

## SCREW PUMP

# 3G Series Three Screw Oil Transfer Pump

ISO9001 Supplier

Class Certificate

Export Supply

3G Series Three Screw Pump applies to deliver clean and non-corrosive medium which has lubricating property at temperature below  $\leq 150^{\circ}\text{C}$ , with the viscosity of 5-760cSt, The pump's working pressure range

**Key Highlights**

Category	Screw Pump
Standard	EN
Material	cast iron pump case, Stainless steel pump shaft
Weight / Size	(2)Small vibration and low noise (3)High pressure and high efficiency (4...
Certificate	CCS , Rina , ABS, BV, GL,

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

**Technical Specifications**

Category	Screw Pump	Model / SKU	3G-Series-Three-Screw-Oil-Transfer-Pump
Standard	EN	Material	cast iron pump case, Stainless steel pump shaft
Weight / Size	(2)Small vibration and low noise (3)High pressure and high efficiency (4)Simple structure, easy disassembly and assembly (5)Small volume and light weight (6)Slight wear and long life of the pump Structure:	Certificate	CCS , Rina , ABS, BV, GL,
Warranty	12 Months unless specified otherwise	Origin	China

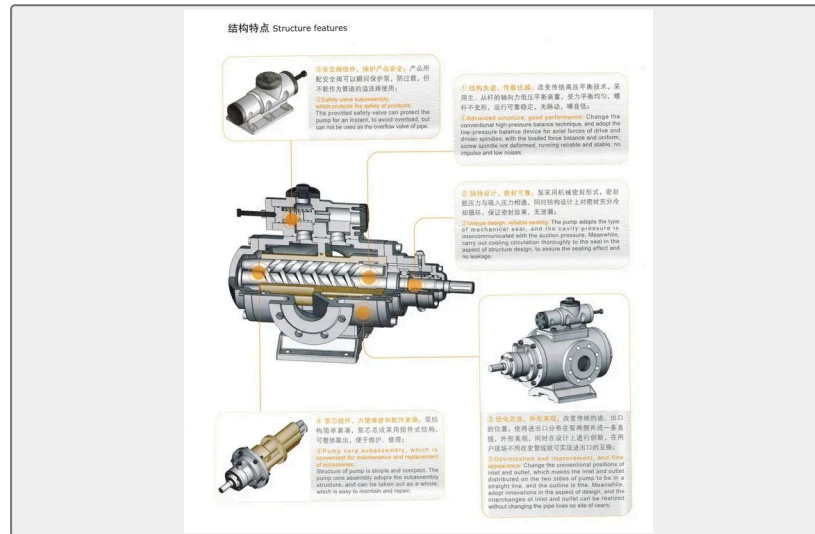
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## 3G Series Three Screw Oil Transfer Pump

3G Series Three Screw Pump applies to deliver clean and non-corrosive medium which has lubricating property at temperature below  $\leq 150^{\circ}\text{C}$ , with the viscosity of 5-760cSt, The pump's working pressure range from 0.6MPa to 2.5MPa and flow capacity range from 0.6-123m<sup>3</sup>/h.

## Structural



## Feature

- (1) Medium is delivered in axial direction continuously without agitation and pulsation.
- (2) Small vibration and low noise
- (3) High pressure and high efficiency
- (4) Simple structure, easy disassembly and assembly
- (5) Small volume and light weight
- (6) Slight wear and long life of the pump

Structure: The pumps are sealed generally by mechanical seal and driven by the motor through the claw coupling.

Material: The driving and driven screw 16MnCrS5, 40Cr, 45, 38CrMoALA Pump casing: HT200, QT450-10, ZCuSn10PI, ZG270-500

## Application

应用范围 Application scope				
介质 Medium	润滑油(油)类 Lubricant(oil)		植物油 Vegetable oil	水乙二醇 Water ethylene glycol
适用性 Suitability	*		*	*
介质 Medium	润滑脂 Lubricating grease	轻柴油 Light diesel oil	残渣燃料(油)类 Fuel wastage(oil)	其它粘稠化工介质 Other sticky chemical medium
适用性 Suitability	☆	☆	☆	☆

注: ★表示优先使用, ☆表示可以使用, 同时其他类似上述介质均可使用  
 Note: ★ indicates adoption in priority, ☆ indicates adoption be allowed, meanwhile other similar above medium can all be adopted.

性能要求 Performance requirements	
介质润滑性要求: 有润滑性或部分润滑性要求 Lubricating requirements of medium: There are lubricating or partial lubricating requirements.	介质颗粒要求: 无固体颗粒 Requirements of medium particles: There are no solid particles.
流量范围: 5-5300L/min Flow range: 5-5300L/min	工作压力: ≤4.0Mpa Operating pressure: ≤4.0Mpa
转速要求: 500-3000r/min Required speed: 500-3000r/min	粘度范围: 3-1500mm <sup>2</sup> /s Viscosity range: 3-1500mm <sup>2</sup> /s
使用温度: 0-150℃ Service temperature: 0-150℃	允许吸上高度: ≤8m Allowed suction height: ≤8m

## Main Specification

Model	Exhaust Pressure	Capacity Q		Speed	(NPSH)r	Efficiency	Motor	
	MPa	m3/h	L/min	r/min	m	η %	Power kw	Model
25×4-46	1	0.8	13	1450	4	62	0.75	Y802-4
	2.5	0.6	10			60.6	1.5	Y90L-4
	1	2	33	2900	4.5	59.4	1.5	Y90S-2
	2.5	2	26			69	3	Y100L-2
30×4-46	1	2	26	1450	4.5	63.5	1.1	Y90S-4
	2.5	2	20			61	2.2	Y100L1-4
	1	2	60	2900	5	60	2.2	Y90L-2
	2.5	2	53			69	4	Y112M-2
36×4-46	1	2	46	1450	4.5	66	2.2	Y100L1-4
	2.5	2	40			66.5	4	Y112M-4
	1	2	108	2900	5	60.5	4	Y112M-2
	2.5	2	100			72	7.5	Y132S2-2
42×4-46	1	2	80	1450	5	62	4	Y112M-4
	2.5	2	70			73	5.5	Y132S1-4
	1	2	175	2900	5.5	61	5.5	Y132S1-2
	2.5	2	166			72	15	Y160M2-2



45×4-46	1	2	106	1450	5	70	3	Y100L2-4
	2.5	2	99			74	7.5	Y132M-4
	1	2	225	2900	5.5	60	7.5	Y132S2-2
	2.5	2	217			75	15	Y160M2-2
60×4-46	1	2	255	1450	5	71.3	11	Y160M-4
	2.5	2	245			74	15	Y160L-4
	1	2	533	2900	5.5	63	18.5	Y160L-2
	2.5	2	525			77	37	Y200L2-2
70×2-46	0.6	2	400	1450	5	71	7.5	Y132M-4
	1	2	390			75	11	Y160M-4
	1.6	2	370			76	15	Y160L-4
70×4-46	1	2	408	1450	5	72.5	18.5	Y180M-4
	2.5	2	392			79	30	Y200L-4
80×2-46	0.6	2	608	1450	5	72	11	Y160M-4
	1	2	594			75.5	18.5	Y180M-4
	1.6	2	575			76.5	22	Y180L-4
80×4-46	1	2	617	1450	5.5	72	30	Y200L-4
	2.5	2	590			78.1	45	Y225M-4
100×2-46	0.6	2	1208	1450	5	73	22	Y180L-4
	1	2	1183			77	37	Y225S-4
	1.6	2	1158			79	45	Y225M-4
100×4-46	1	2	1208	1450	5.5	73	55	Y250M-4
	2.5	2	1165			78.5	75	Y280S-4
S100×3-27	0.6	2	1196	1450	6	62	22	Y180L-4
	1.6	2	1160			72	55	Y250M-4
	2.5	2	1145			74	75	Y280S-4
S120×3-27	0.8	2	2055	1450	6	74.5	55	Y250M-4
	1.5	2	2010			76	90	Y280M-4
	2.5	2	1920			78.5	132	Y315M-4

## Installation Type

