions in mm



型号 Pump type	转向 Rotation		进油口 IN	出油口 OUT	进油口 IN	出油口 OUT
	右旋 Right	左旋 Left	ISO 228	ISO 228	SAE	SAE
HDS-12	108-014-01237	108-014-01246	G 1	G 3/4		
HDS-17	108-014-01737	108-014-01746				
HDS-25	108-014-02530	108-014-02549				
HDS-34	108-014-03431	108-014-03440				

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COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

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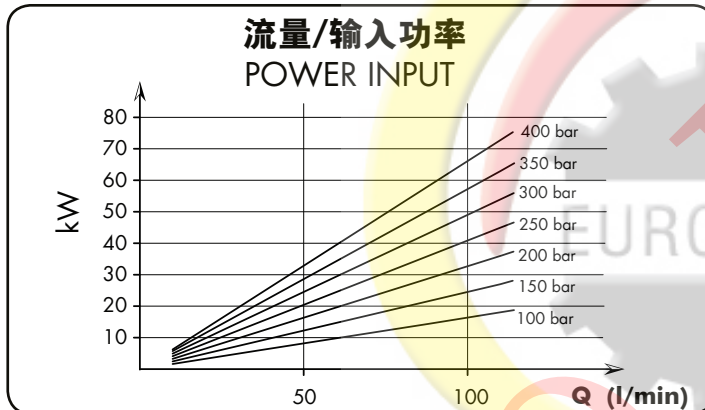
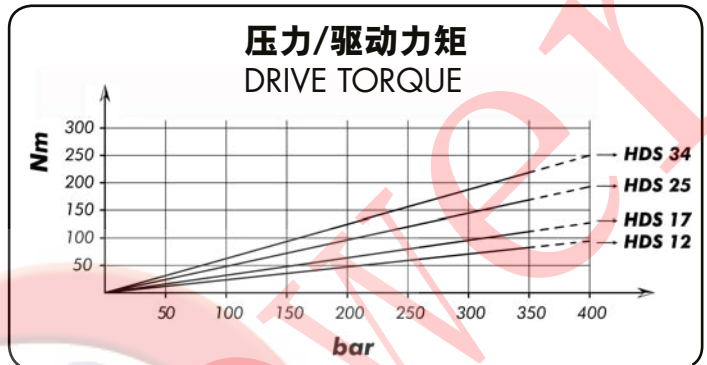
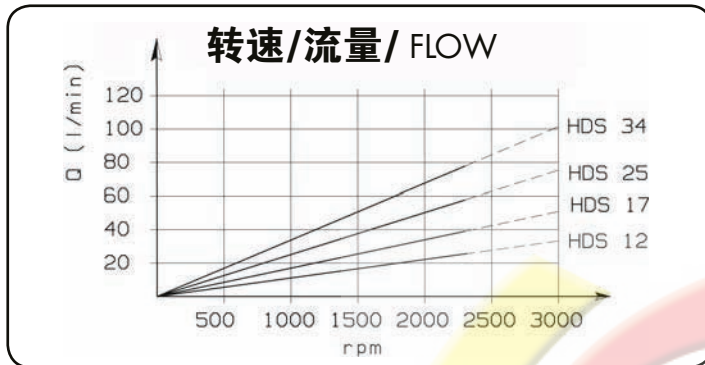
OMFB
HYDRAULIC COMPONENTS

技术参数/ TECHNICAL FEATURES

型号 Pump type	排量 Displacement cm ³ /rev	压力 Pressure		转速 / Speed			最低转速 Min. speed rpm	重量 Weight kg
		P1 bar	P3 bar	V0 rpm	V1 rpm	V2 rpm		
HDS-12	12.62	350	400	3000	2300	3000	300	8,3
HDS-17	16.98							
HDS-25	25.12							
HDS-34	33.80							

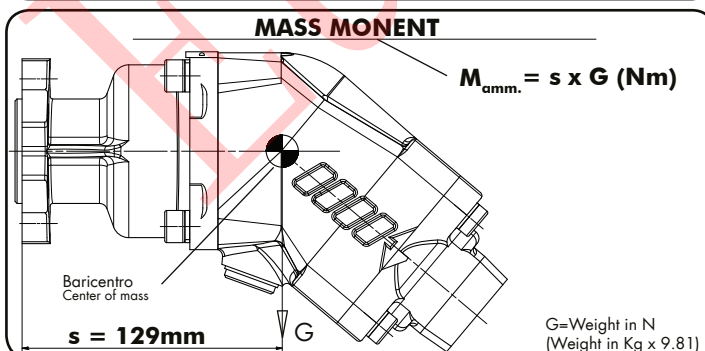
P1=最高持续工作压力 Max. continuous pressure (100%)
P3=峰值压力 Max. peak pressure (6 sec.max)

V0=最大连续转速 (无负载) Max. continuous speed without load
V1=最大连续转速 Max. continuous speed
V2=间歇转速 Max. intermittent speed



**吸油管选型建议
HOW TO CHOOSE THE SUCTION PIPE SIZE**

流量 Flow l/min	Ø最小管径 Min pipe diam.		流速 Flow speed (m/s)
20	25	1"	0,68
30	32	1" 1/4	0,62
40	32	1" 1/4	0,83
50	38	1" 1/2	0,74
60	38	1" 1/2	0,88
70	40	1" 9/16	0,93
80	45	1" 3/4	0,84
90	45	1" 3/4	0,94
100	50	2"	0,85
110	50	2"	0,93
120	60	2" 3/8	0,71
130	60	2" 3/8	0,77
140	60	2" 3/8	0,83
150	60	2" 3/8	0,88
160	63	2" 1/2	0,86
170	63	2" 1/2	0,91
180	63	2" 1/2	0,96



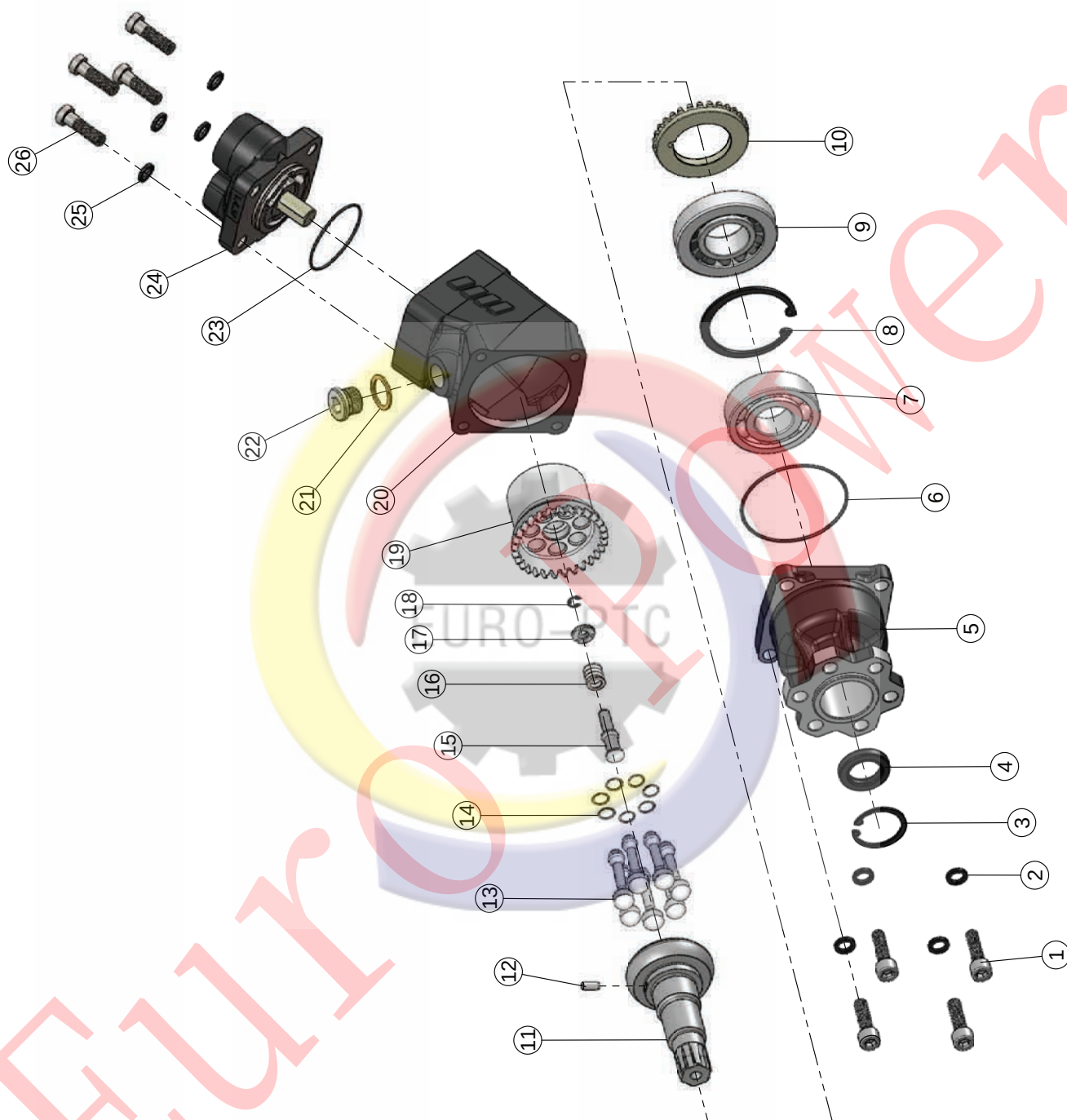
确保吸油管内流速不超过1mt/sec

To ensure the proper suction pipe size the flow speed should not exceed 1mt/sec.

密封圈/ Seal Kit

GAS

108-903-26349



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上海欧乐传动与控制技术有限公司

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斜轴柱塞泵

BENT AXIS PISTON PUMPS

系列号
FAMILY CODE

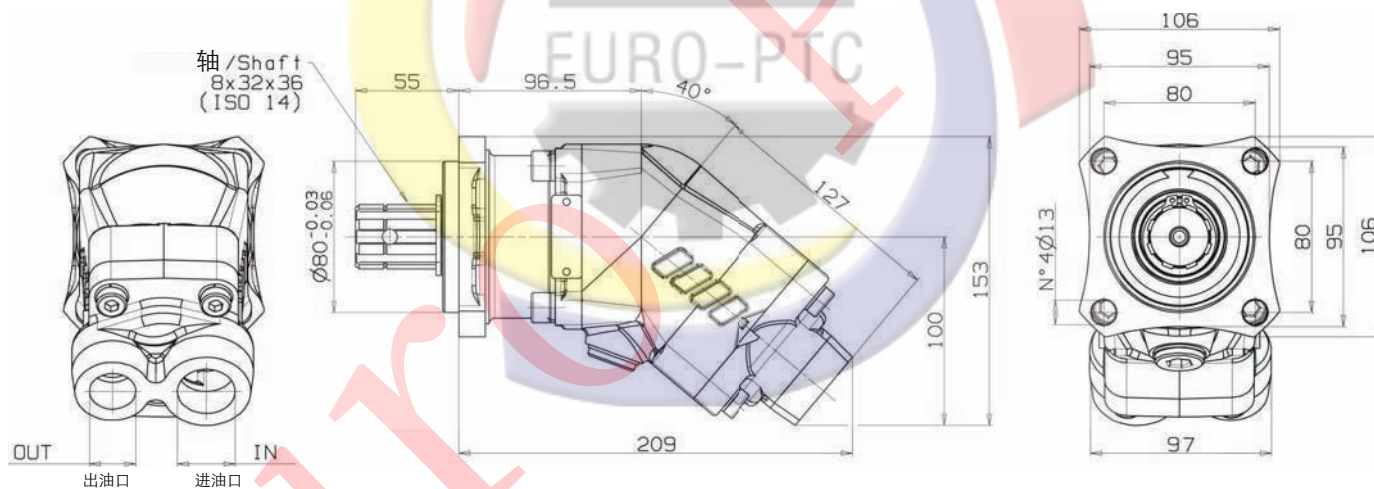
108-015

"HDS" ISO 12-17-25-34



介质特性 Fluid	密封材料 (可选, 如无特殊说明, 标准密封材料为NBR) : Mineral or synthetic compatible with the following seals: FKM, FPM, HNBR				
建议运动粘度 Kinematic viscosity suggested	环境温度(°C) Average ambient temp. (°C)	< -40	-40÷10	10÷35	> 35
	VG (cSt = mm ² /s)	16	22	32	46
运动粘度范围 Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
建议最大启动运动粘度 Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
建议粘度系数 Viscosity index suggested	VI > 100	工作温度 Working temperature		-40°C ÷ 140°C	
过滤精度 Oil filtering			> 200 bar: 10 μm < 200 bar: 25 μm		
入口压力 Inlet pressure			0,85 ÷ 2 bar 绝对压力/absolut		
转向 Pump rotation			右旋或左旋 Unidirectional (Right or Left)		
请确保柱塞泵的安装位置低于水平高度最低的油箱下方至少100mm, 并在启动工作前, 排空泵体内气体。 Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					

尺寸单位: mm/Dimensions in mm



型号 Pump type	转向 Rotation		进油口	出油口	进油口	出油口
	右旋 Right	左旋 Left	IN ISO 228	OUT ISO 228	IN SAE	OUT SAE
HDS-12	108-015-01236	108-015-01245	G 1	G 3/4		
HDS-17	108-015-01736	108-015-01745	G 1	G 3/4		
HDS-25	108-015-02539	108-015-02548	G 1	G 3/4		
HDS-34	108-015-03430	108-015-03449	G 1	G 3/4		

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技术参数/ TECHNICAL FEATURES

型号 Pump type	排量 Displacement cm ³ /rev	压力 Pressure		最低转速 / Speed			最低转速 Min. speed rpm	重量 Weight kg
		P1 bar	P3 bar	V0 rpm	V1 rpm	V2 rpm		
HDS-12	12.62	350	400	3000	2300	3000	300	8,7
HDS-17	16.98							
HDS-25	25.12							
HDS-34	33.80							

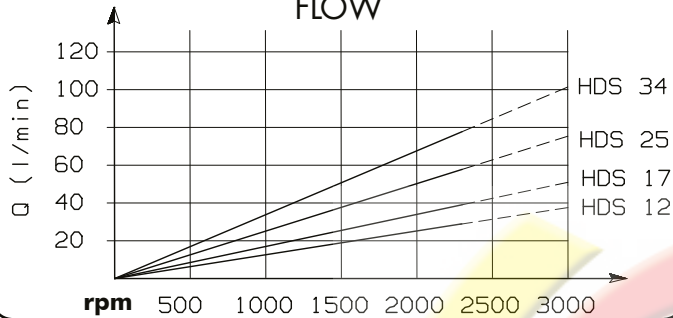
P1=最高持续工作压力
P3=峰值压力

Max. continuous pressure (100%)
Max. peak pressure (6 sec.max)

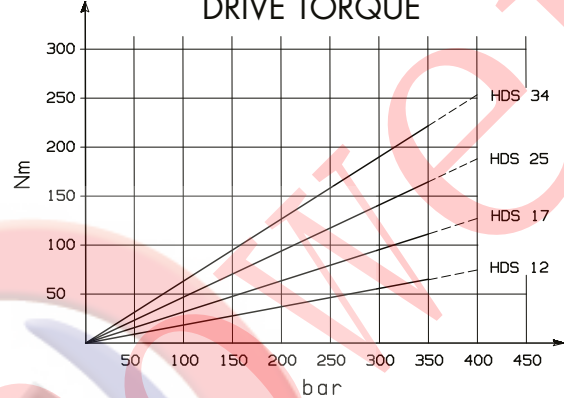
V0=最大连续转速 (无负载)
V1=最大连续转速
V2=间歇转速

Max. continuous speed without load
Max. continuous speed
Max. intermittent speed

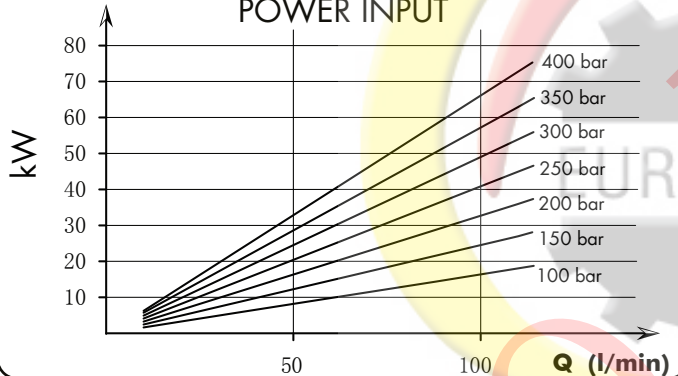
转速/流量
FLOW



压力/驱动力矩
DRIVE TORQUE



流量/输入功率
POWER INPUT



吸油管选型建议

HOW TO CHOOSE THE SUCTION PIPE SIZE

流量 Flow l/min	Ø 最小管径 Min pipe diam.		流速 Flow speed (m/s)
	mm	inch	
20	25	1"	0,68
30	32	1" 1/4	0,62
40	32		0,83
50	38	1" 1/2	0,74
60	38		0,88
70	40	1" 9/16	0,93
80	45	1" 3/4	0,84
90	45		0,94
100	50	2"	0,85
110	50		0,93
120	60		0,71
130	60	2" 3/8	0,77
140	60		0,83
150	60		0,88
160	63	2" 1/2	0,86
170	63		0,91
180	63		0,96

确保吸油管内流速不超过1mt/sec

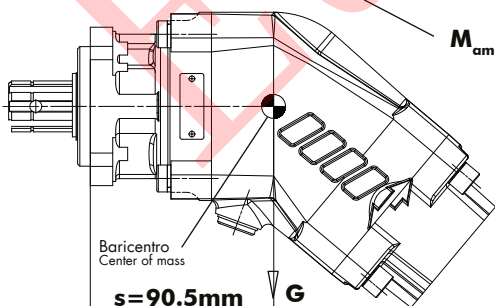
To ensure the proper suction pipe size the flow speed should not exceed 1mt/sec.

左旋

右旋

MASS MOMENT

$$M_{amm.} = s \times G \text{ (Nm)}$$



G=Weight in N
(Weight in Kg x 9.81)

密封圈/ Seal Kit

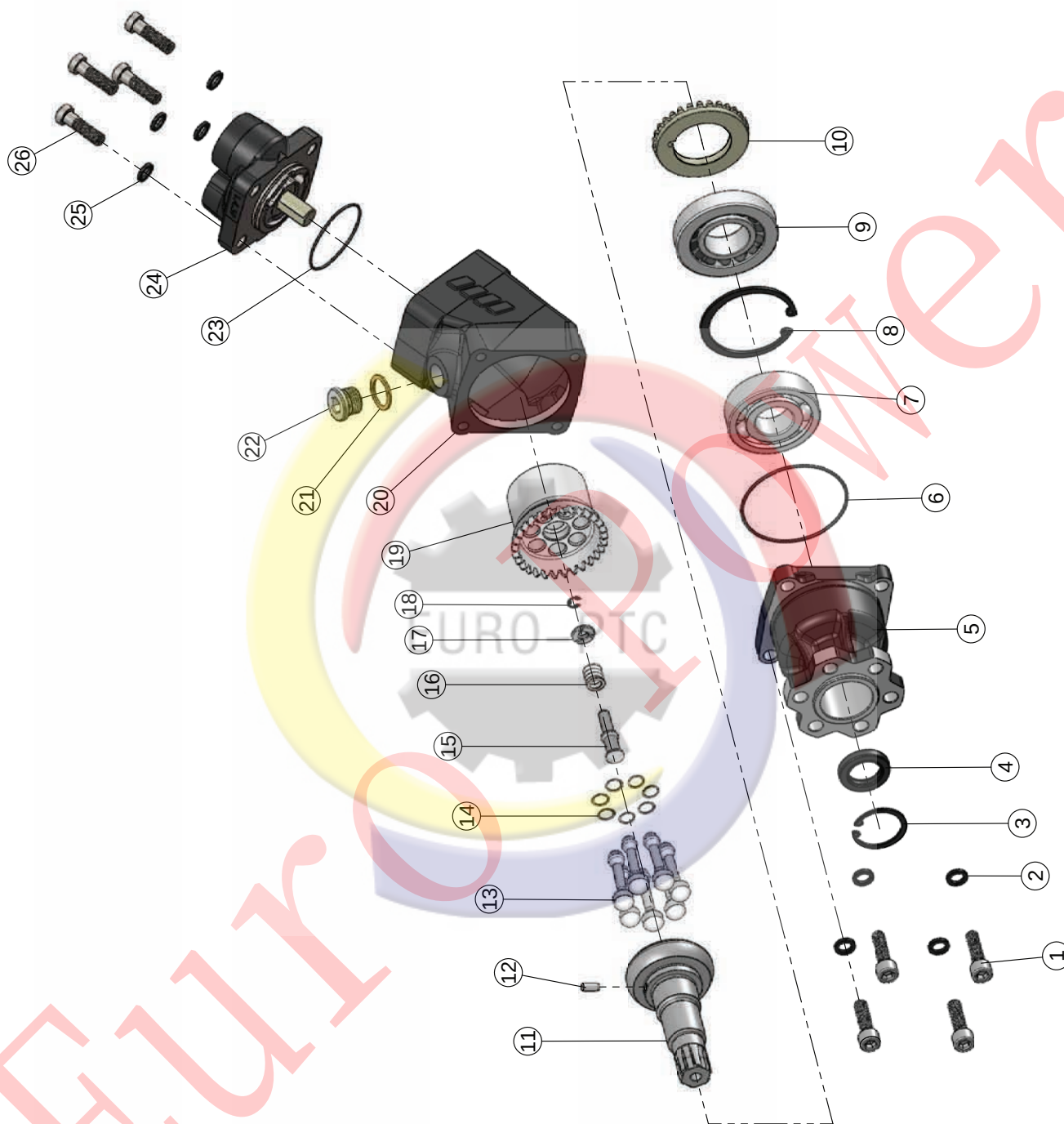
108-903-25340

pag.19

COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

上海欧乐传动与控制技术有限公司
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Add: Via.21, Lane15, Gudun Road, Shenjiang Technology Park, Pudong, Shanghai, China, 201314,
电话(Tel): 021-51028451 传真(Fax): 021-51028872
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OMFB
HYDRAULIC COMPONENTS



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斜轴柱塞泵

BENT AXIS PISTON PUMPS

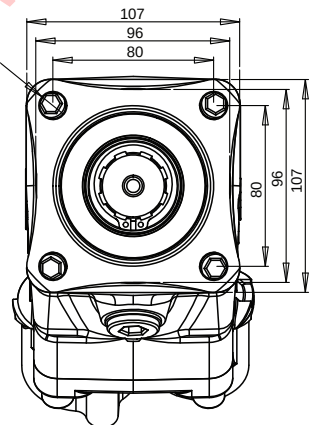
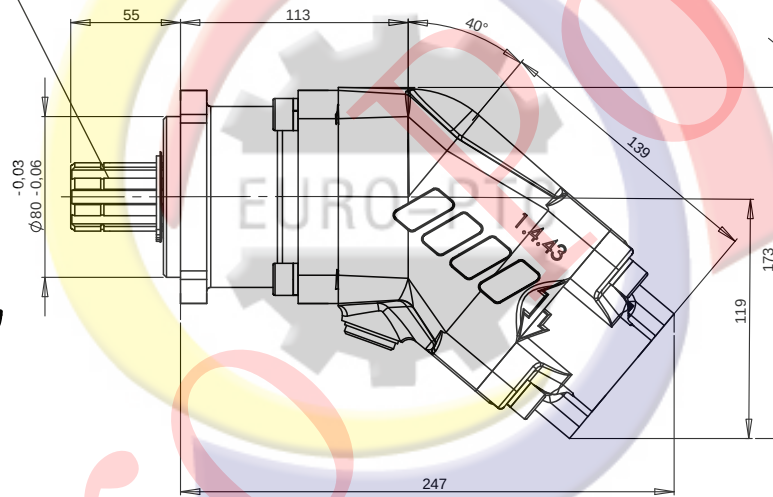
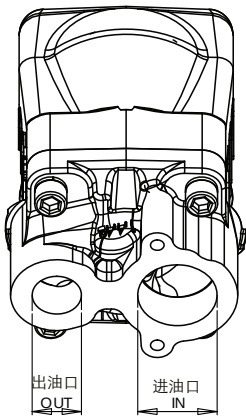
"HDS" 40-47-55-64

"MDS" 80



介质特性 Fluid	密封材料 (可选, 如无特殊说明, 标准密封材料为NBR) : Mineral or synthetic compatible with the following seals: FKM, FPM, HNBR				
建议运动粘度 Kinematic viscosity suggested	环境温度(°C) Average ambient temp. (°C)	< -40	-40÷10	10÷35	> 35
	VG (cSt = mm ² /s)	16	22	32	46
运动粘度范围 Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
建议最大启动运动粘度 Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
建议粘度系数 Viscosity index suggested	VI > 100	工作温度 Working temperature		-40°C ÷ 140°C	
过滤精度 Oil filtering			> 200 bar: 10 µm < 200 bar: 25 µm		
入口压力 Inlet pressure			0,85 ÷ 2 bar 绝对压力/absolut		
转向 Pump rotation			右旋或左旋 Unidirectional (Right or Left)		
请确保柱塞泵的安装位置低于水平高度最低的油箱下方至少100mm, 并在启动工作前, 排空泵体内气体。 Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					

轴/Shaft
8x32x36
(ISO 14)



尺寸单位: mm
Dimensions in mm

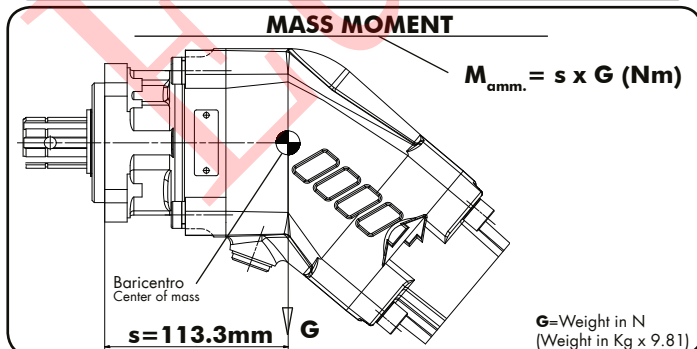
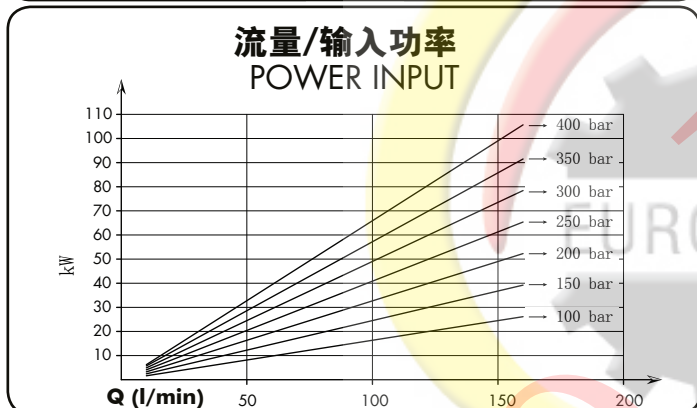
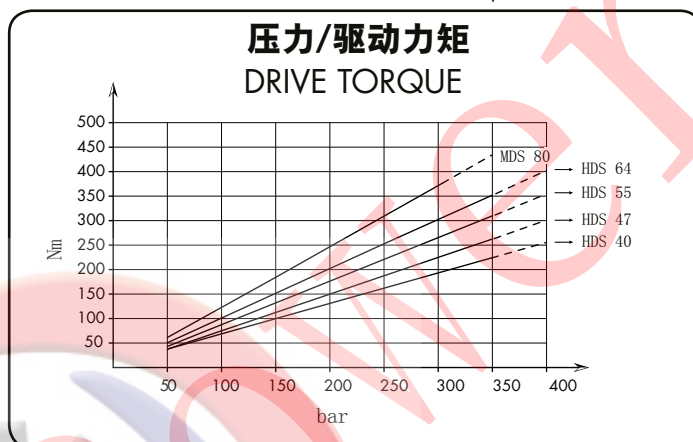
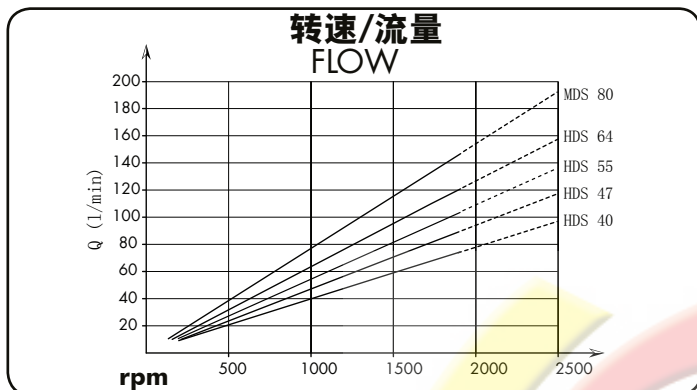
型号 Pump type	转向 Rotation		进油口 IN	出油口 OUT	进油口 IN	出油口 OUT
	右旋 Right	左旋 Left				
HDS-40	108-015-04037	108-015-04046	ISO 228 G 1 1/4"	ISO 228 G 3/4"	SAE 20	SAE 12
	108-907-00407	108-907-00416			1 5/8-12	1 1/16-12
HDS-47	108-015-04733	108-015-04742	G 1 1/4"	G 3/4"		
	108-907-00470	108-907-00489			1 5/8-12	1 1/16-12
HDS-55	108-015-05536	108-015-05545	G 1 1/4"	G 3/4"		
	108-907-00550	108-907-00569			1 5/8-12	1 1/16-12
HDS-64	108-015-06035	108-015-06044	G 1 1/4"	G 3/4"		
	108-907-00649	108-907-00658			1 5/8-12	1 1/16-12
MDS-80	108-016-00807	108-016-00816	G 1 1/4"	G 3/4"		
	108-907-00809	108-907-00818			1 5/8-12	1 1/16-12

技术参数/ TECHNICAL FEATURES

型号 Pump type	排量 Displacement cm ³ /rev	压力 Pressure		转速 / Speed			最低转速 Min. speed rpm	重量 Weight kg
		P1 bar	P3 bar	V0 rpm	V1 rpm	V2 rpm		
HDS-40	41.25	350	400	2700	1900	2500	300	13,2
HDS-47	47.13							
HDS-55	56.70							
HDS-64	63.56							
MDS-80	77.25	250	300	2300	1800	2100		

P1=最高持续工作压力 Max. continuous pressure (100%)
P3=峰值压力 Max. peak pressure (6 sec.max)

V0=Max. continua vuoto Max. continuous speed without load
V1=Max. continua Max. continuous speed
V2=Max. intermittente Max. intermittent speed

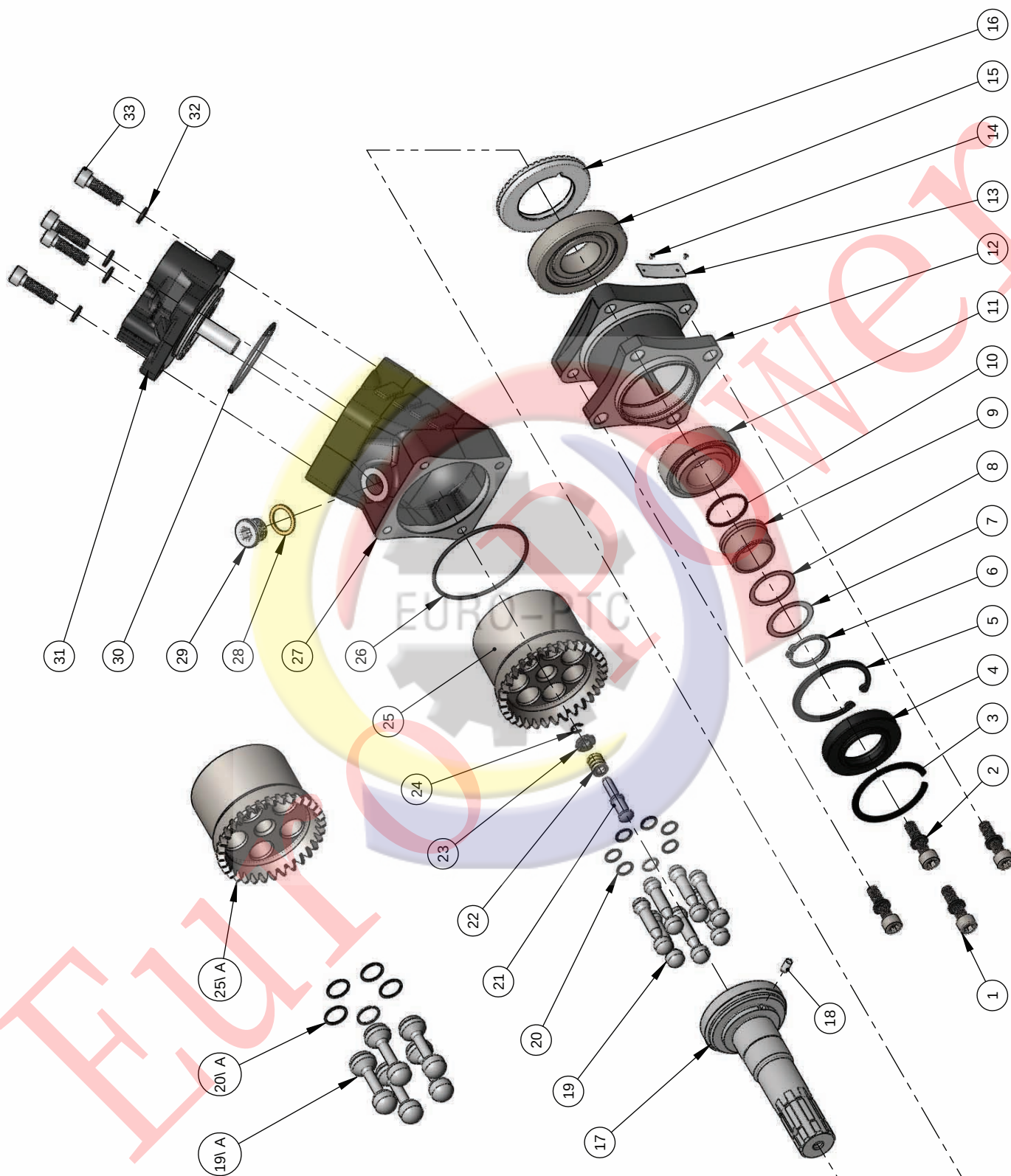


**吸油管选型建议
HOW TO CHOOSE THE SUCTION PIPE SIZE**

流量 Flow l/min	Ø 最小管径 Min pipe diam. mm inch	流速 Flow speed (m/s)
20	25 1"	0,68
30	32 1" 1/4	0,62
40	32 1" 1/4	0,83
50	38 1" 1/2	0,74
60	38 1" 1/2	0,88
70	40 1" 9/16	0,93
80	45 1" 3/4	0,84
90	45 1" 3/4	0,94
100	50 2"	0,85
110	50 2"	0,93
120	60 2" 3/8	0,71
130	60 2" 3/8	0,77
140	60 2" 3/8	0,83
150	60 2" 3/8	0,88
160	63 2" 1/2	0,86
170	63 2" 1/2	0,91
180	63 2" 1/2	0,96

确保吸油管内流速不超过1mt/sec
To ensure the proper suction pipe size the flow speed should not exceed 1 mt/sec.

密封圈/ Seal Kit
108-903-47648

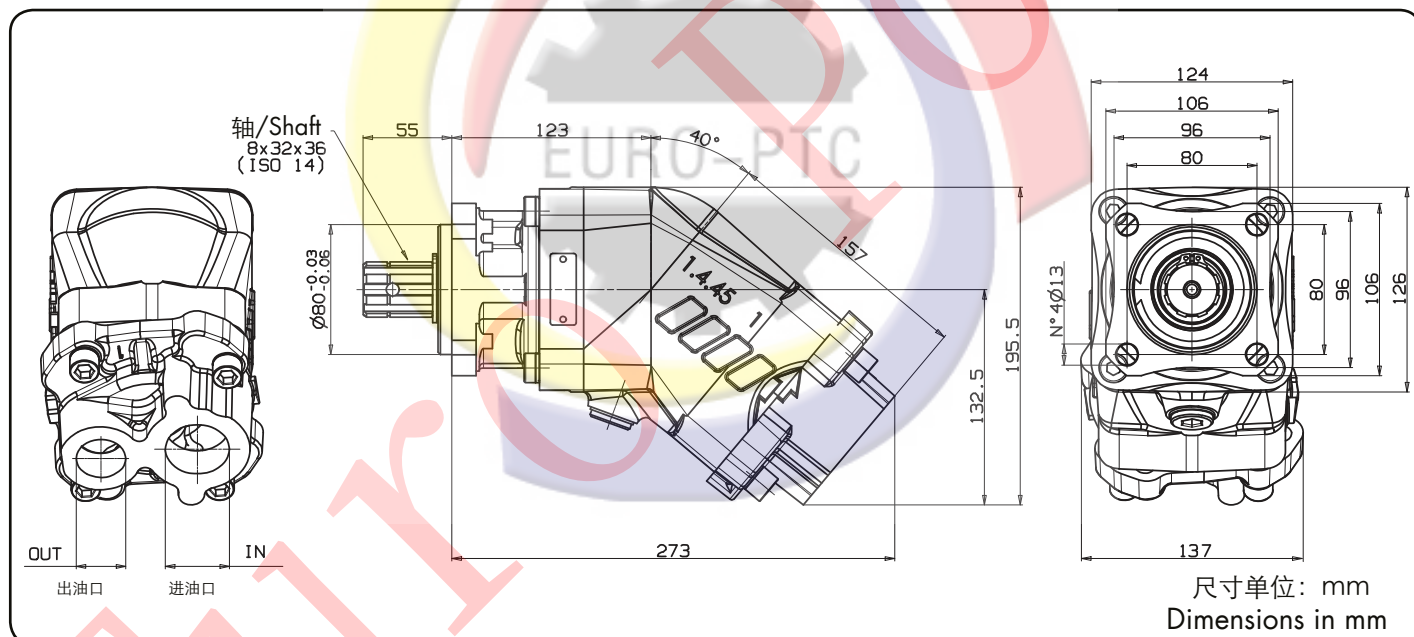


斜轴柱塞泵

BENT AXIS PISTON PUMPS

"HDS" 84-108
"MDS" 130

介质特性 Fluid	密封材料 (可选, 如无特殊说明, 标准密封材料为NBR) : Mineral or synthetic compatible with the following seals: FKM, FPM, HNBR				
建议运动粘度 Kinematic viscosity suggested	环境温度(°C) Average ambient temp. (°C)	< -40	-40÷10	10÷35	> 35
	VG (cSt = mm ² /s)	16	22	32	46
运动粘度范围 Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
建议最大启动运动粘度 Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
建议粘度系数 Viscosity index suggested	VI > 100	工作温度 Working temperature		-40°C ÷ 140°C	
过滤精度 Oil filtering		> 200 bar: 10 µm < 200 bar: 25 µm			
入口压力 Inlet pressure		0,85 ÷ 2 bar 绝对压力/absolut			
转向 Pump rotation		右旋或左旋 Unidirectional (Right or Left)			
请确保柱塞泵的安装位置低于水平高度最低的油箱下方至少100mm, 并在启动工作前, 排空泵体内气体。 Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					



型号 Pump type	转向 Rotation		进油口 IN	出油口 OUT	进油口 IN	出油口 OUT
	右旋 Right	左旋 Left				
HDS-84	108-015-08033	108-015-08042	ISO 228 G 1 1/4	ISO 228 G 1	SAE 24	SAE 16
	108-907-00845	108-907-00854			1 7/8-12	1 5/16-12
HDS-108	108-015-10833	108-015-10842	G 1 1/2	G 1		
	108-907-01086	108-907-01095			1 7/8-12	1 5/16-12
MDS-130	108-016-01306	108-016-01315	G 1 1/2	G 1		
	108-907-11306	108-907-11315			1 7/8-12	1 5/16-12

技术参数/ TECHNICAL FEATURES

型号 Pump type	排量 Displacement cm ³ /rev	压力 Pressure		转速 / Speed			最低转速 Min. speed rpm	重量 Weight kg
		P1 bar	P3 bar	V0 rpm	V1 rpm	V2 rpm		
HDS-84	84.33	350	400	2300	1500	2000	300	18,2
HDS-108	107							
MDS-130	131.62	250	270					

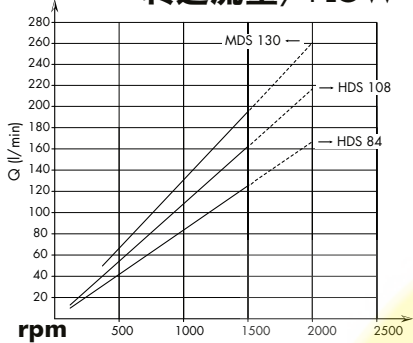
P1=最高持续工作压力
P3=峰值压力

Max. continuous pressure (100%)
Max. peak pressure (6 sec.max)

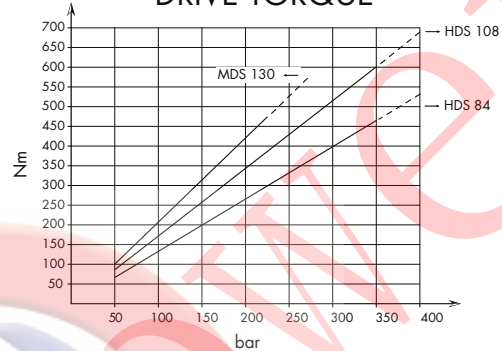
V0=最大连续转速 (无负载)
V1=最大连续转速
V2=间歇转速

Max. continuous speed without load
Max. continuous speed
Max. intermittent speed

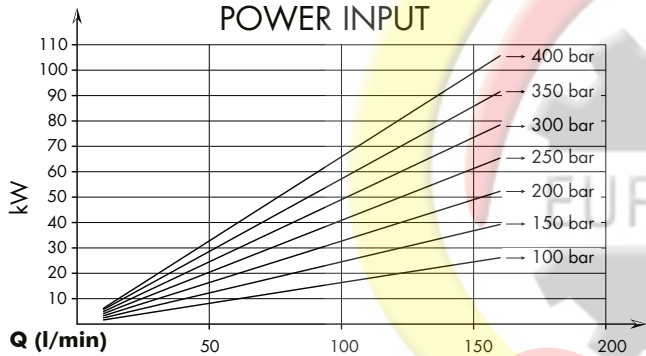
转速流量/ FLOW



压力/驱动力矩 DRIVE TORQUE



流量/输入功率 POWER INPUT



吸油管选型建议

HOW TO CHOOSE THE SUCTION PIPE SIZE

流量 Flow l/min	Ø最小管径 Min pipe diam.		流速 Flow speed (m/s)
	mm	inch	
20	25	1"	0,68
30	32	1" 1/4	0,62
40	32		0,83
50	38	1" 1/2	0,74
60	38		0,88
70	40	1" 9/16	0,93
80	45	1" 3/4	0,84
90	45		0,94
100	50	2"	0,85
110	50		0,93
120	60	2" 3/8	0,71
130	60		0,77
140	60		0,83
150	60		0,88
160	63	2" 1/2	0,86
170	63		0,91
180	63		0,96

确保吸油管内流速不超过1mt/sec

To ensure the proper suction pipe size the flow speed should not exceed 1mt/sec.

密封圈/ Seal Kit

108-903-84009

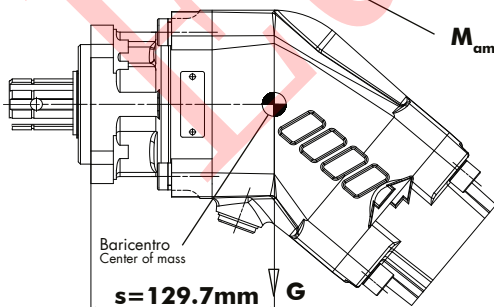
左旋



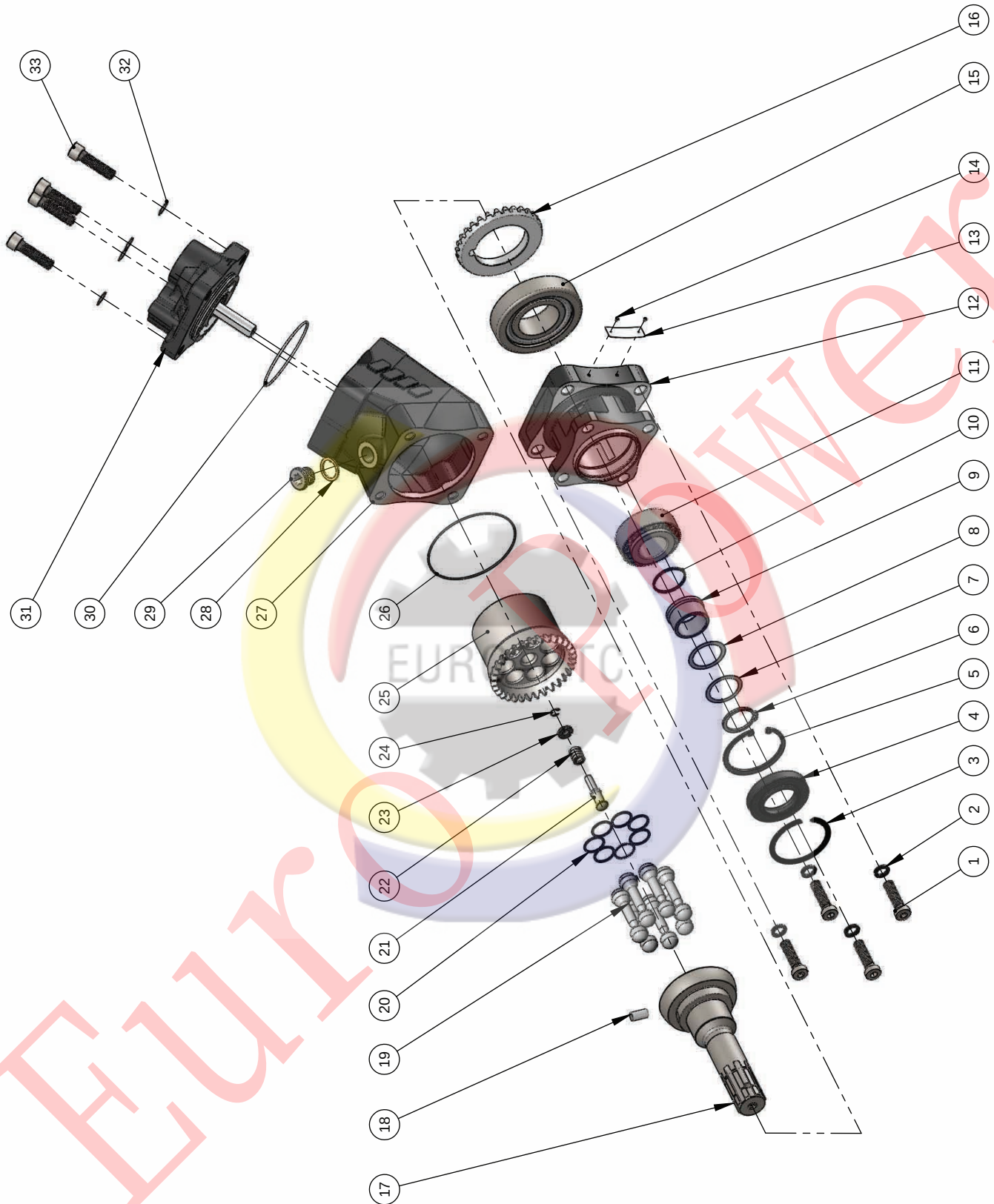
右旋

MASS MOMENT

$$M_{amm.} = s \times G \text{ (Nm)}$$



G=Weight in N
(Weight in Kg x 9.81)



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Add: Via.21, Lane15, Gudun Road, Shenjiang Technology Park, Pudong, Shanghai, China, 201314,
电话(Tel): 021-51028451 传真(Fax): 021-51028872
Http://www.europtc.com E-mail: info@europtc.com

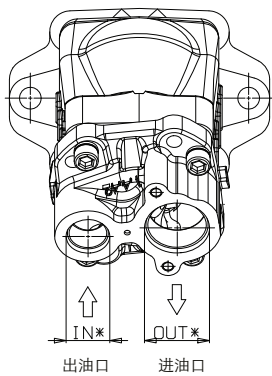
斜轴柱塞泵

BENT AXIS PISTON PUMPS

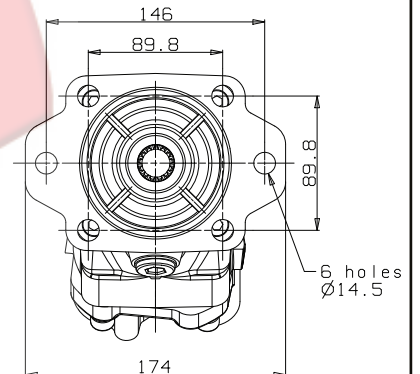
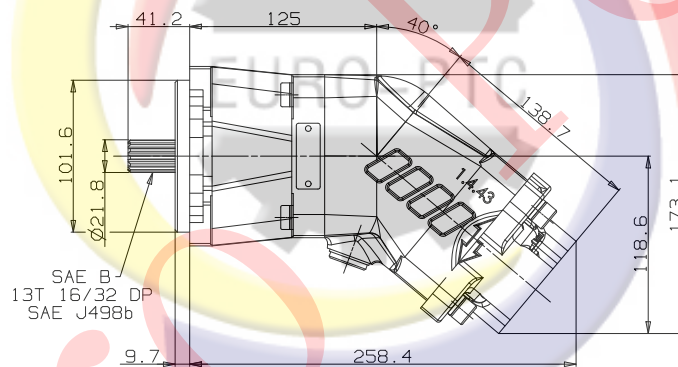
"HDS" SAE-B 47/55/64



介质特性 Fluid	密封材料 (可选, 如无特殊说明, 标准密封材料为NBR) : Mineral or synthetic compatible with the following seals: FKM, FPM, HNBR				
建议运动粘度 Kinematic viscosity suggested	环境温度(°C) Average ambient temp. (°C)	< -40	-40÷10	10÷35	> 35
	VG (cSt = mm ² /s)	16	22	32	46
运动粘度范围 Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
建议最大启动运动粘度 Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
建议粘度系数 Viscosity index suggested	VI > 100	工作温度 Working temperature		-15°C ÷ 140°C	
过滤精度 Oil filtering			> 200 bar: 10 µm < 200 bar: 25 µm		
入口压力 Inlet pressure			0,85 ÷ 2 bar 绝对压力/absolut		
转向 Pump rotation			右旋或左旋 Unidirectional (Right or Left)		
请确保柱塞泵的安装位置低于水平高度最低的油箱下方至少100mm, 并在启动工作前, 排空泵体内气体。 Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					



*O-Ring boss
O型圈



型号 Pump type	转向 Rotation		进油口 IN	出油口 OUT	进油口 IN	出油口 OUT
	右旋 Right	左旋 Left	SAE 20	SAE 12	GAS	GAS
HDS SAE-B 47	108-017-00477	108-017-00486	1 5/8-12	1 1/16-12		
	108-917-00478	108-917-00487			G 1 1/4	G 3/4
HDS SAE-B 55	108-017-00557	108-017-00566	1 5/8-12	1 1/16-12		
	108-917-00558	108-917-00567			G 1 1/4	G 3/4
HDS SAE-B 64	108-017-00646	108-017-00655	1 5/8-12	1 1/16-12		
	108-917-00647	108-917-00656			G 1 1/4	G 3/4

技术参数 TECHNICAL FEATURES

型号 Pump type	排量 Displacement cm ³ /rev	压力 Pressure		转速 / Speed			最低转速 Min. speed rpm	重量 Weight kg
		P1 bar	P3 bar	V0 rpm	V1 rpm	V2 rpm		
HDS-47	47.13	350	400	2700	1900	2500	300	14
HDS-55	56.70							
HDS-64	63.56							

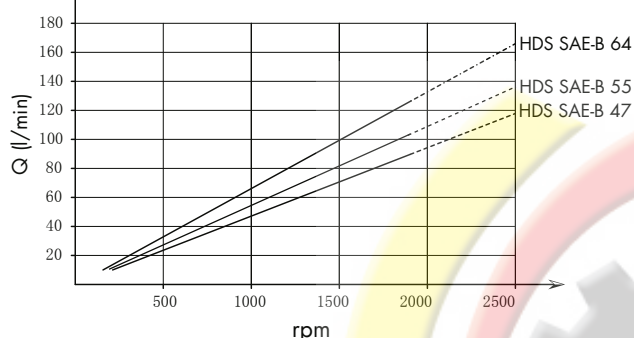
P1=最高持续工作压力
P3=峰值压力

Max. continuous pressure (100%)
Max. peak pressure (6 sec.max)

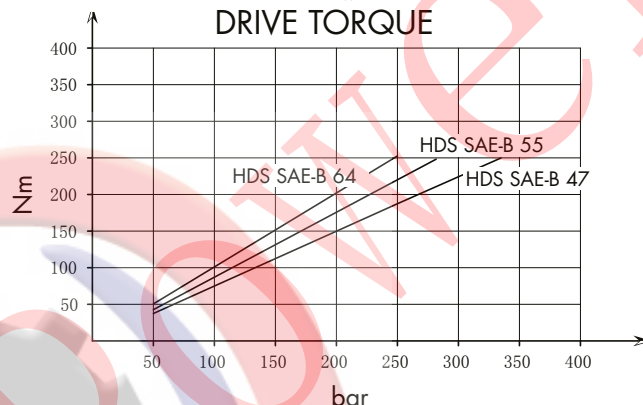
V0=最大连续转速 (无负载)
V1=最大连续转速
V2=间歇转速

Max. continuous speed without load
Max. continuous speed
Max. intermittent speed

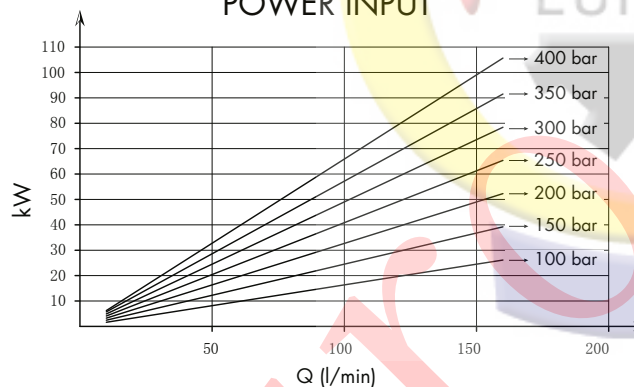
转速流量 / FLOW



压力/驱动力矩 DRIVE TORQUE



流量/输入功率 POWER INPUT



吸油管选型建议

HOW TO CHOOSE THE SUCTION PIPE SIZE

流量 Flow l/min	Ø 最小管径 Min pipe diam. mm	英寸 inch	流速 Flow speed (m/s)
20	25	1"	0,68
30	32	1" 1/4	0,62
40	32		0,83
50	38	1" 1/2	0,74
60	38		0,88
70	40	1" 9/16	0,93
80	45	1" 3/4	0,84
90	45		0,94
100	50	2"	0,85
110	50		0,93
120	60	2" 3/8	0,71
130	60		0,77
140	60		0,83
150	60		0,88
160	63	2" 1/2	0,86
170	63		0,91
180	63		0,96

确保吸油管内流速不超过1mt/sec

To ensure the proper suction pipe size the flow speed should not exceed 1mt/sec.

密封圈 / Seal Kit

108-903-00214

左旋

右旋

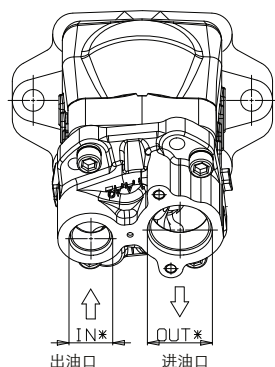
斜轴柱塞泵

BENT AXIS PISTON PUMPS

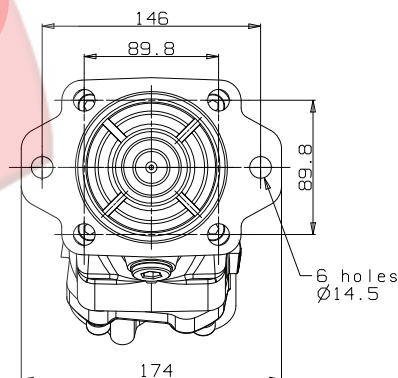
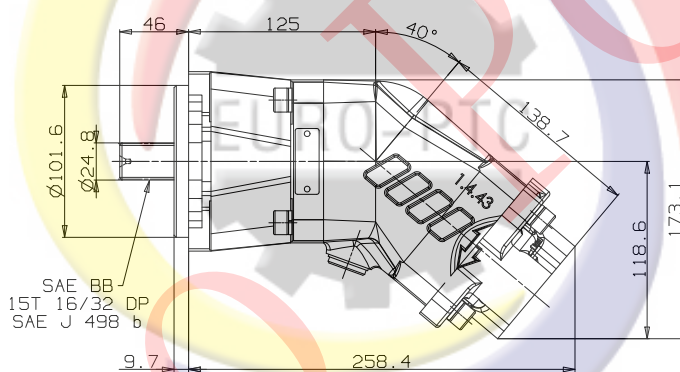
"HDS" SAE-BB 47/55/64
"MDS" SAE-BB 80



介质特性 Fluid	密封材料 (可选, 如无特殊说明, 标准密封材料为NBR) : Mineral or synthetic compatible with the following seals: FKM, FPM, HNBR				
建议运动粘度 Kinematic viscosity suggested	环境温度(°C) Average ambient temp. (°C)	< -40	-40÷10	10÷35	> 35
	VG (cSt = mm ² /s)	16	22	32	46
运动粘度范围 Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
建议最大启动运动粘度 Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
建议粘度系数 Viscosity index suggested	VI > 100	工作温度 Working temperature		-15°C ÷ 140°C	
过滤精度 Oil filtering			> 200 bar: 10 µm < 200 bar: 25 µm		
入口压力 Inlet pressure			0,85 ÷ 2 bar 绝对压力/absolut		
转向 Pump rotation			右旋或左旋 Unidirectional (Right or Left)		
请确保柱塞泵的安装位置低于水平高度最低的油箱下方至少100mm, 并在启动工作前, 排空泵体内气体。 Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					



*O-Ring boss
O型圈



型号 Pump type	转向 Rotation		进油口 IN	出油口 OUT	进油口 IN	出油口 OUT
	右旋 Right	左旋 Left	SAE 20	SAE 12	GAS	GAS
HDS SAE-BB 47	108-018-00476	108-018-00485	1 5/8-12	1 1/16-12		
	108-918-00477	108-918-00486			G 1 1/4	G 3/4
HDS SAE-BB 55	108-018-00556	108-018-00565	1 5/8-12	1 1/16-12		
	108-918-00557	108-918-00566			G 1 1/4	G 3/4
HDS SAE-BB 64	108-018-00645	108-018-00654	1 5/8-12	1 1/16-12		
	108-918-00646	108-918-00655			G 1 1/4	G 3/4
MDS SAE-BB 80	108-018-10803	108-018-10812	1 5/8-12	1 1/16-12		
	108-918-10804	108-918-10813			G 1 1/4	G 3/4

技术参数/ TECHNICAL FEATURES

型号 Pump type	排量 Displacement cm ³ /rev	压力 Pressure		转速 / Speed			最低转速 Min. speed rpm	重量 Weight kg
		P1 bar	P3 bar	V0 rpm	V1 rpm	V2 rpm		
HDS-47	47.13	350	400	2700	1900	2500	300	14
HDS-55	56.70							
HDS-64	63.56							
MDS-80	77.25	250	300	2300	1800	2100		

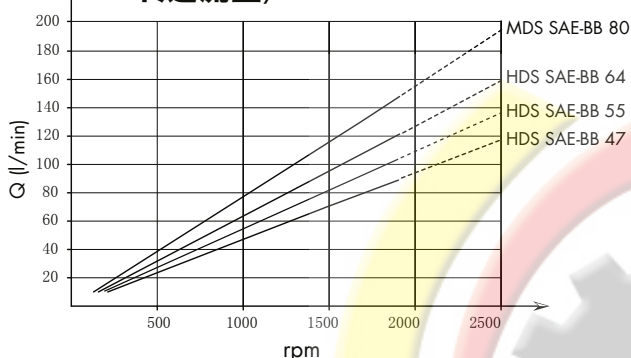
P1=最高持续工作压力
P3=峰值压力

Max. continuous pressure (100%)
Max. peak pressure (6 sec.max)

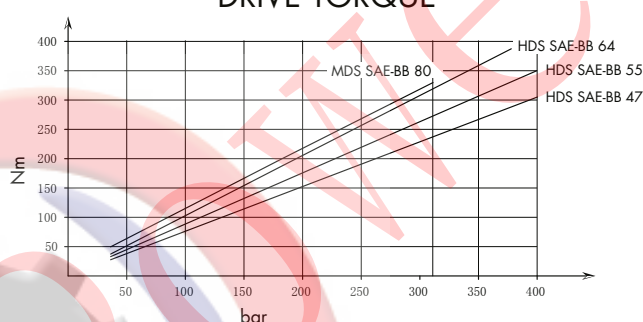
V0=最大连续转速 (无负载)
V1=最大连续转速
V2=间歇转速

Max. continuous speed without load
Max. continuous speed
Max. intermittent speed

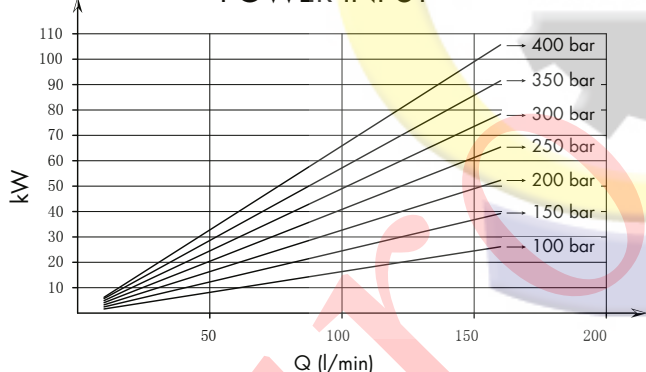
转速流量/FLOW



压力/驱动力矩 DRIVE TORQUE



流量/输入功率 POWER INPUT



吸油管选型建议

HOW TO CHOOSE THE SUCTION PIPE SIZE

流量 Flow l/min	最小管径 Min pipe diam.		流速 Flow speed (m/s)
	mm	inch	
20	25	1"	0,68
30	32	1" 1/4	0,62
40	32		0,83
50	38	1" 1/2	0,74
60	38		0,88
70	40	1" 9/16	0,93
80	45	1" 3/4	0,84
90	45		0,94
100	50	2"	0,85
110	50		0,93
120	60	2" 3/8	0,71
130	60		0,77
140	60		0,83
150	60		0,88
160	63	2" 1/2	0,86
170	63		0,91
180	63		0,96

确保吸油管内流速不超过1mt/sec

To ensure the proper suction pipe size the flow speed should not exceed 1mt/sec.

密封圈/Seal Kit
108-903-00214

系列号
FAMILY CODE

108-020
108-920

斜轴柱塞泵

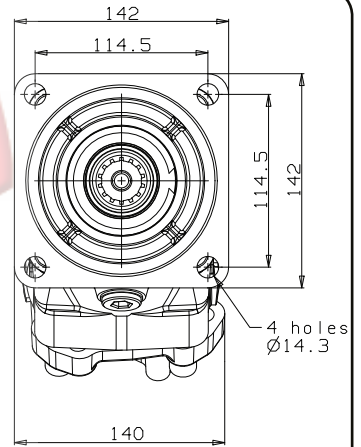
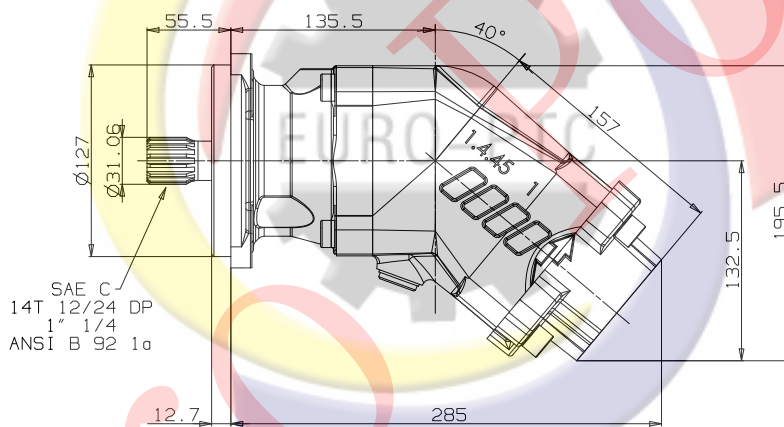
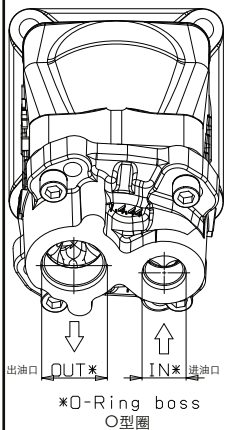
BENT AXIS PISTON PUMPS

"HDS"
"MDS"

SAE-C 47/55/64
SAE-C 80



介质特性 Fluid	密封材料 (可选, 如无特殊说明, 标准密封材料为NBR) : Mineral or synthetic compatible with the following seals: FKM, FPM, HNBR				
建议运动粘度 Kinematic viscosity suggested	环境温度(°C) Average ambient temp. (°C)	< -40	-40÷10	10÷35	> 35
	VG (cSt = mm ² /s)	16	22	32	46
运动粘度范围 Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
建议最大启动运动粘度 Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
建议粘度系数 Viscosity index suggested	VI > 100	工作温度 Working temperature		-15°C ÷ 140°C	
过滤精度 Oil filtering			> 200 bar: 10 µm < 200 bar: 25 µm		
入口压力 Inlet pressure			0,85 ÷ 2 bar 绝对压力/absolut		
转向 Pump rotation			右旋或左旋 Unidirectional (Right or Left)		
请确保柱塞泵的安装位置低于水平高度最低的油箱下方至少100mm, 并在启动工作前, 排空泵体内气体。 Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					



型号 Pump type	转向 Rotation		进油口 IN	出油口 OUT	进油口 IN	出油口 OUT
	右旋 Right	左旋 Left	SAE 20	SAE 12	GAS	GAS
HDS SAE-C 47	108-020-00472	108-020-00481	1 5/8-12	1 1/16-12		
	108-920-00473	108-920-00482			G 1 1/4	G 3/4
HDS SAE-C 55	108-020-00552	108-020-00561	1 5/8-12	1 1/16-12		
	108-920-00553	108-920-00562			G 1 1/4	G 3/4
HDS SAE-C 64	108-020-00641	108-020-00650	1 5/8-12	1 1/16-12		
	108-920-00642	108-920-00651			G 1 1/4	G 3/4
MDS SAE-C 80	108-020-10809	108-020-10818	1 5/8-12	1 1/16-12		
	108-920-10800	108-920-10819			G 1 1/4	G 3/4

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COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

上海欧乐传动与控制技术有限公司
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OMFB
HYDRAULIC COMPONENTS

技术参数/ TECHNICAL FEATURES

型号 Pump type	排量 Displacement cm ³ /rev	压力 Pressure		转速 / Speed			最低转速 Min. speed rpm	重量 Weight kg
		P1 bar	P3 bar	V0 rpm	V1 rpm	V2 rpm		
HDS-47	47.13	350	400	2700	1900	2500	300	14
HDS-55	56.70							
HDS-64	63.56							
MDS-80	77.25	250	300	2300	1800	2100		

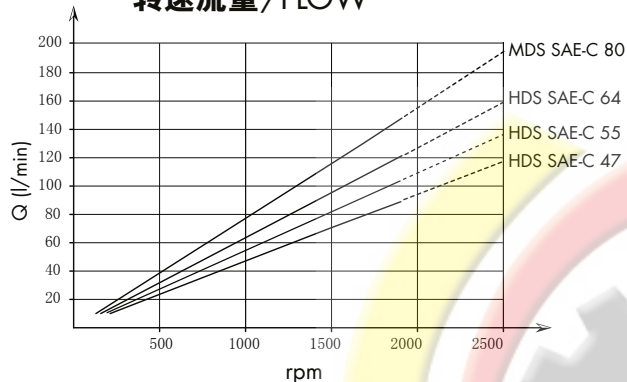
P1=最高持续工作压力
P3=峰值压力

Max. continuous pressure (100%)
Max. peak pressure (6 sec.max)

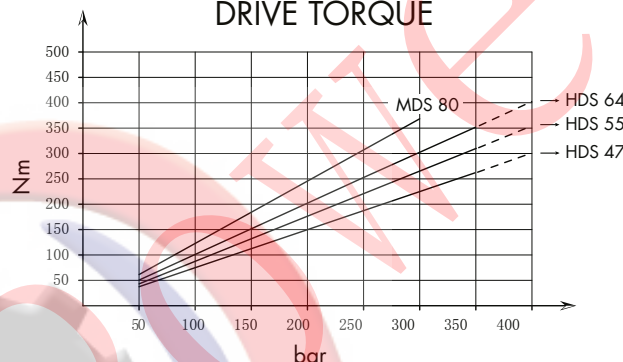
V0=最大连续转速 (无负载)
V1=最大连续转速
V2=间歇转速

Max. continuous speed without load
Max. continuous speed
Max. intermittent speed

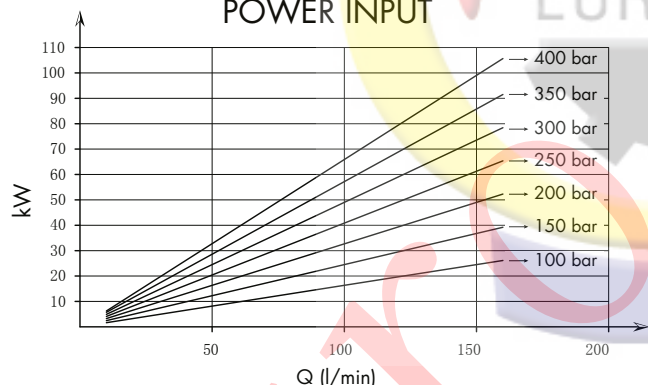
转速流量/FLOW



压力/驱动力矩 DRIVE TORQUE



流量/输入功率 POWER INPUT



吸油管选型建议

HOW TO CHOOSE THE SUCTION PIPE SIZE

流量 Flow l/min	最小管径 Min pipe diam. mm	英寸	流速 Flow speed (m/s)
20	25	1"	0,68
30	32	1" 1/4	0,62
40	32	1" 1/4	0,83
50	38	1" 1/2	0,74
60	38	1" 1/2	0,88
70	40	1" 9/16	0,93
80	45	1" 3/4	0,84
90	45	1" 3/4	0,94
100	50	2"	0,85
110	50	2"	0,93
120	60	2" 3/8	0,71
130	60	2" 3/8	0,77
140	60	2" 3/8	0,83
150	60	2" 3/8	0,88
160	63	2" 1/2	0,86
170	63	2" 1/2	0,91
180	63	2" 1/2	0,96

确保吸油管内流速不超过1mt/sec

To ensure the proper suction pipe size the flow speed should not exceed 1mt/sec.

密封圈/Seal Kit

108-903-00223

系列号
FAMILY CODE

108-020
108-920

斜轴柱塞泵

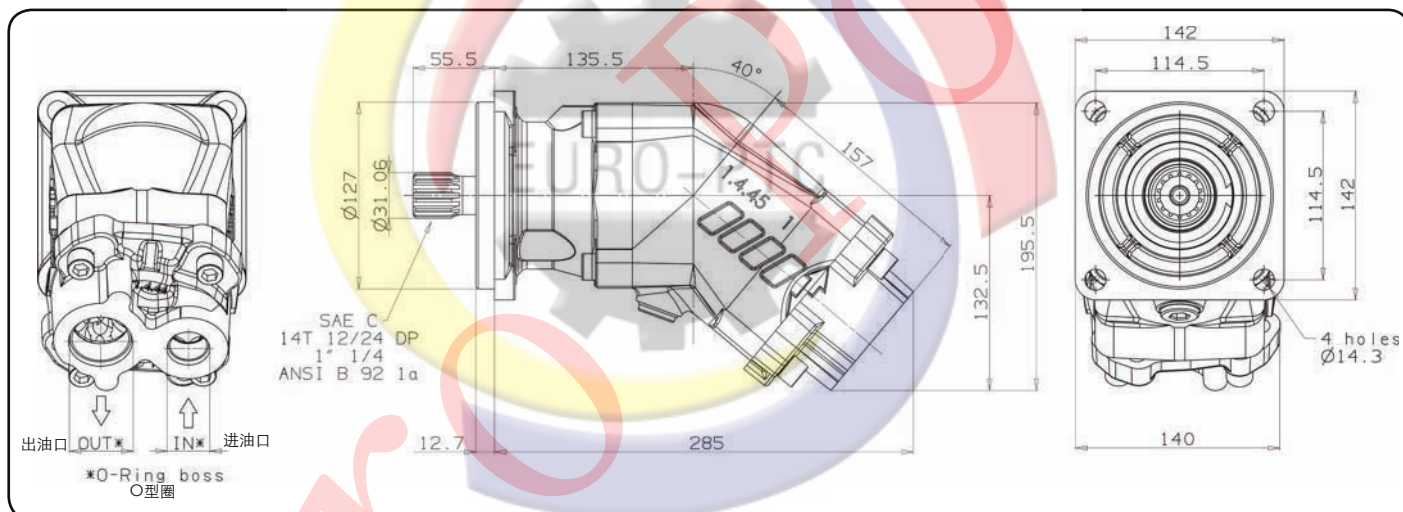
BENT AXIS PISTON PUMPS

"HDS"
"MDS"

SAE-C 84-108
SAE-C 130



介质特性 Fluid	密封材料 (可选, 如无特殊说明, 标准密封材料为NBR) : Mineral or synthetic compatible with the following seals: FKM, FPM, HNBR				
建议运动粘度 Kinematic viscosity suggested	环境温度(°C) Average ambient temp. (°C)	< -40	-40÷10	10÷35	> 35
	VG (cSt = mm ² /s)	16	22	32	46
运动粘度范围 Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
建议最大启动运动粘度 Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
建议粘度系数 Viscosity index suggested	VI > 100	工作温度 Working temperature		-15°C ÷ 140°C	
过滤精度 Oil filtering			> 200 bar: 10 µm < 200 bar: 25 µm		
入口压力 Inlet pressure			0,85 ÷ 2 bar 绝对压力/absolut		
转向 Pump rotation			右旋或左旋 Unidirectional (Right or Left)		
请确保柱塞泵的安装位置低于水平高度最低的油箱下方至少100mm, 并在启动工作前, 排空泵体内气体。 Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					



型号 Pump type	转向 Rotation		进油口 IN	出油口 OUT	进油口 IN	出油口 OUT
	右旋 Right	左旋 Left				
HDS SAE-C 84	108-020-00847	108-020-00856	1 7/8-12	1 5/16-12		
	108-920-00848	108-920-00857			G 1 1/4	G 1
HDS SAE-C 108	108-020-01088	108-020-01097	1 7/8-12	1 5/16-12		
	108-920-01089	108-920-01098			G 1 1/2	G 1
MDS SAE-C 130	108-020-11308	108-020-11317	1 7/8-12	1 5/16-12		
	108-920-11309	108-920-11318			G 1 1/2	G 1

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COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

上海欧乐传动与控制技术有限公司
Shanghai euro power transmission & Control Ltd
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Add: Via 21, Lane 15, Gudun Road, Shenjiang Technology Park, Pudong, Shanghai, China, 201314.
电话(Tel): 021-51028451 传真(Fax): 021-51028872
HTTP://www.europtc.com E-mail: info@europtc.com

OMFB
HYDRAULIC COMPONENTS

技术参数/
TECHNICAL FEATURES

型号 Pump type	排量 Displacement cm ³ /rev	压力 Pressure		转速 / Speed			最低转速 Min. speed rpm	重量 Weight kg
		P1 bar	P3 bar	V0 rpm	V1 rpm	V2 rpm		
HDS-84	84.33	350	400	2300	1500	2000	300	17.8
HDS-108	107							
MDS-130	131.62	250	270					

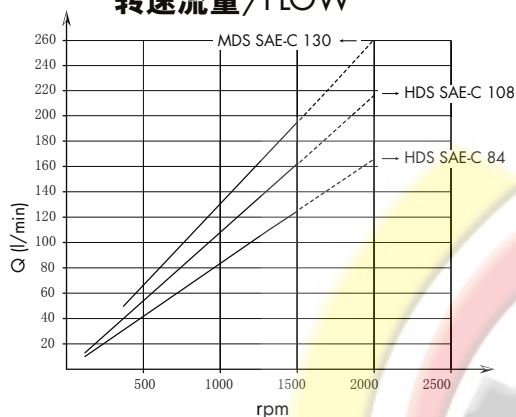
P1 = 最高持续工作压力
P3 = 峰值压力

Max. continuous pressure (100%)
Max. peak pressure (6 sec.max)

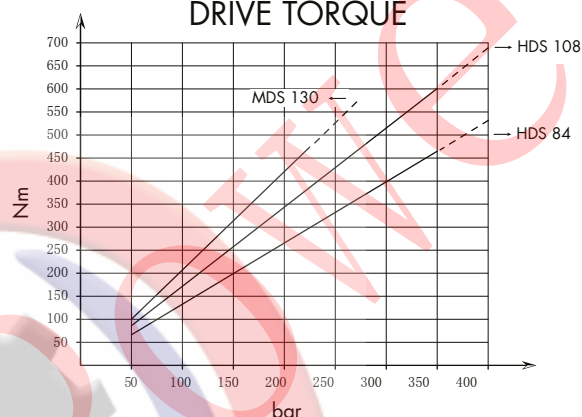
V0 = 最大连续转速 (无负载)
V1 = 最大连续转速
V2 = 间歇转速

Max. continuous speed without load
Max. continuous speed
Max. intermittent speed

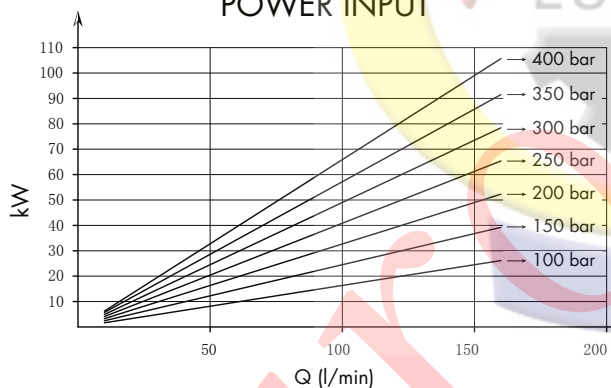
转速流量/FLOW



压力/驱动力矩
DRIVE TORQUE



流量/输入功率
POWER INPUT



吸油管选型建议

HOW TO CHOOSE THE SUCTION PIPE SIZE

流量 Flow l/min	最小管径 Min pipe diam.		流速 Flow speed (m/s)
	mm	inch	
20	25	1"	0,68
30	32	1" 1/4	0,62
40	32		0,83
50	38	1" 1/2	0,74
60	38		0,88
70	40	1" 9/16	0,93
80	45	1" 3/4	0,84
90	45		0,94
100	50	2"	0,85
110	50		0,93
120	60	2" 3/8	0,71
130	60		0,77
140	60		0,83
150	60		0,88
160	63	2" 1/2	0,86
170	63		0,91
180	63		0,96

确保吸油管内流速不超过1mt/sec

To ensure the proper suction pipe size the flow speed should not exceed 1 m/sec.

密封圈/ Seal Kit
108-903-00232

左旋



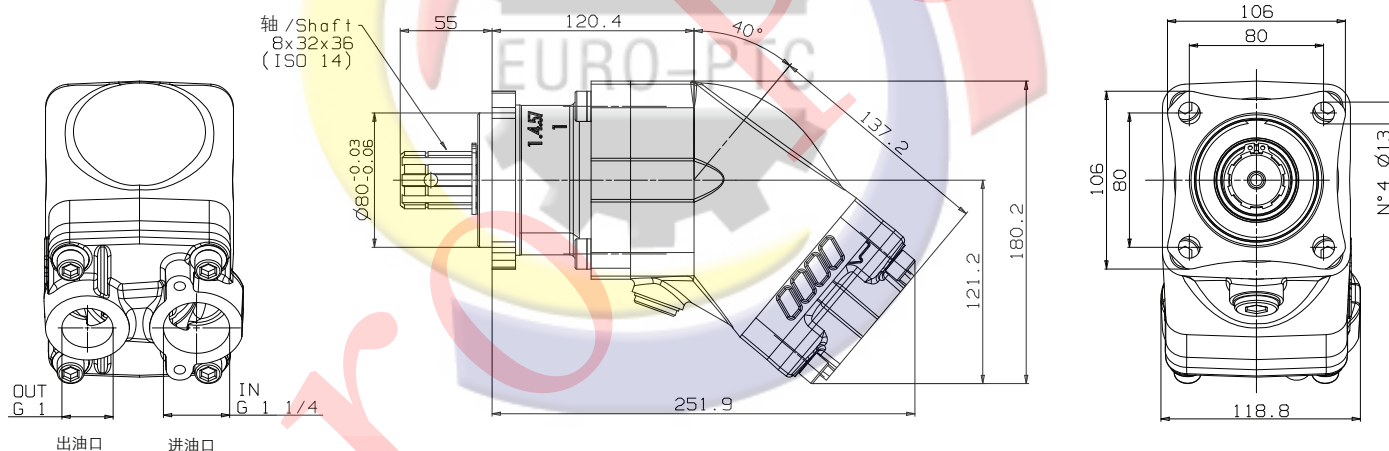
右旋

斜轴柱塞泵
BENT AXIS PISTON PUMPS

HDT 84-96-108



介质特性 Fluid	密封材料 (可选, 如无特殊说明, 标准密封材料为NBR) : Mineral or synthetic compatible with the following seals: HNBR				
温度 Allowed temperature	-40 +140 °C				
建议运动粘度 Kinematic viscosity suggested	环境温度(°C) Average ambient temp. (°C)	< -40	-40÷10	10÷35	> 35
	VG (cSt = mm ² /s)	16	22	32	46
运动粘度范围 Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
建议最大启动运动粘度 Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
建议粘度系数 Viscosity index suggested			VI > 100		
过滤精度 Oil filtering			> 200 bar: 10 µm < 200 bar: 25 µm		
入口压力 Inlet pressure			0,85 ÷ 2 bar 绝对压力/absolut		
转向 Pump rotation			右旋或左旋 Unidirectional (Right or Left)		
请确保柱塞泵的安装位置低于水平高度最低的油箱下方至少100mm, 并在启动工作前, 排空泵体内气体。 Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					



Dimensions in mm

型号 Pump type	转向 Rotation		进油口 IN	出油口 OUT	进油口 IN	出油口 OUT
	右旋 Right	左旋 Left	ISO 228 G 1 1/4	ISO 228 G 1	SAE 24	SAE 16
HDT-84	108-013-08400	108-013-08419			1 5/8-12 UN-28	1 5/16-12UN-28
HDT-96	108-013-09605	108-013-09614			1 5/8-12 UN-28	1 5/16-12UN-28
HDT-108	108-013-10808	108-013-10817			1 5/8-12 UN-28	1 5/16-12UN-28

技术参数 / TECHNICAL FEATURES

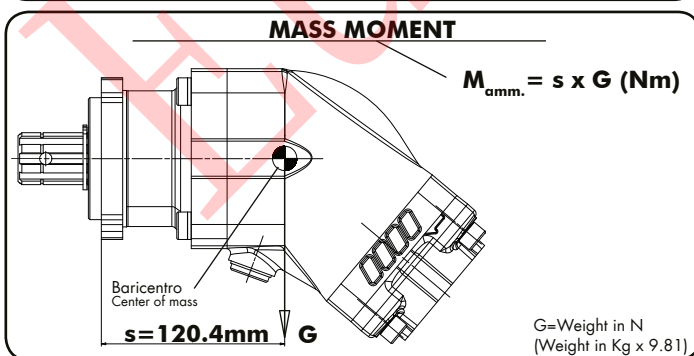
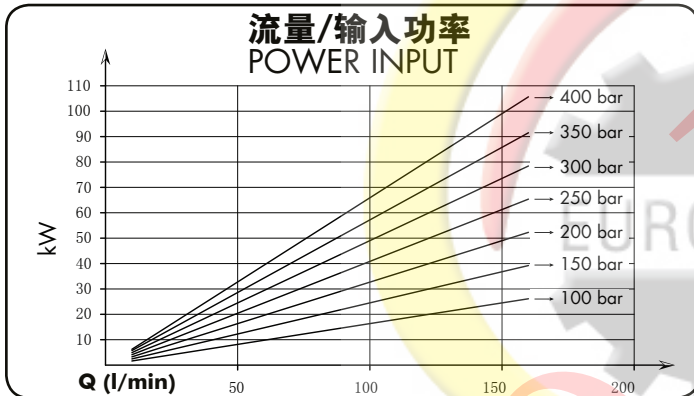
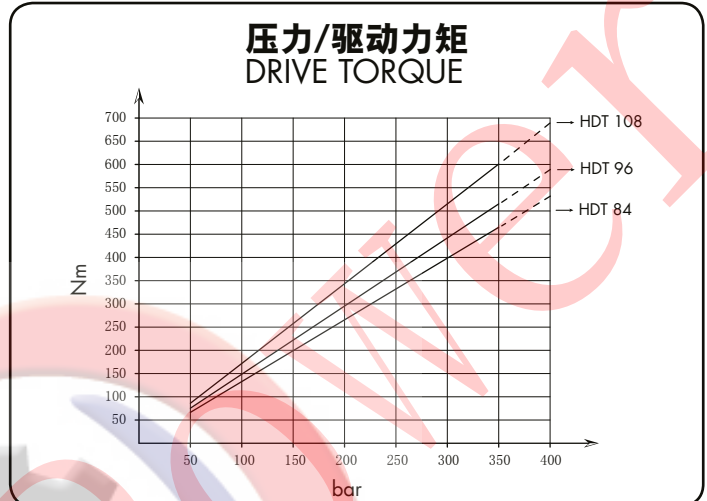
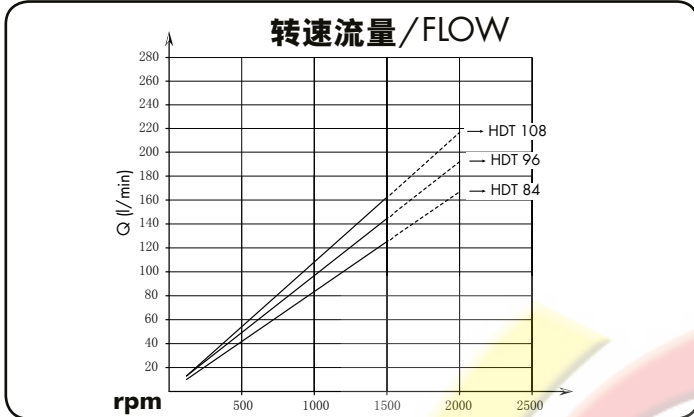
型号 Pump type	排量 Displacement cm ³ /rev	压力 Pressure		转速 / Speed			最低转速 Min. speed rpm	重量 Weight kg
		P1 bar	P3 bar	V0 rpm	V1 rpm	V2 rpm		
HDT-84	84.2	350	370	2300	1500	2000	300	15
HDT-96	95.5							
HDT-108	107							

P1=最高持续工作压力
P3=峰值压力

Max. continuous pressure (100%)
Max. peak pressure (6 sec.max)

V0=最大连续转速 (无负载)
V1=最大连续转速
V2=间歇转速

Max. continuous speed without load
Max. continuous speed
Max. intermittent speed



Seal Kit
108-903-85008

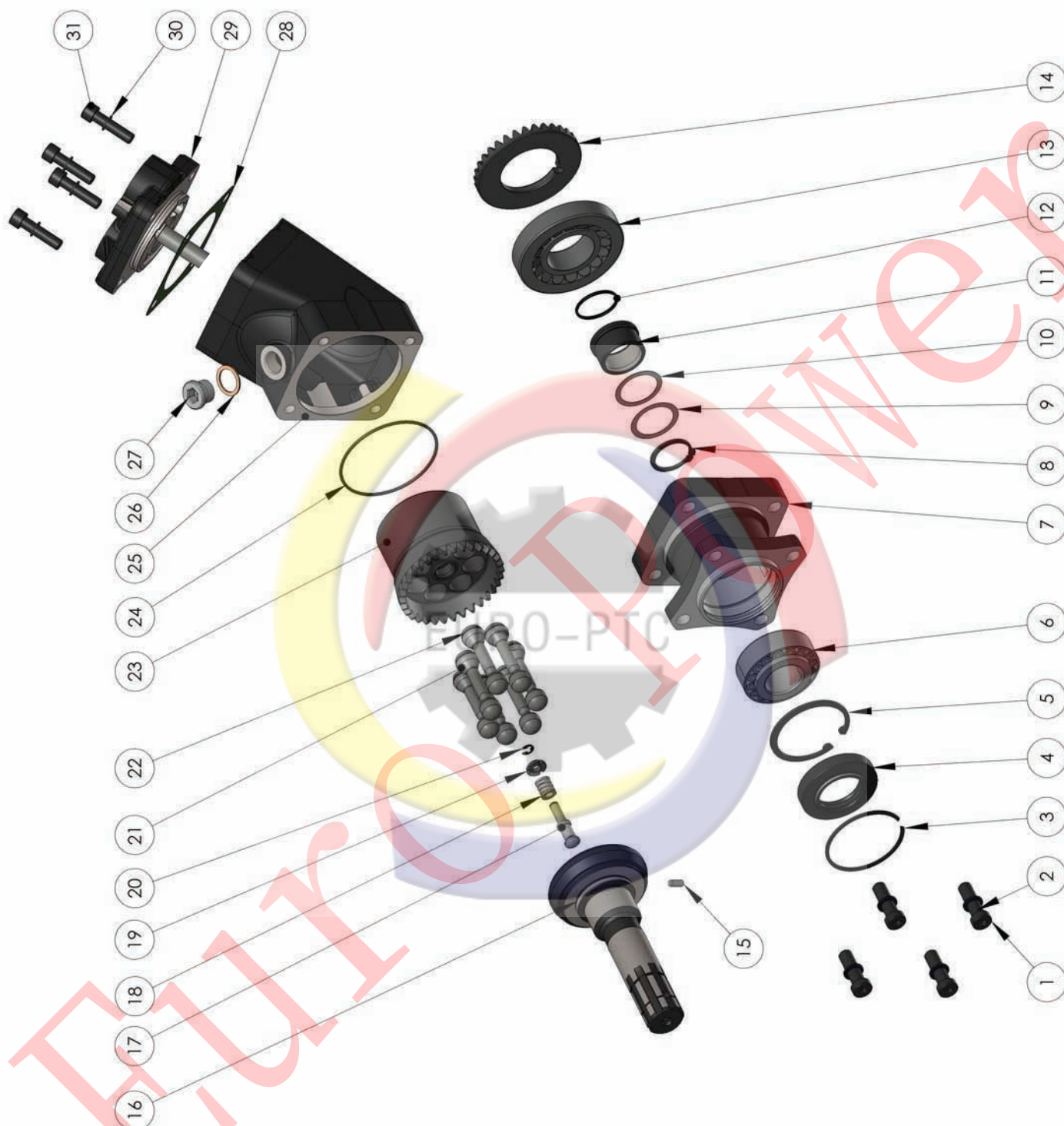
**吸油管选型建议
HOW TO CHOOSE THE SUCTION PIPE SIZE**

流量 Flow l/min	Ø最小管径 Min pipe diam.		流速 Flow speed (m/s)
	mm	inch	
20	25	1"	0,68
30	32	1" 1/4	0,62
40	32		0,83
50	38	1" 1/2	0,74
60	38		0,88
70	40	1" 9/16	0,93
80	45	1" 3/4	0,84
90	45		0,94
100	50	2"	0,85
110	50		0,93
120	60	2" 3/8	0,71
130	60		0,77
140	60		0,83
150	60		0,88
160	63	2" 1/2	0,86
170	63		0,91
180	63		0,96

确保吸油管内流速不超过1mt/sec

To ensure the proper suction pipe size the flow speed should not exceed 1mt/sec.

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双排量斜轴柱塞泵

DOUBLE DELIVERY BENT
AXIS PISTON PUMPS

系列号
FAMILY CODE

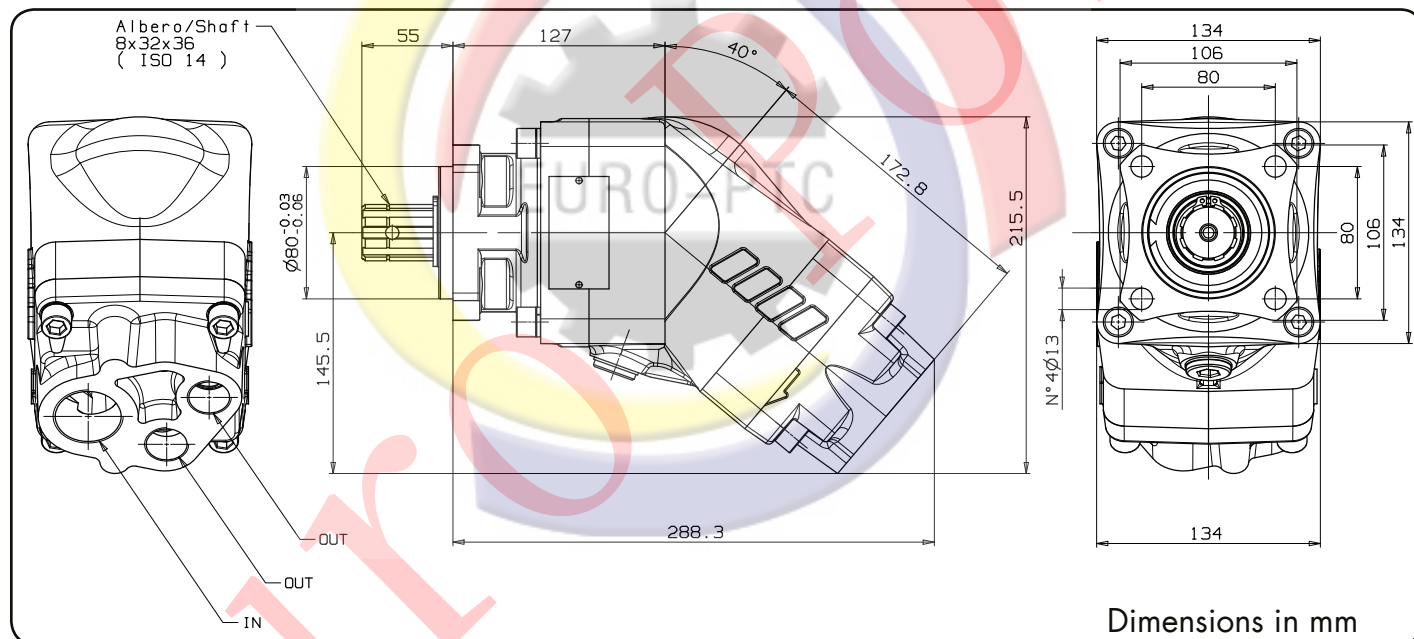
108-030

"TWIN FLOW"

53+53
70+70
70+35



介质特性 Fluid	密封材料（可选，如无特殊说明，标准密封材料为NBR）： Mineral or synthetic compatible with the following seals: FKM, FPM, HNBR				
建议运动粘度 Kinematic viscosity suggested	环境温度(°C) Average ambient temp. (°C)	< -40	-40÷10	10÷35	> 35
	VG (cSt = mm ² /s)	16	22	32	46
运动粘度范围 Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
建议最大启动运动粘度 Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
建议粘度系数 Viscosity index suggested	VI > 100	工作温度 Working temperature		-40°C ÷ 140°C	
过滤精度 Oil filtering		> 200 bar: 10 μm < 200 bar: 25 μm			
入口压力 Inlet pressure		0,85 ÷ 2 bar 绝对压力/absolut			
转向 Pump rotation		右旋或左旋 Unidirectional (Right or Left)			
请确保柱塞泵的安装位置低于水平高度最低的油箱下方至少100mm，并在启动工作前，排空泵体内气体。 Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					



型号 Pump type	转向 Rotation	订货号 Code	Corpo posteriore* Rear cover*	进油口 IN ISO 228	出油口 OUT ISO 228	重量 Weight kg
TWIN FLOW 53+53	右旋 / Right	108-030-00505	500-029-95307	G 1 1/4"	G 3/4"	21,7
	左旋 / Left	108-030-00514	500-029-95405			
TWIN FLOW 70+70	右旋 / Right	108-030-00685	500-029-96806	G 1 1/2"		22
	左旋 / Left	108-030-00694	500-029-96904			
TWIN FLOW 70+35	右旋 / Right	108-030-00701	500-029-97001	G 1 1/4"		21,7
	左旋 / Left	108-030-00710	500-029-97109			

*

* To change the pump rotation, the rear body must be replaced.

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OMFB
HYDRAULIC COMPONENTS

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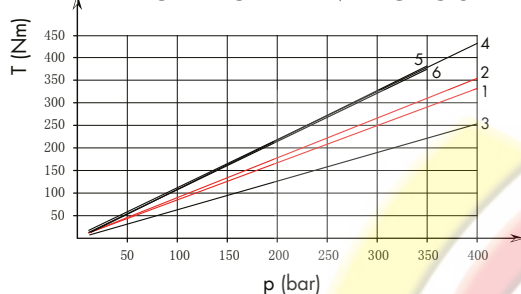
COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

技术参数 TECHNICAL FEATURES	53+53	70+70	70+35
排量 A / Displacement (cc/rev)	53 curve 1	67.7 curve 5	36.5 curve 3
排量 B / Displacement (cc/rev)	55 curve 2	66.2 curve 6	68.3 curve 4
最高持续工作压力 / Max. continuous pressure (bar)	350	300	350
峰值压力 / Max. peak pressure (bar)	400	350	400
最大转速 (无负载) / Max. speed without load (rpm)	2550	2550	2550
最大转速 (A和B负载情况下) / Max. speed with load on A and B outputs (*)	1800	1400	1800
最大转速 (仅1输出负载情况下) / Max. speed with load on 1 output only (*)	2100	1400	2100
最大连续功率 / Max. continuous power (kW)	111	108	108
间歇功率 / Max. intermittent power (kW)	127	123	123

最高持续工作压力 Max. continuous pressure (100%)
峰值压力 Max. peak pressure (6 sec.max)

(*) Speed with pipe internal diameter 63mm (2"1/2) minimum.

压力/驱动力矩 THEORETICAL DRIVE TORQUE



The total torque absorbed by the pump is given by the sum of the torques necessary to give pressure to the pressure ports.

理论输入功率 THEORETICAL POWER INPUT

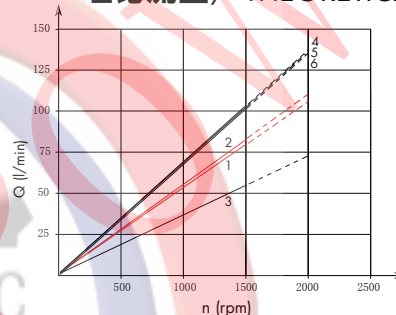
THEORETICAL POWER INPUT

The total power absorbed by the pump is given by the sum of the power required by the two pressure ports.

$$P_{TOT} = P_A + P_B = \frac{(p_A \times Q_A + p_B \times Q_B)}{612}$$

P [kW]
 Q [l/min]
 p [bar]

理论流量 / THEORETICAL FLOW



The total pump flow is given by the sum of the flow of each pressure port.

吸油管选型建议

HOW TO CHOOSE THE SUCTION PIPE SIZE

流量 Flow l/min	Ø 最小管径 Min pipe diam.		流速 Flow speed (m/s)
	mm	inch	
30	32	1" 1/4	0,62
40	32	1" 1/4	0,83
50	38	1" 1/2	0,74
60	38	1" 1/2	0,88
70	40	1" 9/16	0,93
80	45	1" 3/4	0,84
90	45	1" 3/4	0,94
100	50	2"	0,85
110	50	2"	0,93
120	60	2" 3/8	0,71
130	60	2" 3/8	0,77
140	60	2" 3/8	0,83
160	63	2" 1/2	0,86
170	63	2" 1/2	0,91
180	63	2" 1/2	0,96

确保吸油管内流速不超过1mt/sec
To ensure the proper suction pipe size the flow speed should not exceed 1mt/sec.

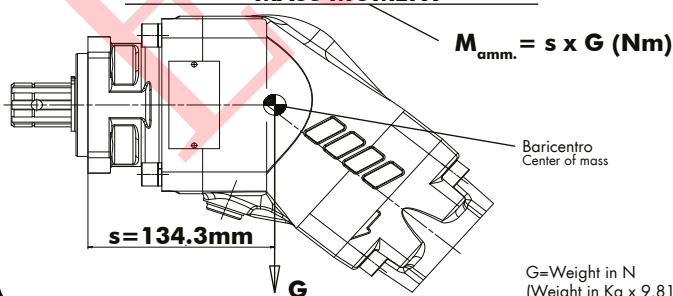
密封圈/Seal Kit
108-903-53533

左旋



右旋

MASS MOMENT

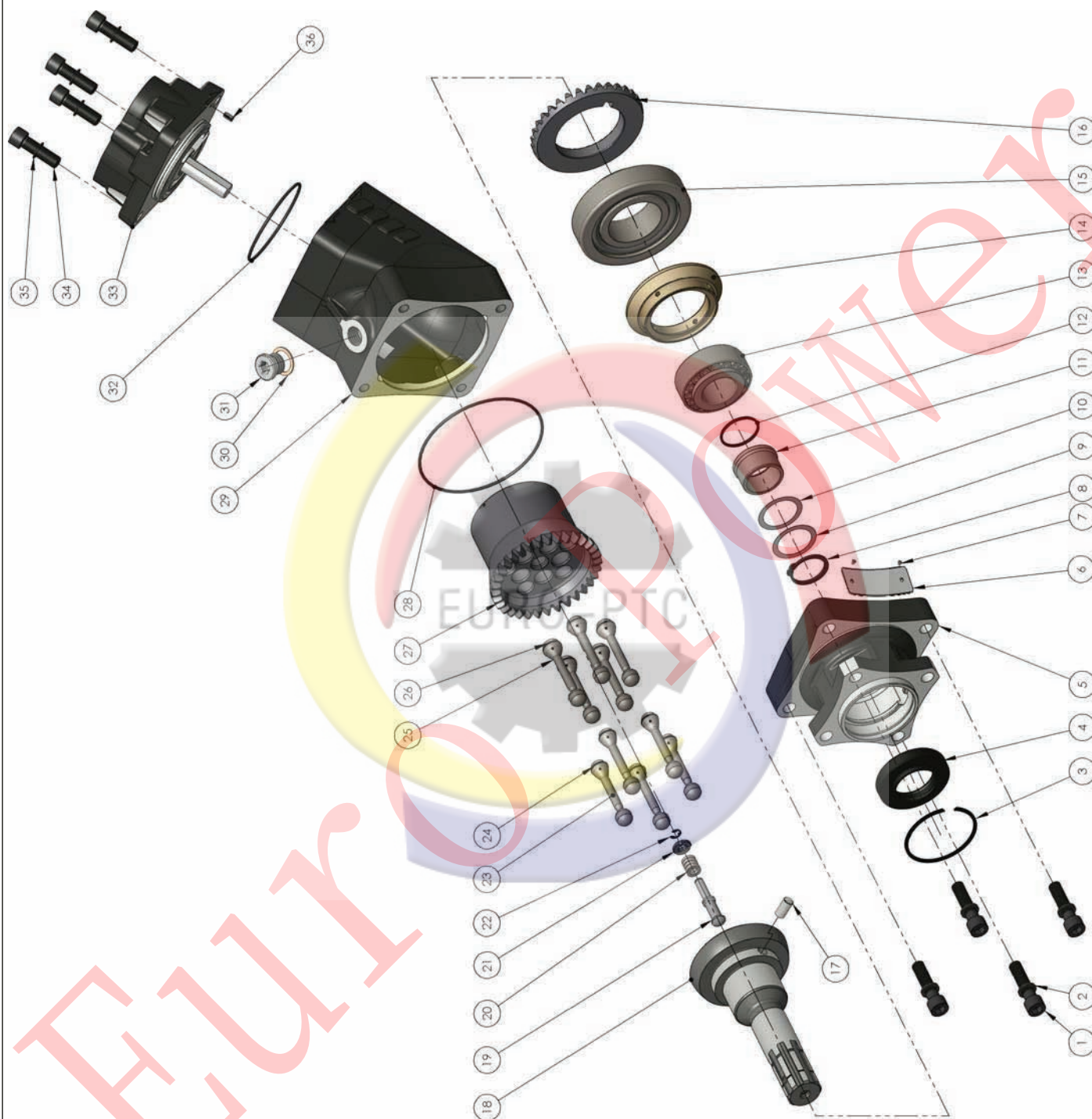


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COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

上海欧乐传动与控制技术有限公司
Shanghai euro power transmission & Control Ltd
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OMFB
HYDRAULIC COMPONENTS



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OMFB系列齿轮泵，采用铝质或铸铁材料，可单向或双向旋转。同时为满足不同的应用场合，OMFB提供型号丰富的，不同压力，排量，转速和连接形式的产品。OMFB始终坚持采用优质的原材料，苛刻的加工精度要求，严格的生产过程质量控制，以保证每一套OMFB的产品都具备优良的性能。

我们随时期待并欢迎您的来电来函，联系索取更加详细的产品选型资料，并咨询更多关于OMFB产品的相关信息。

LTA 系列 SERIES LTA



LTA 13 DIN



LTA D.22 CYLINDRICAL SHAFT

三孔法兰，铝质泵体，单向转动，排量从10cc/r到40cc/r,适用于低压场合。
3 bolt aluminium unidirectional gear pumps from 10 to 40 cc, for light duty applications.

NPLL 系列 SERIES NPLL



NPLL REAR ATTACHMENTS



NPLL SIDE ATTACHMENTS

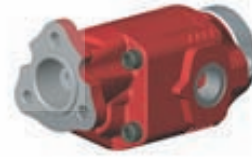
NPLH 系列 SERIES NPLH



NPLH 13 DIN SIDE FITTINGS



NPLH 13 DIN SIDE + REAR FITTINGS



NPLH 13 DIN FIRST TANDEM PUMP

铸铁材料泵体，可双向转动，排量从10cc/r到40cc/r,适用于中低压场合，并可串联使用。
Reversible cast-iron gear pumps from 10 to 40 cc, for light-medium duty applications 13 DIN, ISO and TANDEM configurations available.

NPLH ISO



LTH 系列 SERIES LTH



LTH UNI



LTH ISO

铸铁材料泵体，可双向转动，排量从61cc/r到100cc/r，适用于中等大小压力场合。

Bi-directional cast-iron gear pumps from 61 up to 100cc suitable for medium-heavy duty applications.

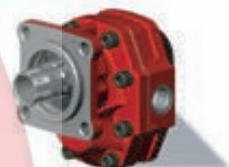
NPH 系列 SERIES NPH



NPH UNI



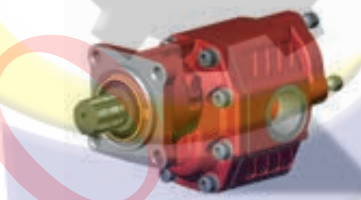
NPH ISO



NPH ISO SHORT



NPH UNI FIRST TANDEM PUMP



NPH ISO FIRST TANDEM PUMP



NPH SAE-B



NPH D.22 CYLINDRICAL SHAFT



NPH ASAE 1-3/8
FIRST TANDEM PUMP



NPH ASAE-F

铸铁材料泵体，单向转动，排量从17cc/r到125cc/r，适用于中等大小压力场合。提供UNI, ISO, ASAE, ALB, CIL, D. 22, SAE-B等多种连接形式，并可串联使用。

Unidirectional cast-iron gear pumps, from 17 to 125 cc, for medium-heavy duty applications. UNI, ISO, ASAE, ALB, CIL, D. 22, SAE-B and TANDEM configurations available.

LTMH 系列
SERIES LTMH



LTMH UNI



LTMH ISO



LTMH ISO-SHORT

NPH 系列
SERIES NPH



NPGH UNI



NPGH ISO



NPGH ISO SHORT



NPGH UNI FIRST TANDEM PUMP



NPGH ISO FIRST TANDEM PUMP



NPGH ISO SHORT FIRST TANDEM PUMP



NPGH ASAE 1-3/8 FIRST TANDEM PUMP

铸铁材料泵体，单向转动，排量从63cc/r到150cc/r，适用于高压场合，并提供UNI 三孔法兰，ISO 四孔法兰等多种连接形式。
Unidirectional* cast-iron gear pumps, from 63 to 150 cc, for heavy duty applications UNI 3 bolt, ISO 4 bolt, ISO, ASAE and TANDEM configurations available .

工业领域专用系列
INDUSTRIAL SERIES



1 PL

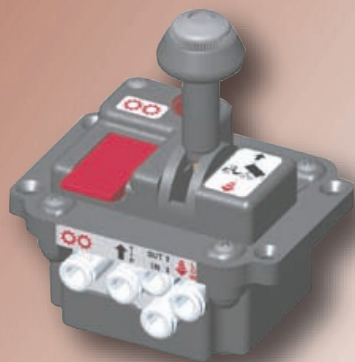


2 PL



3 PL

广泛应用于液压系统，较长的使用寿命，具有良好的性价比。
Gear pumps are widely used in modern hydraulic systems due to their high performance, long service life, cost-effectiveness and maintenance costs.



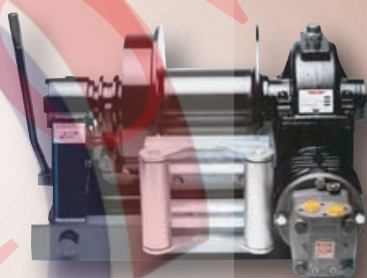
控制单元



液压手动泵



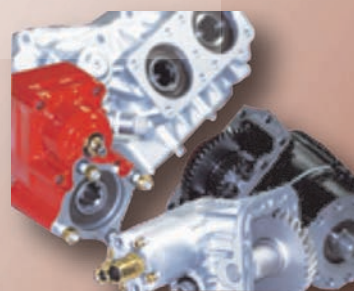
动力单元



电动/液压绞车



接头



分动箱

除了**OMFB** 柱塞泵,

我们在工业领域具有以下专业经验:

欢迎垂询并索取样本

液压手动泵



柱塞泵



软管/电缆卷筒



回转减速机



手动卷筒



旋转马达



卷扬机



上海欧乐传动与控制技术有限公司

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