

Erich Stallkamp ESTA GmbH
德国Stallkamp（斯多康）机械集团公司

斯多康（北京）科技有限公司

泵系列



高效 | 可靠 | 维护费用低
Efficient | Reliable | Low-maintenance



www.stallkamp.de

MADE IN GERMANY

德国制造

型号	应用领域说明	Application
全浸式潜水泵 Submersible motor pump, fully immersed		
TMP	 标准型潜水泵，适用于泵送干物质含量较低的畜禽粪尿储存池、污水储存池、发酵罐中的液体。也可用作带底盘的移动泵。	Submersible motor pump for reliable application in reservoir tanks and pits for rather low degree of dry matter. Also available as mobile pump with chassis.
TMHP	 高压潜水泵，适用于泵送干物质含量较高的畜禽粪尿储存池、污水储存池、发酵罐中的液体。	Submersible motor high pressure pump for reliable application in reservoir tanks and pits for rather high degree of dry matter.
非全浸式长杆泵 Long-shaft pumps for pits, motor not immersed		
LKP	 标准型长杆泵，适用于泵送干物质含量较低的畜禽粪尿储存池、污水储存池中的液体。	Long-shaft centrifugal pump for reliable application in pits with rather low degree of dry matter.
LHP	 高压长杆泵，适用于泵送干物质含量较高、输送距离较远、输送扬程较高的畜禽粪尿储存池、污水储存池中的液体。	Long-shaft high pressure pump especially for rather high degree of dry matter, longer conveying distances and conveying heights.
容积泵，适用于泵送畜禽粪尿，无需浸入即可泵送（自吸） Displacement pump to pump over slurry, suction without immersion (self-priming)		
DKP	 转子泵，适用于泵送长距离的畜禽粪尿。	Rotary lobe pump - Classic slurry pump to pump slurry over long distances e.g. from pit A to pit B.
HEX	 偏心螺杆泵，适用于泵送长距离、低磨损的畜禽粪尿。使用寿命长。	Eccentric screw pump – Modern, low-wear slurry pump to pump slurry over long distances with high down times.
切割系统保护泵不受异物的影响 Cutting system protects the pump from impurities		
SF	 从粪尿中滤出异物（木块、石头），提高泵的使用寿命。	Efficient and compact filter and interceptor of impurities increasing the lifespan of the pump.
高压液体输送离心泵 High pressure centrifugal pump for liquid feed		
HKP	 为畜禽泵送液体饲料。	Animal feeding pump with high flow pressure for animal housing.

TMP3潜水泵

Submersible motor pump



严格的标准生产出高效率的泵

电机功率**4.0 – 22.0 kW**

- 三相电机400 V, 50 Hz, 1,450 rpm
- 防护等级IP68, 隔热等级F=155° C
- 过热保护: 每相单独热动控制
- 电机外壳材质: 1.4301不锈钢 (德标, 相当于中国304不锈钢)
- 泵外壳材质: 铸铁, 表面由双组分塑料漆喷涂
- 加大型泵内腔, 有效防止堵塞
- 泵叶轮和切割装置由硬质合金加固
- 底座采用带切割功能和缠绕保护的热镀锌钢板
- 轴密封采用带有径向轴密封圈的耐酸硬化密封圈
- 电缆防水防潮保护, 采用特殊的PU外保护套
- 1.4301不锈钢滑动轴承和进料口法兰

High efficiency through standards of perfection

Electric motors 4.0 – 22.0 kW

- Three phase motors 400 V, 50 Hz, 1,450 rpm
- IP68 protection category, insulating category F = 155° C
- Thermo-control for each phase as overheating protection
- Motor housing in 1.4301 stainless steel
- Pump housing made from cast iron material coated with 2-component plastic lacquer
- Large pump housing and therefore resistant to blockages
- Pump impeller with intake auger and chopping mechanism with tungsten carbide wear protection
- Galvanized steel suction plate with cutting edges and winding protection
- Sealed with radial shaft seal rings on special acid-resistant hardened rings
- Electric cable with water-blocking devices in the longitudinal direction of the cable for moisture protection; special PU outer sheathing with moulded connection
- 1.4301 stainless steel slide bearing and absorb flange

Stallkamp的高性价比潜水泵是多年经验和持续改进的结果。它们运行可靠、安全、强大、高效和环保。可在各种环境条件下使用。

特征:

- 在恶劣环境条件下也有非常好的工作表现（在粪污和沼气项目中的应用）
- 螺旋形剪切刃和加大容积的泵壳，有效防止堵塞
- 热动控制作为标准配置，防止过热损坏
- 可耐受介质温度高达50°C
- 表面平滑的设计防止纤维缠绕
- 节省空间的设计
- 配件通用性强

Stallkamp submersible motor pumps are the result of experience and consistent development.

They run reliably and safely, are powerful, effective and eco-friendly at the same time.

Your benefits:

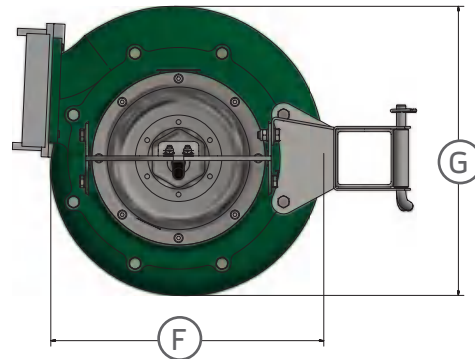
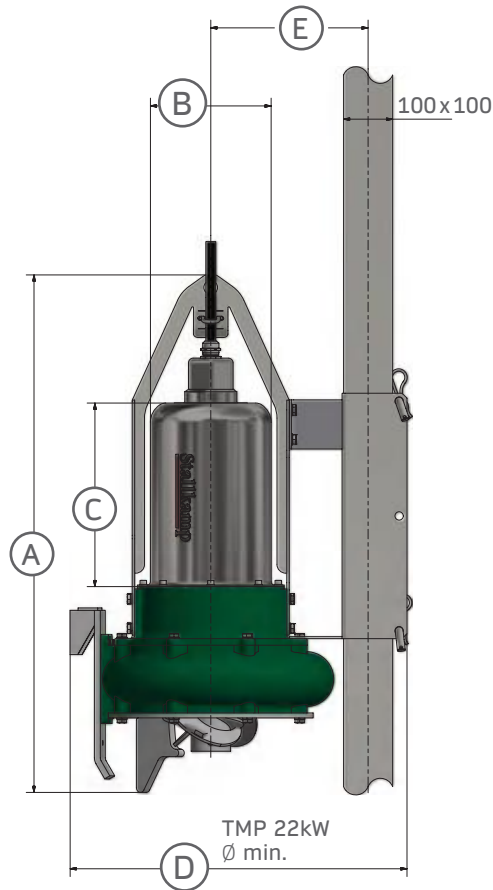
- Top performance under tough conditions (application in manure and biogas plants)
- Spiral shaped shearing edge and large volume housing to prevent blockages
- Thermo-control is installed as standard to prevent damage from overheating
- Pumping medium temperature up to 50° C
- The smooth design prevents the accumulation of fibrous materials
- Space-saving design
- A wide range of accessories

带有起重装置和管口连接件的TMP泵
TMP with lifting gear and coupling foot piece
for elevated tanks or closed pits



进料口处理碳化钙材质的切割装置
Tearing device at the suction
opening plated with tungsten
carbide



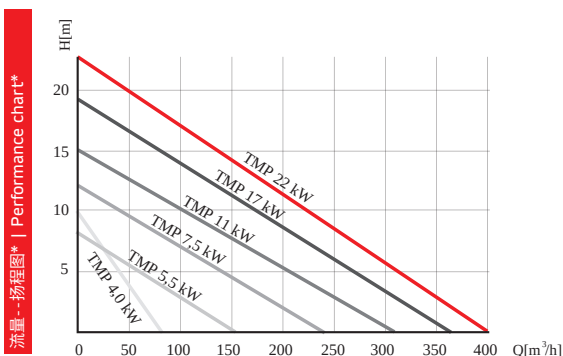


TMP 3

型号 Type	A	B	C	D	E	F	G	容许最大颗粒 Ball passage Ø mm
TMP3 040	900	206	200	700	275	392	410	22
TMP3 055	900	206	215	700	275	392	410	35
TMP3 075	900	206	250	700	275	392	410	35
TMP3 110	1.080	246	260	800	320	475	500	48
TMP3 170	1.080	246	310	800	320	475	500	48
TMP3 220	1.080	246	375	800	320	475	500	48

尺寸偏差 5 mm | All dimensions may vary by 5 mm.

型号 Type	电机功率 Motor power kW	启动方式 Start-up	额定电流 Nominal current A	保险熔断器 Required protection (fuses) A Träge Time delay	转速 Rotational speed U/min rpm	最大压力 Maximum pressure bar	流量 Flow rate m³/h	重量 Weight kg
TMP3 040	4,0	direkt direct	9,0	16	1.450	1,0	80	ca. 130
TMP3 055	5,5	Y/Δ	11,4	20	1.450	0,8	130	ca. 150
TMP3 075	7,5	Y/Δ	16,0	25	1.450	1,2	180	ca. 160
TMP3 110	11,0	Y/Δ	22,1	32	1.450	1,5	310	ca. 180
TMP3 170	17,0	Y/Δ	33,0	50	1.450	1,9	350	ca. 190
TMP3 220	22,0	Y/Δ	43,0	63	1.450	2,3	410	ca. 200



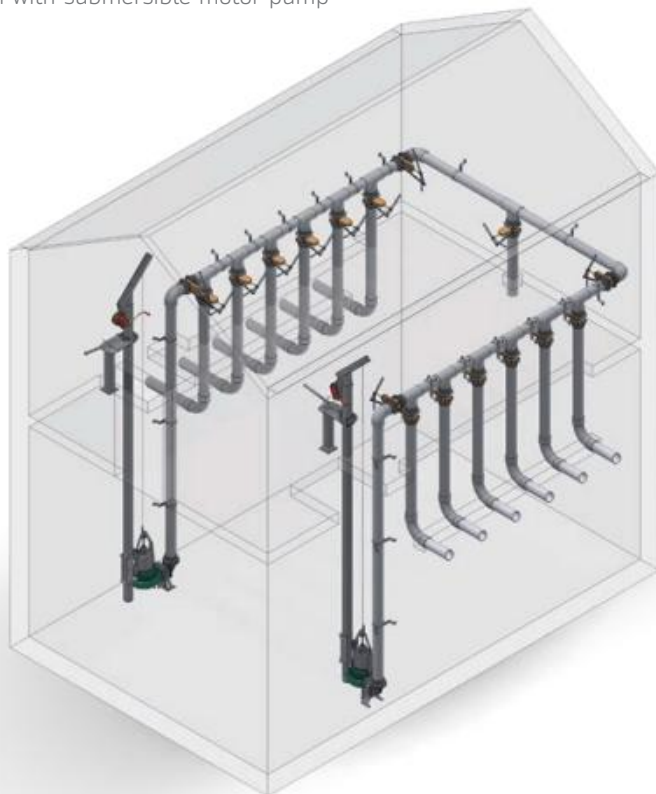
*清水测试 | Test bed with water

流量（体积流量/ m^3 ）取决于液体的密度和粘度，粪尿（或液体饲料）的类型和干物质含量，泵送高度和距离以及管道的直径。

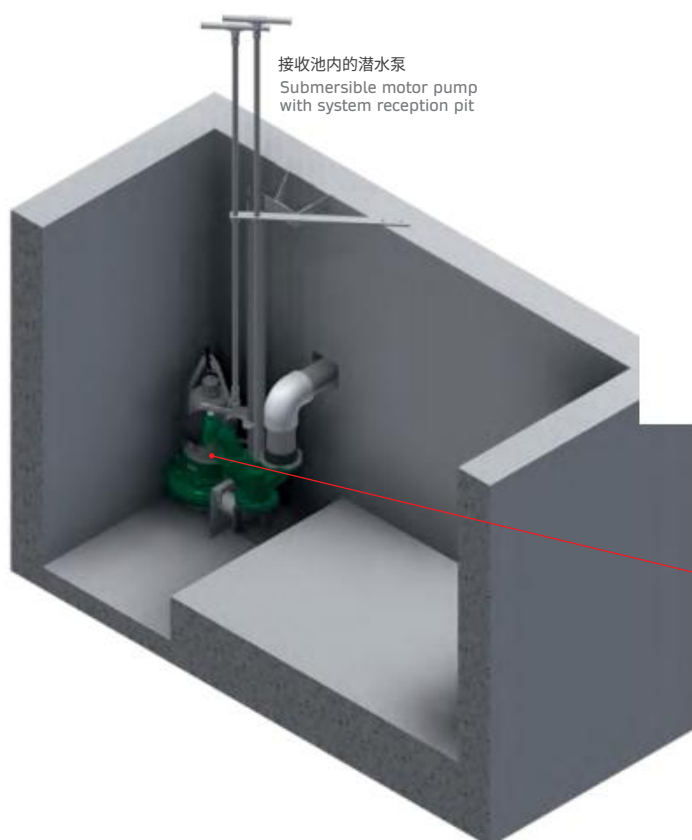
The flow rate (volume flow rate in m^3) is dependent on the density and viscosity of the liquid, the type and the DM content of the manure (animal feed), the support height and distance and the diameter of the pipeline.

带分配器的潜水泵房

Distribution station with submersible motor pump



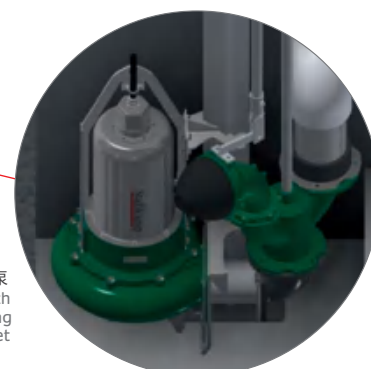
带导轨的潜水泵
Submersible motor pump with aliding guide for guide rail



接收池内的潜水泵
Submersible motor pump with system reception pit



带底座的潜水泵
Submersible motor pump with base set



带分配器、搅拌喷嘴和支架的潜水泵
Submersible motor pump with distributor housing, agitating nozzle and bracket

TMP 3



TMP 3 供料泵 (含支架、泵、管道、爬梯、工作平台等)
 Tank 供料站 over tank wall, incl. support.
 Submersible motor pump incl. guide rail, lifting
 working platform

三轮移动泵

- TMP 三轮支撑底盘
- 热镀锌三轮底盘
- 轨道宽度 1.05-1.65m
- 带不锈钢钢丝绳的安全绞车
- 热浸镀锌伸缩式导轨，最深 5.20 m
- 池子最小开孔尺寸 900 x 600 mm
- 充气轮胎和刹车系统
- 带 CEE 插头的星-三角保护开关

Trio-Port chassis

- Trio-Port chassis for TMP
- Hot-dip galvanized three-wheel chassis
- Track width adjustment of 1.05–1.65 m
- Safety cable winch with stainless steel wire cable
- Hot-dip galvanized telescopic guide rail down to 5.20 m pit depth
- Minimum pit opening 900 x 600 mm
- Air-filled tyres and brake
- Star-delta motor protection switch with CEE connector



三轮移动泵用于有覆盖的池子 |
 Trioport with TMP for use in
 closed pits

三轮移动泵适用于各种覆盖的池子

The mobile submersible pump with chassis to pump at different pits.



TMHP3高压潜水泵

Submersible motor high-pressure pump

Stallkamp 高压潜水泵是多年经验和持续改进的结果。它们运行可靠安全，高效，环保。

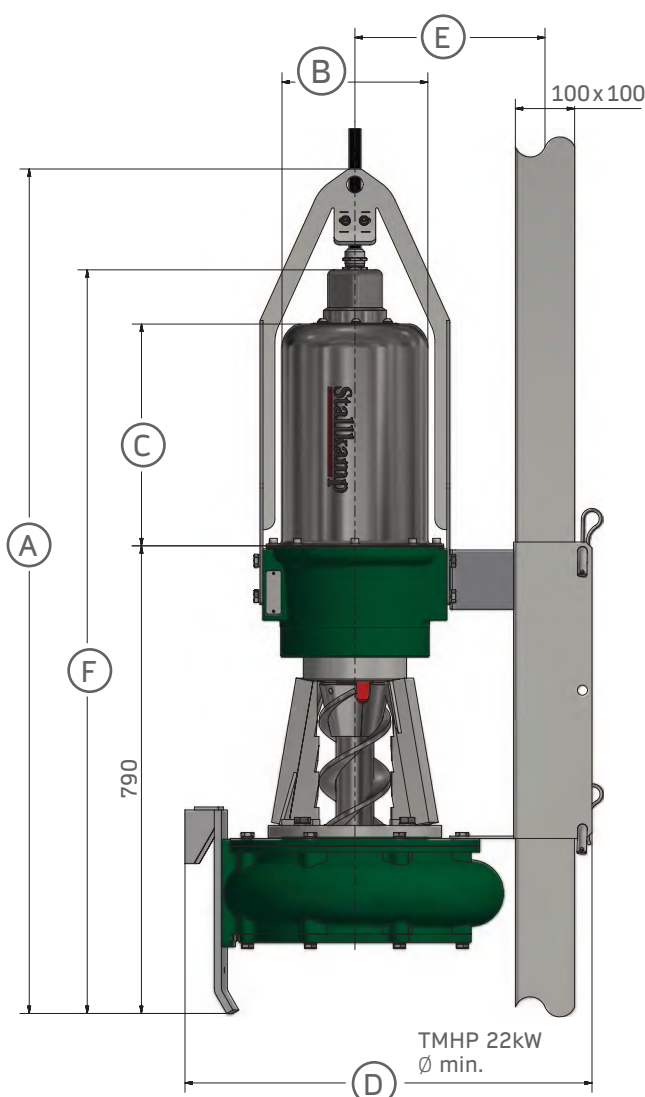
特征:

- 输送压力强
- 泵壳内无气体聚集
- 在最恶劣的条件下依然表现最佳
(尤其适用于粪尿和沼气项目)
- 螺旋形剪切边缘和大容量壳体防止堵塞
- 过热保护作为标准配置，防止过热损坏
- 泵可承受介质温度高达50°C
- 表面光滑的设计可防止纤维缠绕
- 省空间的设计
- 配件通用性强

Stallkamp submersible motor high-pressure pumps are the result of experience and consistent development. They run reliably and safely, and are powerful, effective and eco-friendly at the same time.

Your benefits:

- High delivery pressures
- No gas build-up in pump housing
- Top performance under the toughest conditions
(can be used in manure and biogas plants)
- Spiral shaped shearing edge and large volume housing to prevent blockages
- Thermo-control is installed as standard to prevent damage from overheating
- Pumping medium temperature up to 50° C
- The smooth design prevents the accumulation of fibrous materials
- Space-saving design
- A wide range of accessories



外形尺寸 | Dimensions

型号 Type	A	B	C	D	E	F	容许最大粒径 Ball passage Ø mm
TMHP3 110	1.450	246	260	800	320	1.130	48
TMHP3 170	1.450	246	310	800	320	1.180	48
TMHP3 220	1.450	246	375	800	320	1.245	48

尺寸偏差 5.0 mm | All dimensions may vary by 5 mm.

在任何液体介质中都可可靠运行！

电机功率：11.0--22.0kw

- 三相电机400V, 50Hz, 1,450rpm
- 防护等级IP68，隔热等级F=155°C
- 过热保护：每相单独热动控制
- 电机外壳1.4301不锈钢（相当于中国304不锈钢）
- 泵外壳材质：铸铁，表面由双组分塑料漆喷涂
- 加大型泵内腔，防止堵塞
- 带加大螺旋进料口和切割装置的泵叶轮
- 叶轮和进料口采用碳化钨硬质合金
- 轴密封采用带有径向轴密封圈的耐酸硬化密封圈
- 电缆：防水防潮保护装置，采用特殊的PU外保护套
- 1.4301不锈钢滑动轴承和进料法兰

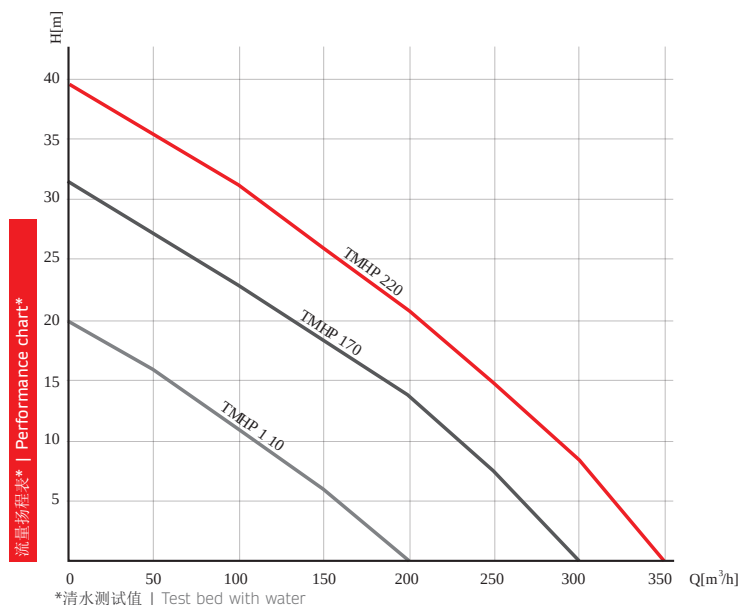
Reliable in any liquid medium!

Electric motors 11.0 – 22.0 kW

- Three phase motor 400 V, 50 Hz, 1,450 rpm
- IP68 protection category, insulating category F = 155° C
- Thermo-control for each phase as overheating protection
- Motor housing in 1.4301 stainless steel
- Pump housing made from cast iron material coated with 2-component plastic lacquer
- Large capacity pump housing and therefore resistant to blockages
- Pump impeller with top intake auger and chopping mechanism
- Impeller and feeder ring plated with WIDIA sintered carbide
- Sealed with radial shaft seal rings on special acid-resistant hardened rings
- Electric cable with water-blocking devices in the longitudinal direction of the cable for moisture protection; special PU outer sheathing with moulded connection
- 1.4301 stainless steel slide bearing and absorb flange

型号 Type	电机功率 Motor power	启动方式 Start-up	额定电流 Nominal current	熔断保护 Required protection (fuses)	转速 Rotational speed	压力 Maximum pressure	流量 Flow rate	噪声 Noise level*	重量 Weight
	kW	Y/Δ	A	A Träge delay	U/min rpm	bar	m³/h	dB (A)	kg
TMHP 110	11,0	Y/Δ	22,1	32	1.450	2,0	200	48	ca. 255
TMHP 170	17,0	Y/Δ	33,0	50	1.450	3,2	300	48	ca. 265
TMHP 220	22,0	Y/Δ	43,0	63	1.450	3,8	350	48	ca. 275

* 浸入水下时候的运行声音 | In immersed position



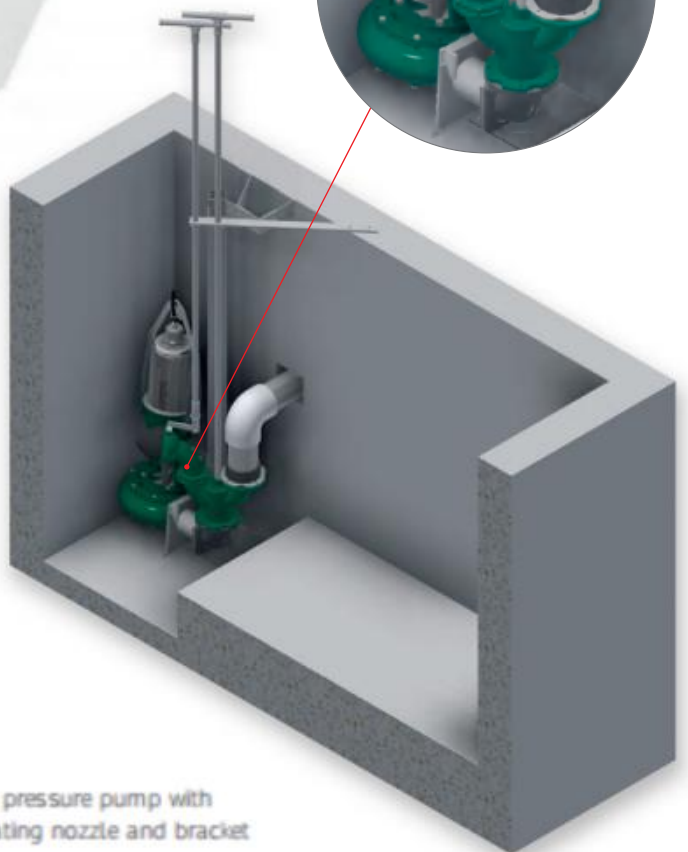
流量（体积流量/m³）取决于液体的密度和粘度，粪尿（或液体饲料）的类型和干物质含量，泵送高度和距离以及管道的直径。

The flow rate (volume flow rate in m³) is dependent on the density and viscosity of the liquid, the type and the DM content of the manure (animal feed), the support height and distance and the diameter of the pipeline.

TMHP 3



带升降装置的TMHP高压潜水泵
TMHP with sliding guide for lifting gear
in tank or pit



收集池内的高压潜水泵
Submersible motor high pressure pump with
distributor housing, agitating nozzle and bracket

LKP长轴泵

Long-shaft centrifugal pump



在极端恶劣条件下仍可正常使用！

长轴离心泵标准配置

- 泵外壳材质：铸铁，表面由双组分塑料漆喷涂
- 加大型泵内腔，有效防止堵塞
- 叶轮和进料口采用碳化钨硬质合金
- 带有切割装置和防缠绕装置的热镀锌底座
- 轴密封采用的是耐酸径向轴密封圈
- 驱动轴贯穿油槽，不锈钢套管
- 配备检查油位的油尺
- 弹性联轴器（仅限电机驱动）
- 过热保护：每相单独热动控制

For permanent use under extreme conditions!

Long-shaft centrifugal pump standard equipment

- Pump housing made from cast iron material coated with 2-component plastic lacquer
- Large capacity pump housing and therefore resistant to foreign bodies and blockages
- Pump impeller with intake auger below and chopping mechanism made from applied tungsten carbide
- Galvanized steel suction plate with cutting edge and winding protection
- Pump bearings and seals with radial shaft seal rings on special acid-resistant hardened rings
- Drive shaft running through oil bath, casing tube made of stainless steel
- Dipstick in casing tube for checking oil levels
- Stretch coupling (in electric drive only)
- Thermo-control for each phase as overheating protection

Stallkamp长轴离心泵是重型泵，可适用于泵送深达6.0m池深的物料。无论是使用电机（最大22kw/30hp）驱动还是拖拉机PTO动力驱动，长轴泵都有力而持久！尤其是在液体泵送或者管道冲洗上，都十分得心应手。

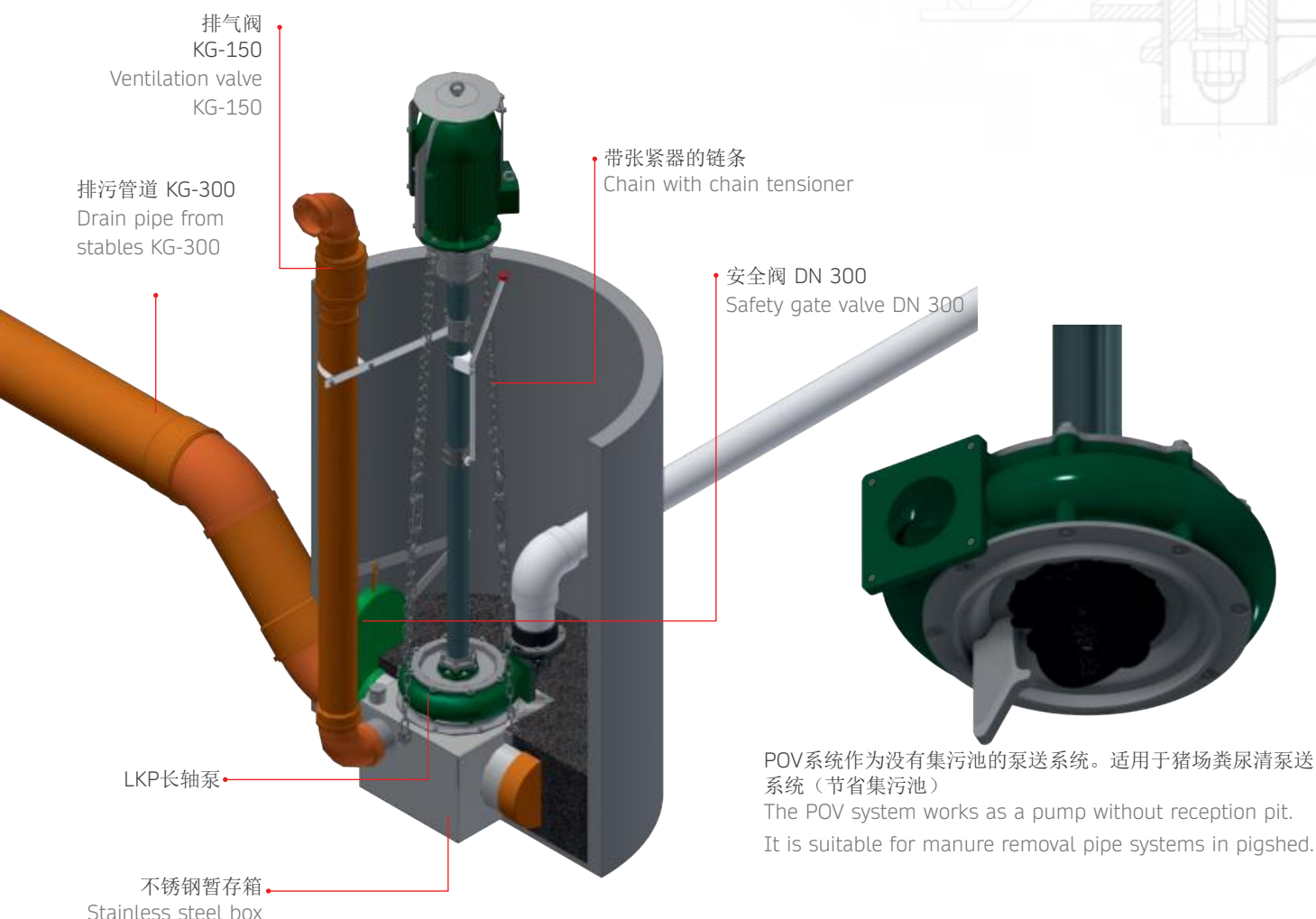
特征：

- 几乎不受异物和堵塞的影响
- 弹性联轴器，使用寿命长
- 将粪尿中的青贮或秸秆纤维切碎
- 大流量和高扬程（输送压力大）
- 可承受泵介质温度高达70℃
- 灵活性得益于完美的标准和通用的配件
- 电机驱动或PTO驱动（拖拉机）

Stallkamp long-shaft centrifugal pumps are heavy duty and are perfectly suitable for reception pits and manure pits to a depth of 6 m. Either with sturdy electric motors (up to 22 kW/30 PS) or PTO-driven, Stallkamp long-shaft pumps are a powerful and long-lasting centrepiece especially for manure and biogas plants with both fixed piping systems and flushing pipes.

Your benefits:

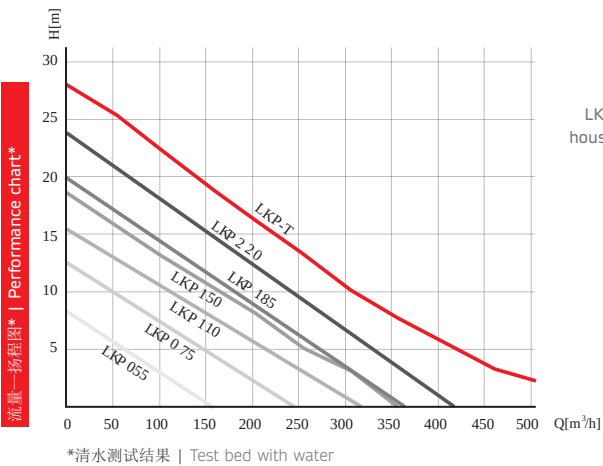
- Virtually unaffected by foreign bodies and blockages
- Long lifespan thanks to a stretch coupling (in electric drive only)
- Fibres of silage or straw in the manure are shredded
- High flow rates and delivery pressures
- Pumping medium temperature up to 70 °C
- Flexibility thanks to perfect standard equipment and a comprehensive range of accessories
- Electric or PTO drive



技术参数 | Technical data

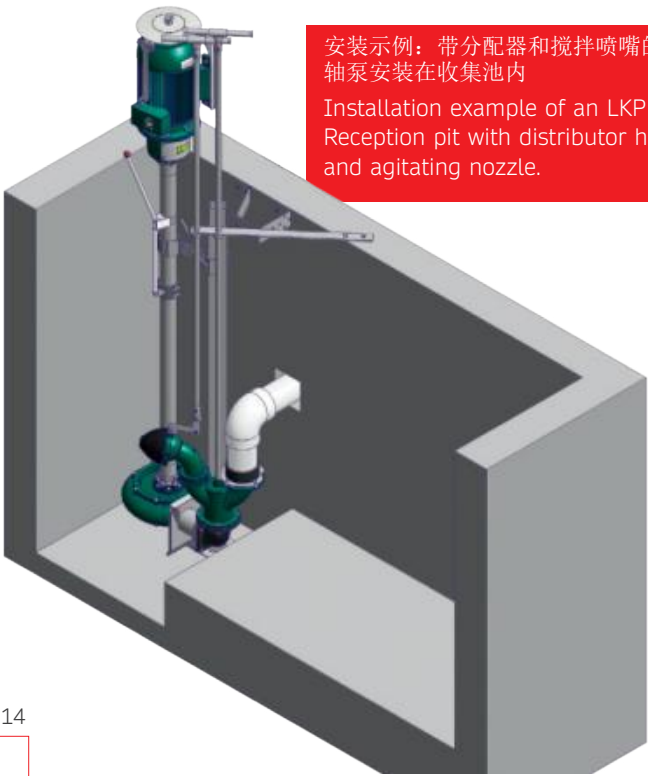
型号 Type	电机功率 Motor power	启动方式 Start-up	额定电流 Nominal current	延时 Time delay	保险断路器 Required protection (fuses)	转速 Rotational speed	压力 Maximum pressure	流量 Flow rate	噪音 Noise level*	重量 Weight
	kW		A			U/min rpm	bar	m³/h	dB (A)	kg
LKP 055	5,5	Y/Δ	11.0	20		1.450	0.8	155	35	62
LKP 075	7,5	Y/Δ	16.0	25		1.450	1.2	230	35	62
LKP 110	11,0	Y/Δ	22.0	32		1.450	1.5	312	35	67
LKP 150	15,0	Y/Δ	28.0	50		1.450	1.8	345	44	67
LKP 185	18,5	Y/Δ	36.0	50		1.450	1.9	365	44	67
LKP 220	22,0	Y/Δ	43.0	63		1.450	2.3	408	44	67
LKP-T	PTO斜齿轮 540 U/min Angular gears, PTO shaft 540 rpm					1.620	2.7	612	44	-

* 泵浸入液体中运行的声音 | In immersed position



流量（体积流量/m³）取决于液体的密度和粘度，粪尿（或液体饲料）的类型和干物质含量，泵送高度和距离以及管道的直径等。

The flow rate (volume flow rate in m³) is dependent on the density and viscosity of the liquid, the type and the DM content of the manure (animal feed), the support height and distance and the diameter of the pipeline.



安装示例：带分配器和搅拌喷嘴的LKP长轴泵安装在收集池内
 Installation example of an LKP system
 Reception pit with distributor housing and agitating nozzle.





1. 电机驱动
1. Electric drive

驱动器类型

1. 电机

- 三相电机400V, 50Hz, 1,450 rpm
- 防护等级IP54
- 过热保护: 每相单独热动控制

Drive versions

1. Electric

- Three phase motor 400 V, 50 Hz, 1,450 rpm
- Protection category IP54, thermo-control per phase as overheating protection and stretch coupling with texture

LKP

LKP 电机泵
LKP electric drive

LKP 拖拉机泵
LKP tractor drive

0,63–1,12 m

0,63–0,92 m

1,13–1,62 m

0,93–1,42 m

1,63–2,12 m

1,43–1,92 m

2,13–2,62 m

1,93–2,42 m

2,63–3,12 m

2,43–2,92 m

3,13–3,62 m

2,93–3,42 m

3,63–4,12 m

3,43–3,92 m

4,13–4,62 m

3,93–4,42 m

4,63–5,12 m

4,43–4,92 m

5,13–5,62 m

4,93–5,42 m

5,63–6,12 m

5,43–5,92 m

池深 * | Pit depth *

* 从混凝土坑底部到顶部

* measured from pit floor to top edge of concrete floor



2. 拖拉机驱动
2. Tractor drive

2. 拖拉机

- 用于带PTO动力输出的驱动: 540rpm
- 传动比1: 3
- 适用于36–73kw (50–100hp) 的拖拉机

2. Tractor

- Angular gear for PTO drive 540 rpm
- Transmission ratio 1:3
- Power transfer 94 kW=128 PS

Applies to tractors with 36–73 kW = 50–100 PS



可以安装分配器, 从而达到两路泵送

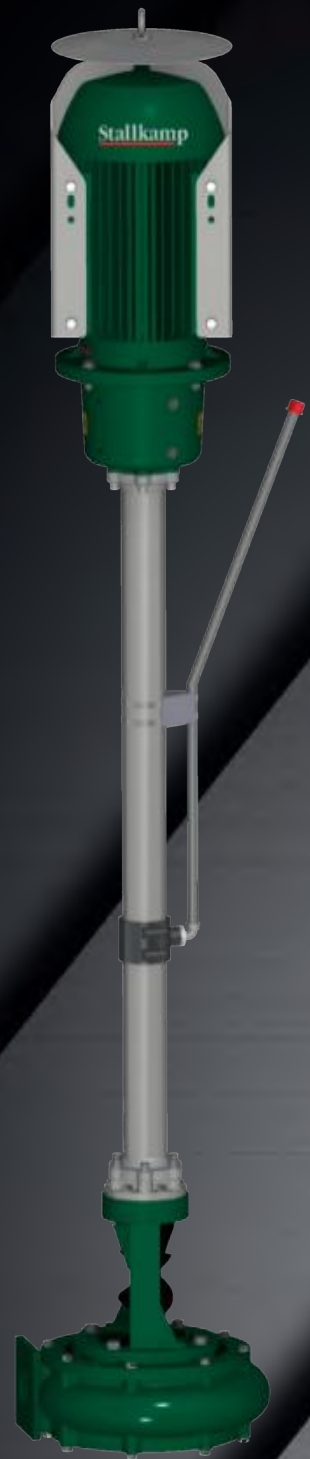
It is also possible to install max. 2 distributor housings on top of each other.



运行中的搅拌喷头 | Agitating nozzle in operation

LHP长轴高压泵

Long-shaft high pressure pump



多用途的泵

标准配置：长轴高压泵

- 泵外壳材质：铸铁，表面由双组分塑料漆喷涂
- 加大型泵内腔，防止堵塞
- 叶轮顶部螺旋进料
- 叶轮和进料口采用碳化钨硬质合金
- 轴密封采用的是耐酸径向轴密封圈
- 驱动轴贯穿油浴，不锈钢套管油浴池
- 油尺检查油位
- 弹性联轴器（限电动驱动）
- 过热保护：每相单独热动控制（限电动驱动）

Power with multiple uses!

Standard equipment: Long-shaft high pressure pump

- Pump housing made from cast iron material coated with 2-component plastic lacquer
- Large capacity pump housing and therefore resistant to foreign bodies and blockages
- Impeller top suction with auger feed
- Impeller and feeder ring plated with WIDIA sintered carbide
- Pump bearings and seals with radial shaft seal rings on special acid-resistant hardened rings
- Drive shaft running through oil bath, casing tube made of stainless steel
- Dipstick in casing tube for checking oil levels
- Stretch coupling (in electric drive only)
- Thermo-control per phase for overheating protection (in electric drive only)

Stallkamp长轴离心高压泵是重型泵，可适用于接收池和粪池深达6.0m的深度。无论是电机（最大22kw/30hp）驱动还是拖拉机PTO动力驱动，长轴泵都有力而持久！尤其是在液体泵送或者管道冲洗上，使用都十分得心应手。

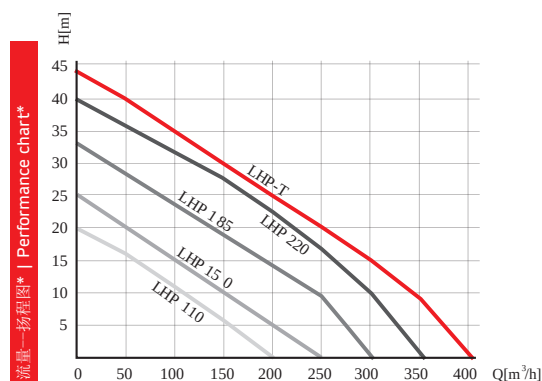
特征：

- 泵体没有气体积聚
- 几乎不受异物和堵塞的影响
- 弹性联轴器，使用寿命长
- 将粪尿中的青贮或秸秆纤维切碎
- 大流量和高输送压力
- 可承受介质温度高达70°C
- 灵活性得益于完美的标准和通用的配件
- 电机驱动或PTO驱动（拖拉机）

Stallkamp long-shaft high pressure pump are heavy duty and are perfectly suitable for reception pits and manure pits to a depth of 6 m. Either with sturdy electric motors (up to 22 kW/30 PS) or tractor-driven, Stallkamp long-wave pumps are a powerful and long-lasting centre-piece for manure and biogas plants with both fixed piping systems and flushing pipes.

Your benefits:

- No gas build-up in pump housing
- Virtually unaffected by blockages
- Long lifespan thanks to a stretch coupling (in electric drive only)
- Fibres of silage or straw in the manure are shredded
- High flow rates and delivery pressures
- Pumping medium temperature up to 70 °C
- Flexibility thanks to perfect standard equipment and a comprehensive range of accessories
- Electric or tractor drive



* 清水测试值 | Test bed with water

适合泵送半发酵的粪尿（含有气体）
Ideal for manure with high gas content.

流量（体积流量 m^3 ）取决于液体的密度和粘度，粪尿（或液体饲料）的类型和干物质含量，泵送高度和距离以及管道的直径。

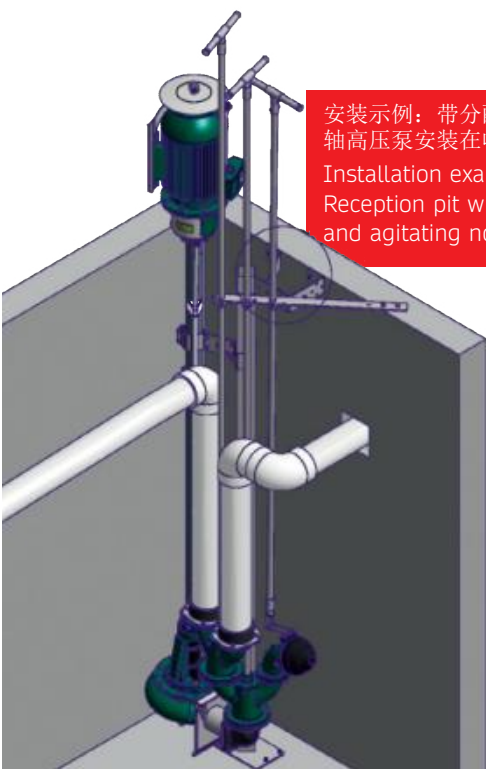
The flow rate (volume flow rate in m^3) is dependent on the density and viscosity of the liquid, the type and the DM content of the manure (animal feed), the support height and distance and the diameter of the pipeline.

型号 Type	电机功率 Motor power kW	启动方式 Start-up	额定电流 Nominal current A	保护断路器 Required protection (fuses) A Träge Time delay	转速 Rotational speed U/min rpm	压力 Maximum pressure bar	流量 Flow rate m^3/h	噪音 Noise level* dB (A)	重量 Weight kg
LHP 110	11.0	Y/Δ	22.0	32	1.450	2.0	200	48	67
LHP 150	15.0	Y/Δ	28.0	50	1.450	2.5	250	48	67
LHP 185	18.5	Y/Δ	36.0	50	1.450	3.2	300	48	67
LHP 220	22.0	Y/Δ	43.0	63	1.450	4.0	350	48	67
LHP-T	PTO锥齿轮连接 540 U/min Angular gears, PTO shaft 540 rpm				1.620	4.4	400	48	-

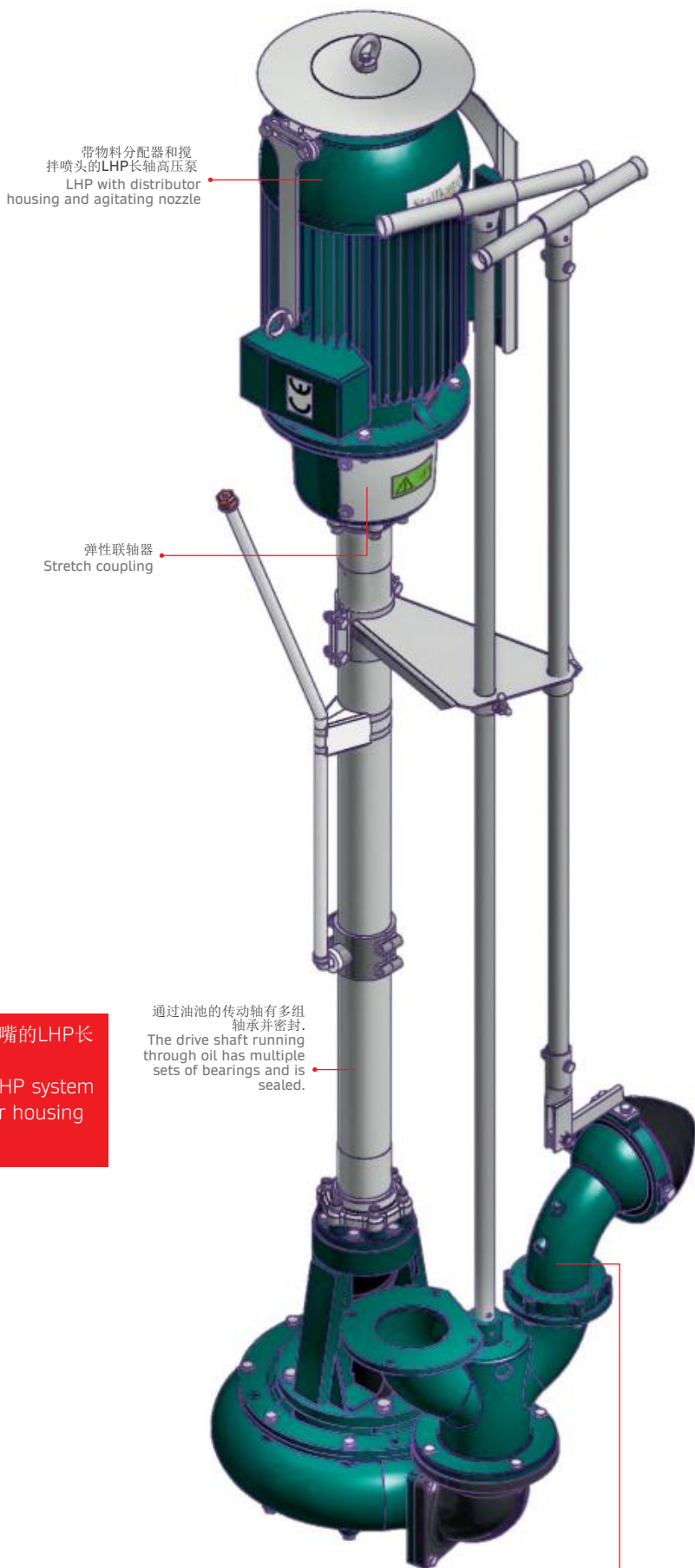
* 液体运行测试值 | In immersed position



泵入口切割装置采用碳化钨硬质材料
Tearing device at the suction opening
plated with WIDIA sintered carbide



安装示例：带分配器和搅拌喷嘴的LHP长轴高压泵安装在收集池内
Installation example of an LHP system
Reception pit with distributor housing
and agitating nozzle.



带物料分配器和搅拌喷嘴的LHP长轴高压泵
LHP with distributor
housing and agitating nozzle

弹性联轴器
Stretch coupling

通过油池的传动轴有多组
轴承并密封。
The drive shaft running
through oil has multiple
sets of bearings and is
sealed.

搅拌喷嘴可以水平280°旋转，50°向上倾斜或者20°向下倾斜。| The agitating nozzle
can be tilted horizontally by 280° and vertically by 50° upwards and 20°
downwards.



1. 电机驱动
1. Electric drive

驱动器类型

1. 电机

- 三相电机400V，50Hz，1,450 rpm
- 防护等级IP54
- 过热保护：每相单独热动控制

Drive versions

1. Electric

- Three phase motor 400 V, 50 Hz, 1,450 rpm
- Protection category IP54, thermo-control per phase as
- Overheating protection and stretch coupling with texture

LHP

LHP 电机驱动 LHP electric drive	LHP 拖拉机驱动 LHP tractor drive
1,31–1,80 m	1,31–1,60 m
1,81–2,30 m	1,61–2,10 m
2,31–2,80 m	2,11–2,60 m
2,81–3,30 m	2,61–3,10 m
3,31–3,80 m	3,11–3,60 m
3,81–4,30 m	3,61–4,10 m
4,31–4,80 m	4,11–4,60 m
4,81–5,30 m	4,61–5,10 m
5,31–5,80 m	5,11–5,60 m
5,81–6,30 m	5,61–6,10 m

池深 * | Pit depth *

* 从混凝土坑底部到顶部

* measured from pit floor to top edge of concrete floor



2. 拖拉机驱动
2. Tractor drive

2. 拖拉机

- 用于带PTO动力输出的驱动：540rpm
- 传动比1：3
- 适用于36-73kw(50-100hp)的拖拉机

2. Tractor

- Angular gear for PTO drive 540 rpm
- Transmission ratio 1:3
- Power transfer 94 kW=128 PS

Applies to tractors with 36–73 kW = 50–100 PS



运行中的搅拌喷头 | Agitating nozzle in operation



运行中的LHP长轴高压泵 | LHP in use

DKP转子泵

Rotary lobe pump



高效和使用寿命长

- 多种驱动方式
- 固定式或者移动式使用
- 吸力恒定
- 恒压
- 最高压5.0bar
- 最大流量可达250m³/h

Power pack with long operational life

- Various drive versions
- Stationary or mobile application scenarios
- Constant suction performance
- Constant pressure performance
- High pressurisation to max. 5 bar
- Flow rate to approx. 250 m³/h

Stallkamp 一贯注重效率。这意味着，我们的转子泵非常耐用，即使在很高压力的情况下，也可以保持恒定的流速，同时保持最低的维护费用。最重要的是：在其他品牌的泵达到使用寿命时，我们的泵只需要更换易损件即可继续使用。

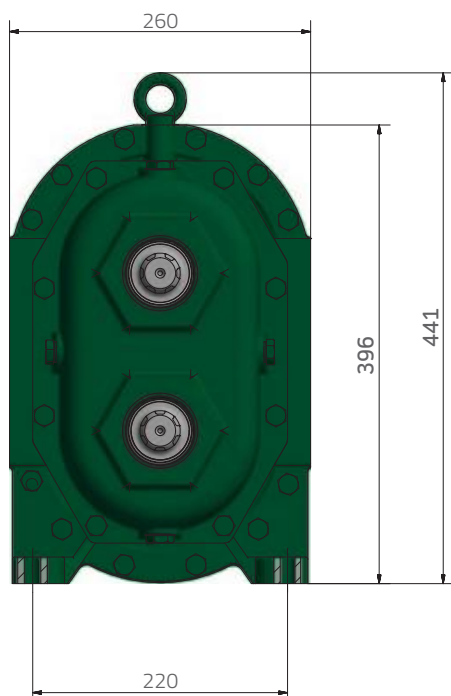
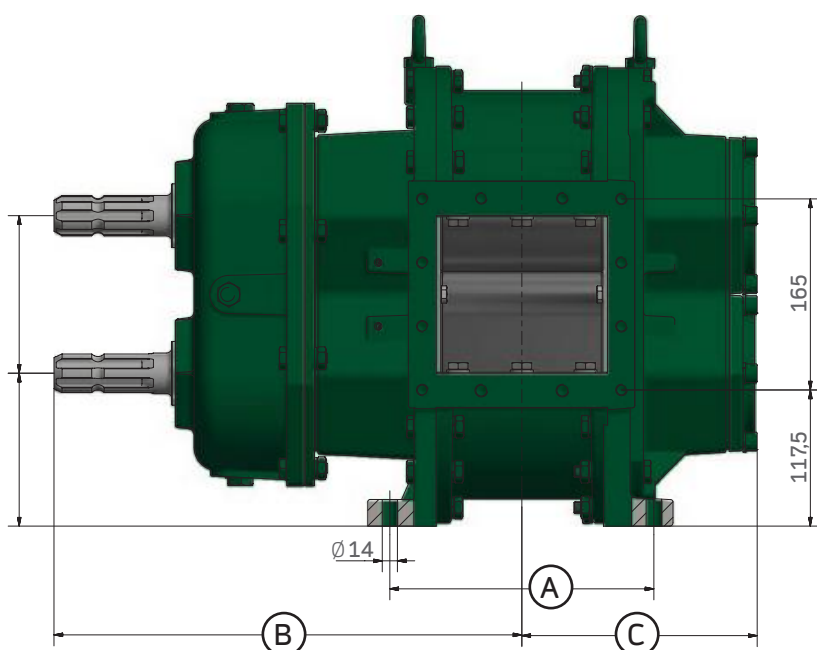
特性：

- 只需几步就可进行快速转子更换的模块化设计
- 非常耐用
- 几乎没有故障停机时间
- 轴承在两侧更稳定

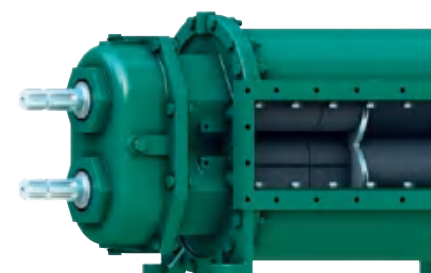
Stallkamp keeps a consistent focus on efficiency. This means that our rotary lobe pumps are extremely durable, even under heavy strain, and can take high flow rates while keeping maintenance costs to a minimum. And the great thing about it: Where other pumps reach the end of their service life after pumping so many m³, our pumps only require new wearing parts.

Your benefits:

- Modular design for quick piston change in just a few steps
- Extremely durable
- Nearly no downtime
- Bearings on both sides for more stability



DKP 电机转子泵
DKP for electric drive motor



DKP 拖拉机转子泵
DKP for tractor drive

外形尺寸 | Dimensions

型号 Type	A	B	C	重量 Weight
	mm	mm	mm	kg
D70	158	369	171	ca. 100
D140	228	404	206	ca. 120
D210	298	439	241	ca. 150
D280	378	479	281	ca. 170
D350	448	514	316	ca. 190
D420	518	549	351	ca. 210

尺寸偏差 5.0 mm
All dimensions may vary by 5 mm.

电机驱动—最高压力2.0bar

Electric drive, max. operating pressure 2 bar

型号 Type	电机功率 Motor power	单冲程流量 Stroke volume	最大转速 Maximum rotational speed	最大流量* Maximum flow rate*
	kW	l/U	U/min rpm	m³/h l/min
70	4,0	1,25	384	29 480
70	5,5	1,25	446	33 558
140	5,5	2,50	234	35 586
140	7,5	2,50	346	52 866
140	7,5	2,50	446	67 1.117
210	7,5	3,76	234	53 879
210	11,0	3,76	346	78 1.299
210	15,0	3,76	446	100 1.675
280	11,0	5,01	234	70 1.172
280	15,0	5,01	346	104 1.732
280	18,5	5,01	446	134 2.233
350	15,0	6,26	234	88 1.465
350	18,5	6,26	346	130 2.166
350	22,0	6,26	446	167 2.792
420	18,5	7,51	234	105 1.758
420	22,0	7,51	346	156 2.599
420	22,0	7,51	446	201 3.350

技术参数 | Technical data

电机驱动—最高压力4.0bar

Electric drive, max. operating pressure 4 bar

型号 Type	电机功率 Motor power	单冲程流量 Stroke volume	最大转速 Maximum rotational speed	最大流量* Maximum flow rate*
	kW	l/U	U/min rpm	m³/h l/min
70	2,2	1,25	123	9 154
70	5,5	1,25	234	18 293
70	5,5	1,25	346	26 433
70	7,5	1,25	446	33 558
140	7,5	2,50	234	35 586
140	11,0	2,50	346	52 866
140	11,0	2,50	446	67 1.117
210	11,0	3,76	234	53 879
210	15,0	3,76	346	78 1.299
210	15,0	3,76	446	100 1.675
280	15,0	5,01	234	70 1.172
280	18,5	5,01	346	104 1.732
280	22,0	5,01	446	134 2.233
350	18,5	6,26	234	88 1.465
350	22,0	6,26	346	130 2.166
350	30,0	6,26	408	153 2.554
420	22,0	7,51	234	105 1.758
420	30,0	7,51	355	160 2.666
420	30,0	7,51	408	184 3.064

技术参数 | Technical data

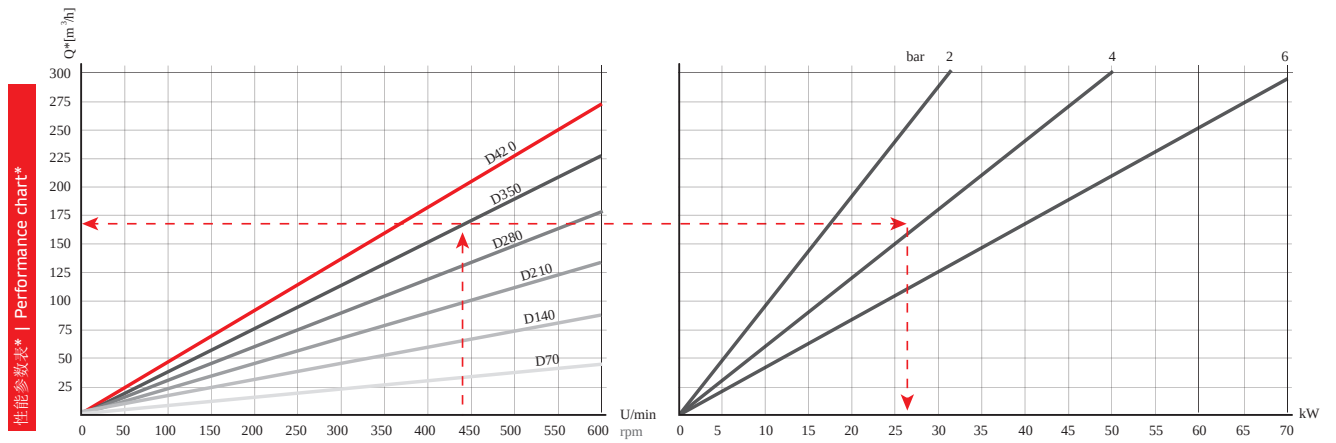
拖拉机驱动—最高压力5.0bar

Tractor drive, max. operating pressure 5 bar

型号 Type	单冲程流量 Stroke volume	轴直径 Ø Shaft Ø	最大压力 Maximum operating pressure	最大流量* Maximum flow rate*	最大转速 Maximum rotational speed
	l/U	mm	bar	m³/h l/min	rpm
70	1,25	60	5	41 676	540
140	2,50	60	5	81 1.352	540
210	3,76	60	5	122 2.028	540
280	5,01	60	5	162 2.704	540
350	6,26	60	5	203 3.380	540
420	7,51	60	5	243 4.056	540

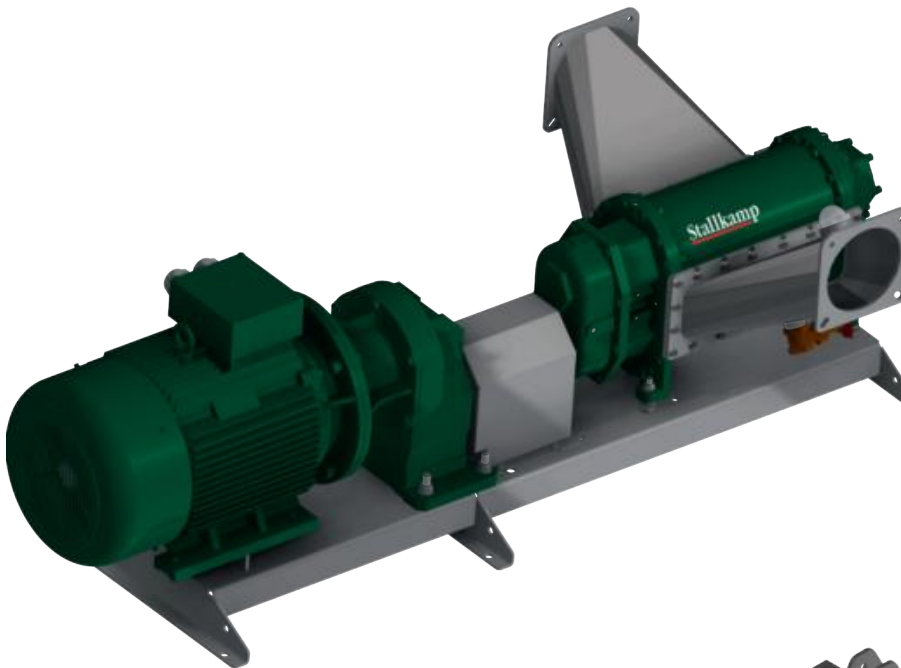
Technische Daten | Technical data

* 理论流量 | Theoretical flow rate



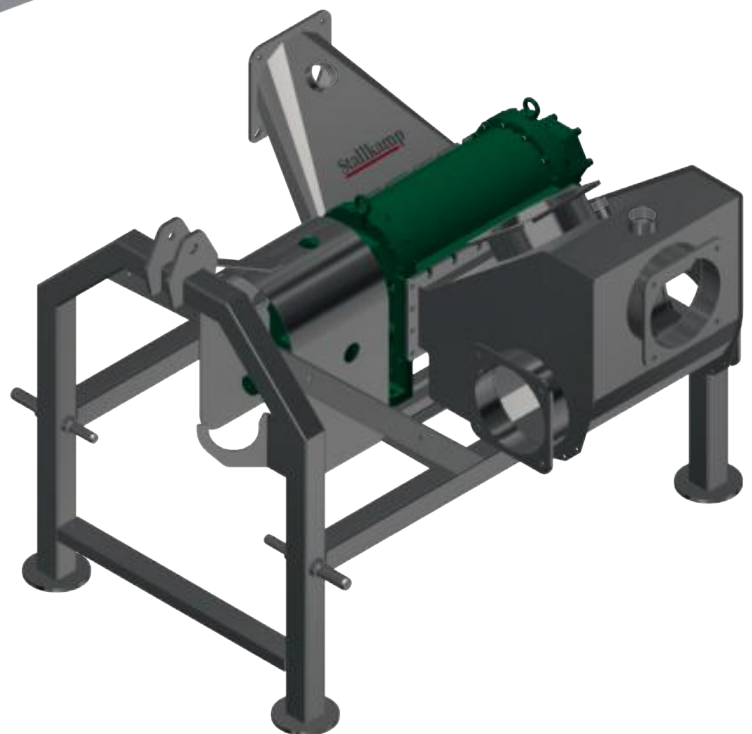
流量（体积流速 L/m^3 ）取决于液体的密度和粘稠度，粪尿（或液体饲料）的类型和干物质含量，泵送高度和距离，以及管道的直径。

The flow rate (volume flow rate in m^3) is dependent on the density and viscosity of the liquid, the type and the DM content of the manure (animal feed), the support height and distance and the diameter of the pipeline.



电驱动转子泵安装在热镀锌的支架上

Rotary lobe pump with electric drive motor on hot-dip galvanized skit



拖拉机驱动转子泵安装在热镀锌三点悬挂架上

Rotary lobe pump for tractor drive on hot-dip galvanized three-point headstock

HEX偏心螺杆泵

Eccentric screw pump

可泵送多种介质的泵

标准配置：偏心螺杆泵

- 连续运行的高效率的偏置驱动电机
- 采用双轴承和油浴润滑，维护费用低
- 通过稳定的法兰连接和额外的橡胶接头来保护驱动
- 泵室用双重低维护滑环密封
- 带有单面连接法兰的钢制泵壳，DN 150 PN 16
- 出水口连接法兰DN 150 PN 16
- 耐磨转子，由特殊淬火铬钼钢制成
- 耐磨损橡胶定子（可定制其它材质的定子，额外收费）
- 根据要求，可将其安装在热镀锌或不锈钢支架上

The pump that supports all sorts of media

Standard equipment Eccentric screw pump

- Offset drive motor with high operational factor for continuous operation
- Low-maintenance thanks to double bearings and oil bath lubrication
- Drive via stable flange joints and additional rubber joint protection
- Sealed with dual low-maintenance slide ring sealing on pump chamber
- Steel pump housing with single-sided connection flange DN 150 PN 16
- Steel outflow flange with connection flange DN 150 PN 16
- Wear-resistant rotor made of specially hardened Cr-Mo-steel
- Manure-resistant rubber stator (other qualities available at an extra charge)
- On request, it can be mounted on a galvanized console or a stainless steel console



Testimonial R. Lamping
Lamping Biogas GmbH & Co. KG
(试点客户/pilot customer)

来自客户的声音：

Stallkamp公司的HEX螺杆泵比其他公司的同类产品要好很多，功耗也大大降低。卧式偏心螺杆泵还可以输送很高干物质含量的物料（高达10 -12%）。常规的螺杆泵（最大9%DM含量）是不可能的。HEX螺杆泵性能强劲，运行非常安静。

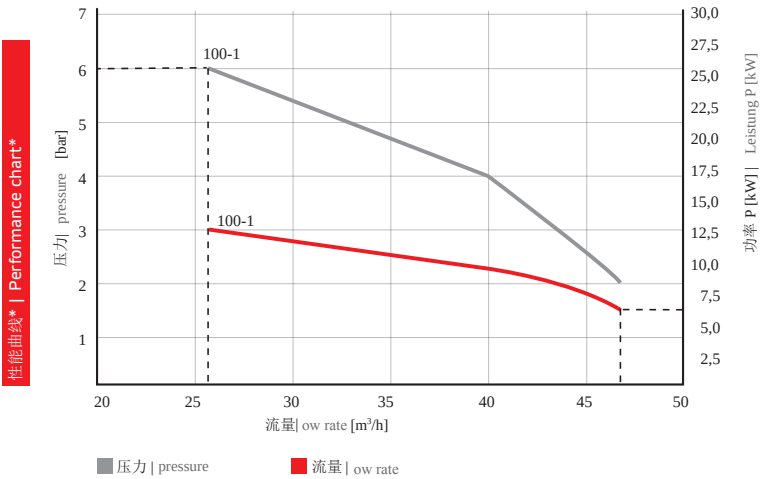
我们非常满意！

"The HEX of Stallkamp sucks much better than comparable solutions with a rotary lobe pump and at a significantly lower power consumption. The eccentric screw pump also supports high DM content media (up to 10-12 %). This can't be achieved with conventional rotary lobe pumps (max. 9 % DM content). Despite the strong performance, the pump runs very quietly. **We are very satisfied.**"

型号 Type	电机功率	转子速度	最大压力	流量
	Motor power	Rotational speed	Maximum pressure	Flow rate
	kW	U/min rpm	bar	m³/h
100-1	7,5	234	2	47
100-1	11	234	4	40
100-1	15	234	6	26

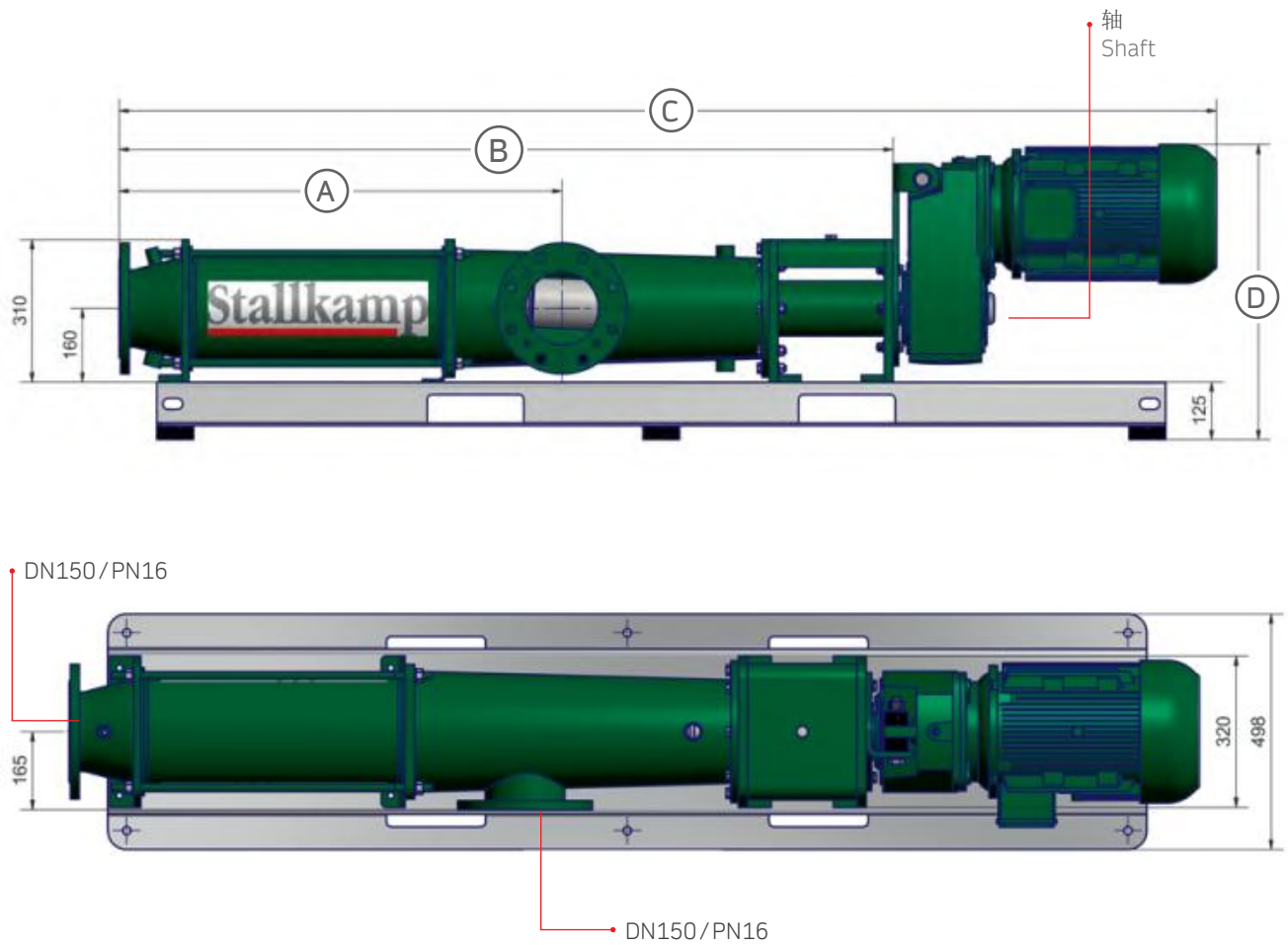
型号 Type	A	B
	mm	mm
100-1 7,5 kW	965	1.687
100-1 11 kW	965	1.687
100-1 15 kW	965	1.687

尺寸偏差5.0mm. | All dimensions may vary by 5 mm.



流量（体积流速L/m³）取决于液体的密度和粘稠度，粪尿（或液体饲料）的类型和干物质含量，泵送高度和距离，以及管道的直径。
The flow rate (volume flow rate in m³) is dependent on the density and viscosity of the liquid, the type and the DM content of the manure (animal feed), the support height and distance and the diameter of the pipeline.

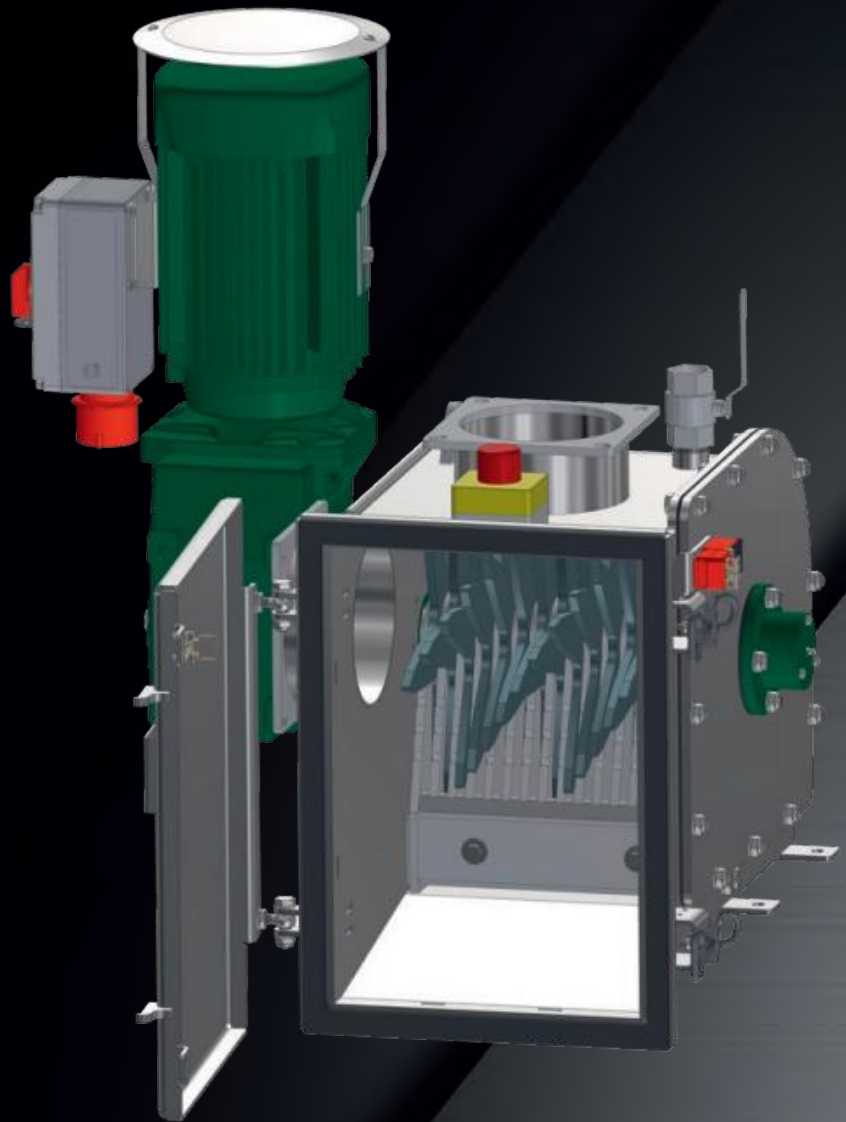
HEX



沼气项目中使用的螺杆泵
Eccentric screw pump
in use in a biogas plant



**NEUHEIT
DES JAHRES 2019**
Regenerative Energien



SF 粉碎机

Cutting system (SF)

粪尿中固体物质的完美粉碎机

电机功率 3,0 kW

- 从粪尿中滤出异物（木块、石头等），防止泵或类似设备出现故障和损坏
- 把物料中的长纤维粉碎
- 偏心的切削刀片带动物料滚动运动，将异物导入粉碎机的储藏室

优势

- 壳体密封由橡胶制成的径向轴密封圈和平密封。
- 有两个进料口和出料口，可以灵活使用
- 坚固的结构
- 通过一个大的清洗活门，轻松地清空异物储藏室
- 由于检查开口远离电机一侧，便于打开维护
- 刀片如有磨损可以更换同型号刀片

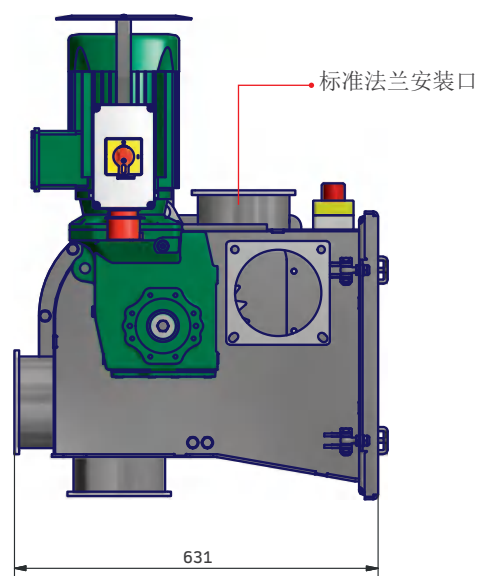
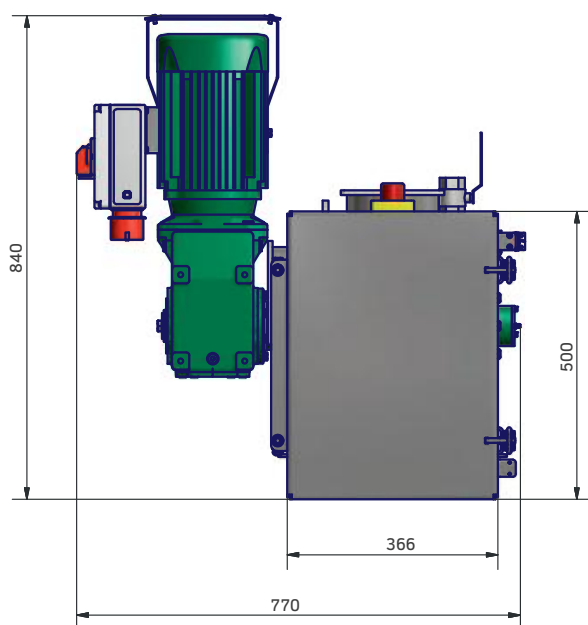
Perfect shredding of solids in manure

3.0 kW electric motors

- Filters out foreign bodies (wood pieces, stones, etc.) from manure to prevent faults and damages to pumps or similar equipment
- Shreds material with long fibres for a finer medium
- The offset cutting edges cause a rolling movement that conveys foreign bodies into the storage space

Advantages

- Housing sealed with radial shaft seal rings and flat seals made of resistant rubber
- Can be used flexibly thanks to two inputs and outputs
- Robust construction
- Easy emptying of the storage space by means of a large cleaning flap
- Simplified maintenance thanks to large housing covers on the side facing away from the motor
- Blade counterparts can be replaced if worn



技术参数 | Technical data

型号 Type	电机功率 Motor power kW	输出流量 Output speed U/min	最大流量* Max. flow rate m³/h		连接法兰 Connection size L/min	进料口位置 Input position "	出料口位置 Output position
SF 300	3,0	292	49,8	830	6	边部或顶部 side and above	侧部或下部 behind and below

* 理论流量 | Theoretical flow rate

适用于stallkamp的转子泵（DKP）和偏心螺杆泵（HEX）!

Ideal for use with Stallkamp rotary lobe pumps (DKP) and eccentric screw pump (HEX)!





HKP高压离心泵

High pressure centrifugal pump

完美的高压力流量泵

使用和操作条件

- 为畜禽泵送液体饲料
- 输送饲料液体，如乳清、啤酒酵母、脱脂牛奶、粥、水等。
- 混合液体饲料
- 向罐体泵送物料
- 泵送干物质含量小的粪尿或者没有纤维含量的液体粪尿

High flow pressure in perfection

Use and operating conditions

- Pumping of liquid feed for animal feeding
- Pumping of feed liquids such as whey, brewer's yeast, skimmed milk, porridge, water, etc.
- Mixing and washing round liquid feed
- Filling of storage tanks with liquid feed
- Pumping of thin manure and liquid manure without fibrous material

该泵被设计为需要高流量和功率消耗低的管道系统

The pump has been designed for pipe systems which require a high flow rate to power consumption ratio.

特性:

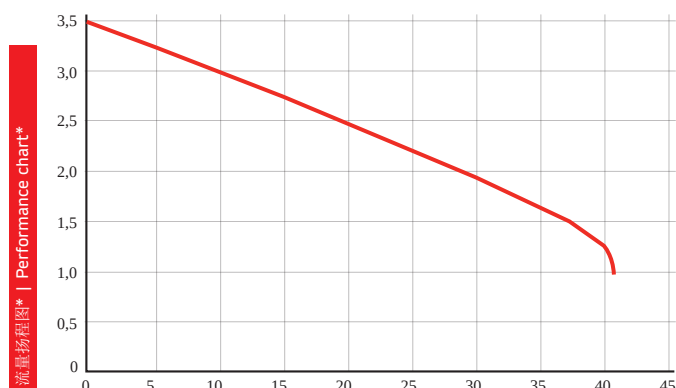
- 泵壳体由耐腐蚀镍合金材料组成，表面由双组分塑料漆喷涂
- 叶轮采用耐腐蚀镍合金不锈钢材质
- 吸入侧连接2½" PVC标准法兰
- 压力侧连接2" PVC标准法兰
- 隔热等级F = 155°C、防护等级IP55
- 泵介质温度最高可达70°C

Description:

- Pump housing made from Ni-Resist stainless steel coated with 2-component plastic lacquer
- Pump impeller made from Ni-Resist stainless steel
- Suction side connection with 2 ½" PVC standard flange
- Pressure side connection with 2" PVC standard flange
- Insulating category F = 155° C, Protection category IP55
- Pumping medium temperature up to max. 70 °C

泵材料中耐腐蚀镍合金的含量超过20%。这使得该泵极其抗腐蚀。

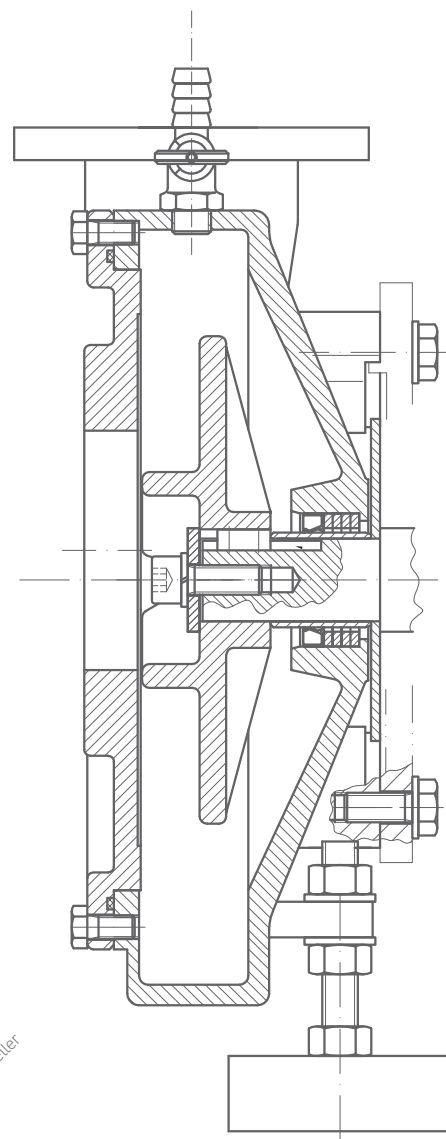
The material Ni-Resist is characterized by an nickel content of more than 20 %. This makes Ni-Resist extremely resistant to corrosion.



* 流量 m³/h (液体密度为 1 kg/dm³ 的水测试结果) |
Flow rate in m³/h with a density of 1 kg/dm³ (H₂O)

流量 (体积流速 U/m^3) 取决于液体的密度和粘度，粪尿 (或液体饲料) 的类型和干物质含量，泵送高度和距离，以及管道的直径。

The flow rate (volume flow rate in m^3) is dependent on the density and viscosity of the liquid, the type and the DM content of the manure (animal feed), the support height and distance and the diameter of the pipeline.

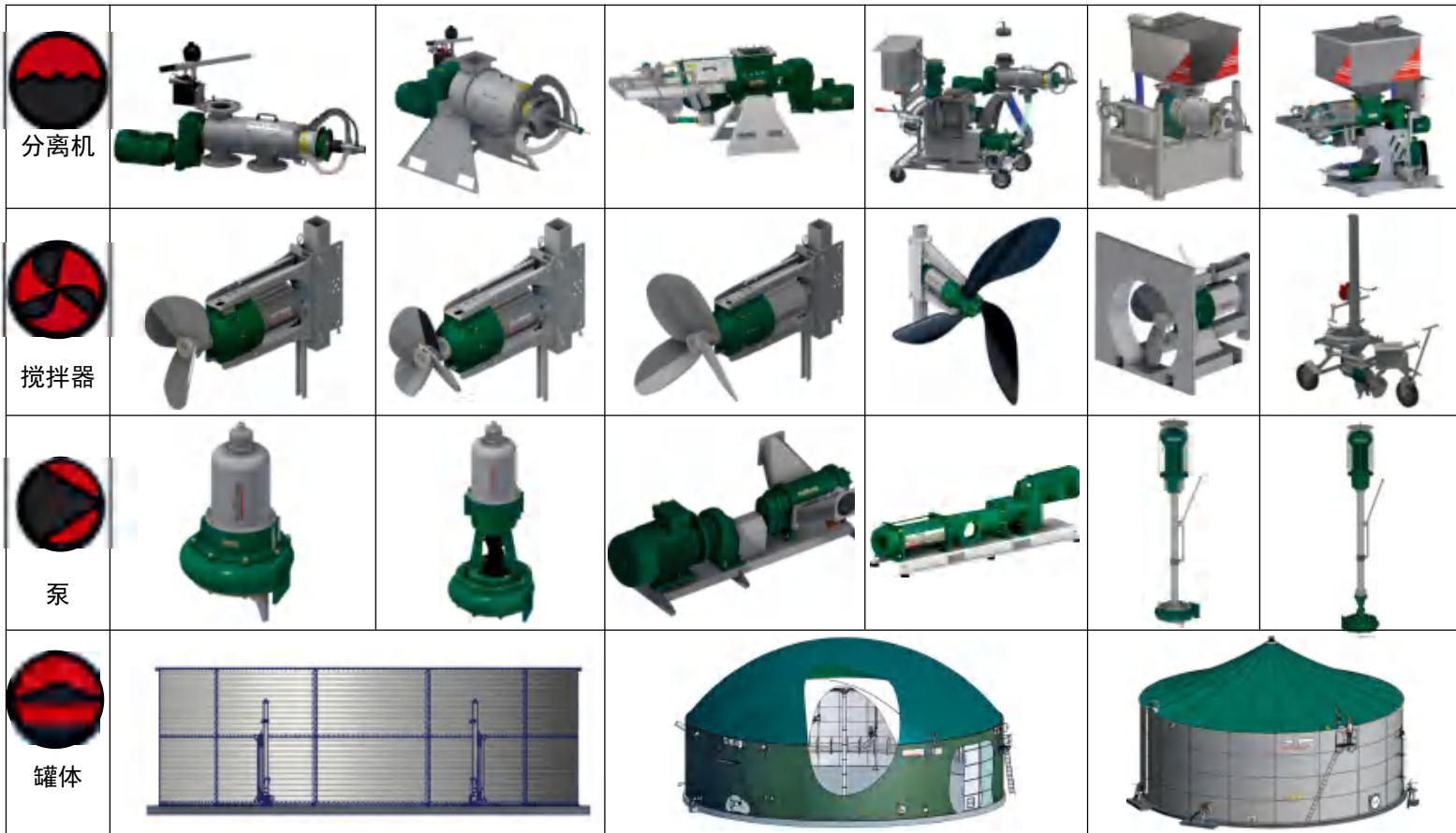


技术参数 | Technical data

型号 Type	电机功率 Motor power	额定电流 Nominal current	转速 Rotational speed	最大压力 Maximum pressure	最大流量 (水) Max. flow rate with water	泵体和叶轮材料 Pump housing and impeller
	kW	A	U/min rpm	bar	m³/h	
HKPM1305 4,0 kW	4,0 kW (400 V, 50 Hz, 3 Ph)	7,1	2.910	2,6	42	耐腐蚀镍合金不锈钢 Ni-Resist stainless steel

Stallkamp

德国制造品质保证



Erich Stallkamp ESTA GmbH

In der Bahler Heide 4 · Industriegebiet West 49413

Dinklage · Germany

www.stallkamp.de

德国 Stallkamp (斯多康) 机械集团公司

斯多康 (北京) 科技有限公司

地址: 北京市海淀区北清路68号院西区1号楼2层

电话: 010 82478099

18610951007

Email: stallkamp@163.com

yfeng@stallkamp.de

代理商信息 Dealer Information: