

RY风冷式热油泵 Air-Cooled Hot Oil Pump



描述Introduction

RY型风冷式热油泵结构合理、性能优良，使用可靠。适用于输送不含固体颗粒的高温液体。其耐腐蚀程度和使用温度取决于拿介质接触的主要零件的材料（分三类：I HT200；II ZG230-450；III 1Cr18Ni9Ti,0Cr18Ni12Mo2Ti）。

RY型风冷式热油泵主要石油及化学工业；油脂工业；合成纤维工业；纺织印染工业；塑料及橡胶工业；造纸工业；木材工业；建筑行业以及机械工业、食品工业、医药生产、热油取暖循环系统中被广泛应用。

RY系列风冷高温导热油泵主要用于输送不含固体颗粒的弱腐蚀性高温液体，使用温度 $\leq 370^{\circ}\text{C}$ ，是一种理想的循环泵。该导热油泵广泛应用纸餐盒高温定型、动态硫化轮胎及胶机械、平板硫化、橡胶、烘干、饲料烘干、印染、化工、胶合板生产、卷材生产、沥青加热、挂面烘干等行业。

RY type air-cooled hot oil pump has reasonable structure, excellent performance and reliable use. Suitable for conveying high temperature liquid without solid particles. The degree of corrosion resistance and the use temperature depend on the material of the main parts in contact with the medium (divided into three categories: HT200 II :Z230-450 III:1Cr18Ni12-Mo2Ti).

RY type air-cooled hot oil pump mainly petroleum and chemical industry; Oil and grease industry; Synthetic fiber industry; Textile printing and dyeing industry; Plastics and rubber industry; Paper industry; The timber industry; Construction industry and machinery industry, food industry, medical production, hot oil heating circulation system is widely used.

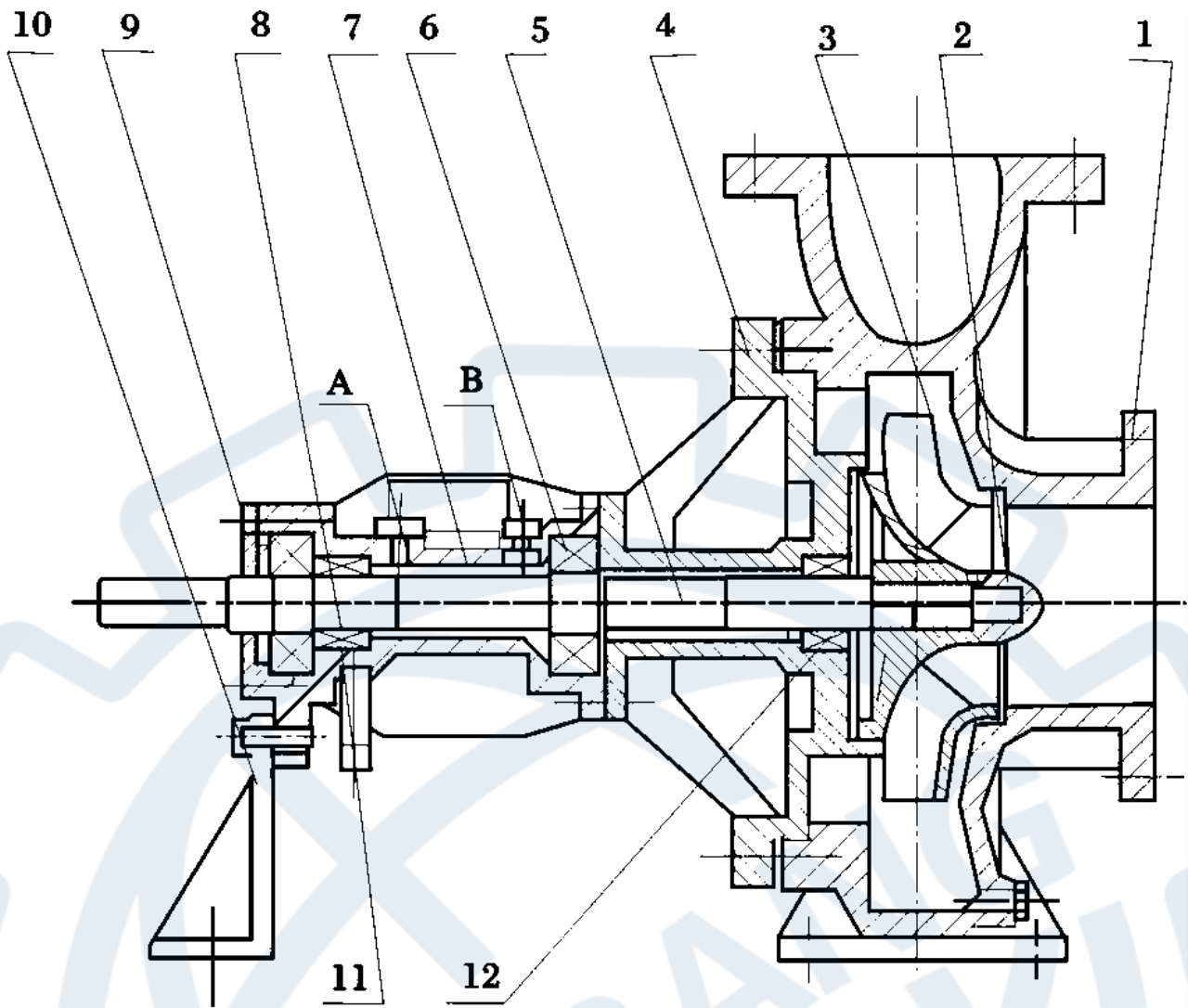
RY series air cooled high temperature heat conduction pump is mainly used to transport the weak rot high temperature liquid without solid particles, the operating temperature is less than 370°C , is an ideal circulating pump. The heat transfer oil pump is widely used in high temperature setting of paper meal box, dynamic vulcanization tire and glue machinery, plate vulcanization, rubber, drying, feed drying, printing and dyeing, chemical industry, plywood production, coil production, asphalt heating, wall drying and other industries.

产品型号Ordering Code

RY	100	-	80	160	A	
						叶轮第一次切割 First cut Impeller diameter
						叶轮名义直径 Impeller nominal diameter
						泵出口公称直径（mm） Outlet diameter (mm)
						泵吸入口直径（mm） Inlet diameter (mm)
						热油泵 hot oil pump



结构图 Structure Drawing



1	泵体Pump Casing	2	叶轮螺母Impeller Nut	3	.叶轮Impellei	4	泵盖Pump Cover
5	泵轴Pump Shaft	6	轴承Bearing	7	轴承体 Bearing Casing	8	导油管 Oil-conducting Pipe
9	轴承压盖Bearing's Press Cover	10	支架 Bear frame	11	油封Oil Seal	12	填料Packing Seal

结构简介 Construction

RY型热油泵为单级悬臂式结构分为脚支撑和中心支撑，泵的进口 为轴向吸入，出口为中心垂直向上。泵和驱动电机通过弹性联轴器合 装于同一底座上。整个机组无需加冷却系统。

主要由壳体、转子、轴承、密封等部分组成，采用填料密封结构 (详见图二),附加耐温油封，起辅助密封的作用。泵与电动机采用 三爪型弹性联轴器联接。

该泵从设计上改变了传统的热油泵结构，采用自然散热的冷却方 式，减少了泵的体积，使结构简单，节约运行费用，安全可靠。

With the single grade swing construction, RY hot oil pump consists of two kinds: foot supporting and core-supporting. The entrance of the pump is axial absorbing, and core straight up for outlet, The pump and the driving motor are instilled together at the same seat through elastic coupling. And the whole machine group doesn't require cooling system.

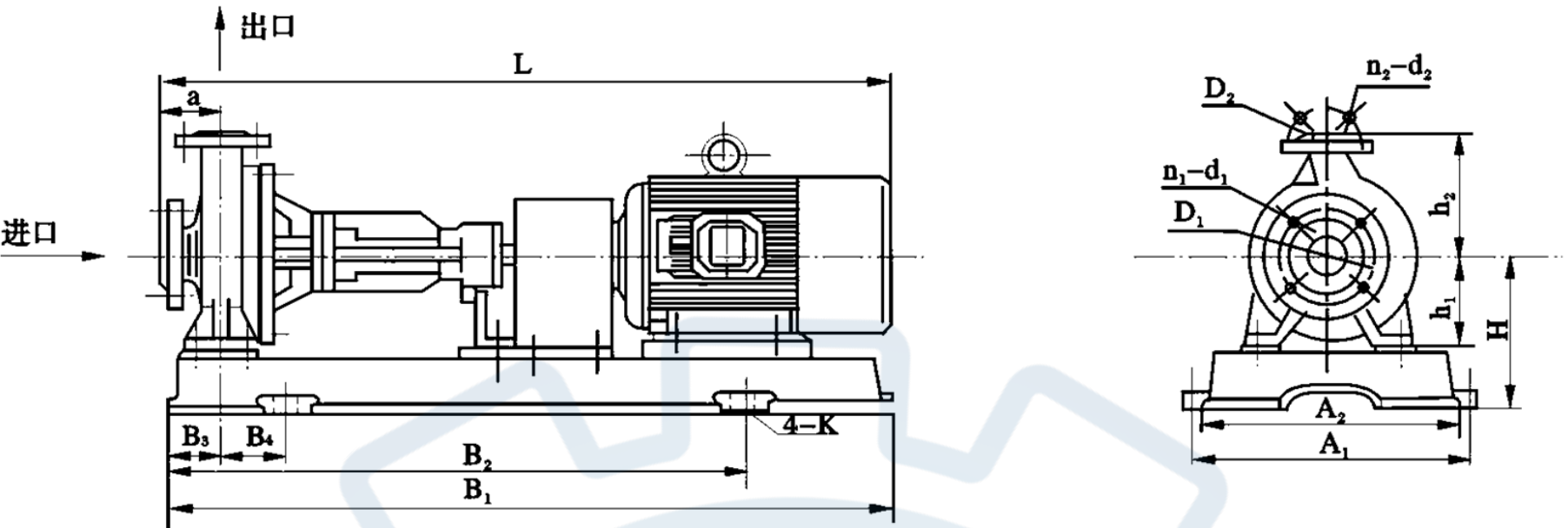
The main parts include:Pump casing,Rotor,Bearing,Seal Parts. The pumps connects motor with tri-pawl elastic coupling.

On the whole,this pump reforms the traditional construction, choosing natural cooling type,reducing the volume,simplifying the constructure and save carrving.

技术参数Technical Specification

型 号Model	流量Capacity (m3/h)	扬程 Head (m)	转速Speed (r/min)	功率Power(kw)		效率 Efficiency %	机座号
				轴功率Shaft (pa)	Motor		
15-15-100	1	10	2800	0.45	0.75	20	801
20-20-100	1	10	2800	0.45	0.75	26	801
20-20-125	1.5	22	2800	0.22	0.75	30	801
40-25-160	10	28	2800	1.72	2.2	45	90L
25-25-160	3	27	2900	0.53	1.5	30	90S
32-32-160	6	28	2900	0.85	1.5	50	90S
50-32-160	12.5	30	2900	1.9	3	57	100L
50-32-200	18	40	2900	3.92	5.5	50	132S1
50-32-200A	16	32	2900	3.35	4	42	112M
50-32-250	12.5	80	2900	6.2	11	44	160M1
60-50-160	20	32	2900	3.17	5.5	55	132S1
65-40-200	30	48	2900	6.3	7.5	62	132S2
65-40-200A	25	35	2900	4	5.5	59	132S1
65-40-250	25	80	2900	10.3	15	53	160M2
65-40-250A	20	51	2900	5.67	7.5	49	132S2
65-40-315	25	125	2900	18.9	30	45	200L1
65-40-315A	22.5	100	2900	15.3	22	40	180M
80-50-200	50	50	2900	9.7	15	70	160M2
80-50-200A	45	40	2900	7.8	11	63	160M1
80-50-200B	40	32	2900	6.37	7.5	55	132S2
80-50-250	50	80	2900	17.1	22	58	180M
80-50-250A	43	60	2900	12.8	15	55	160M2
80-50-315	50	125	2900	30.4	45	56	225M
80-50-315A	45	100	2900	23.6	30	52	200L1
100-65-200	100	50	2900	18.4	22	74	180M
100-65-200A	94	44	2900	16	22	70	180M
100-65-200B	87	38	2900	13.8	15	65	160M2
100-65-200C	80	32	2900	11.8	15	59	160M2
100-65-250	100	80	2900	32.06	37	68	200L2
100-65-250A	95	72	2900	29	37	64	200L2
100-65-250B	90	65	2900	26.2	30	61	200L1
100-65-250C	85	50	2900	20.3	30	57	200L1
100-65-315	100	125	2900	50.06	75	68	280S
100-65-315A	95	113	2900	45.23	55	64.63	250M
100-65-315B	90	100	2900	40.5	55	60.5	250M
100-65-315C	82	84	2900	34.76	45	54	225M
125-100-200	200	50	2900	35.4	45	77	225M
125-100-200A	178	40	2900	26.6	37	73	200L2
125-100-250	200	70	2900	47	55	80	250M
125-100-250A	190	63	2900	41.6	55	78	250M
125-100-250B	180	57	2900	37.9	45	74	225M
125-100-250C	170	51	2900	32.15	45	72	225M
125-100-250D	150	70	2900	40	45	70	225M
150-150-200	350	50	2900	60	75	80	280S
150-150-200A	313	40	2900	45	55	76	250M
200-150-400	350	50	2900	61.8	75	78	280S
200-150-400A	350	45	2900	52.8	75	77	280S
250-200-400	500	50	2900	86.2	110	79	315S
250-200-500	500	80	2900	136	160	76.3	315M
250-200-500A	400	50	2900	75	90	73	280M

结构图 Structure Drawing



泵型号Model	A ₁	A ₂	B ₁	B ₂	B ₃	B ₄	a	H	h ₁	h ₂	D ₁	D ₂	n ₂ -d	n ₂ -d ₂	K	L	
20-20-100	220	195	535	300	117	86	52	120	80	100	65	65	4-φ12	4-φ12	φ16	537	
20-20-125						75	60	125	85	115						608	
25-25-160	300	280	680	410	120	70	75	170	110	150	85	85	4-φ14	4-φ14	φ20	623	
32-32-160								180	120	130	100	100	4-φ16	4-φ16		647	
40-25-160											125	100	4-φ18	4-φ14		670	
50-32-160	400	370	970	600	165	90	85	227	132	160	125	100	4-φ18	4-φ18	φ25	895	
50-32-200							80	255	160	180						145	110
60-40-200							100				985						
65-50-160							80	227	132	160	145	125				965	
50-32-250	440	410	1150	740	205	115	100	270	180	225	125	100	4-φ18	4-φ18	φ25	1070	
80-50-200						110		250	160	200	160	125				1100	
65-40-250	490	460	1280	840	220	130	100	285	180	225	145	110	4-φ18	4-φ18	φ28	1300	
80-50-250							125				160	125	8-φ18	4-φ18		1325	
100-65-200							100				180	145				1300	
65-40-315	550	510	1430	940	245	140	125	305	200	250	145	110	4-φ18	4-φ18	φ28	1432	
100-65-250											180	145	8-φ18			1450	
125-100-200	670	630	1630	1060	285	180	125	335	200		210	180		8-φ18	φ28	1630	
125-100-250							140	360	1673								
80-50-315			1830	1200	315	200	125	390	225	280	160	125	8-φ18	4-φ18		1700	
100-65-315							180				145	1700					
150-150-200							150	480	315	450	240	240	8-φ23			1732	
200-150-400							160				295	240				8-φ23	
250-200-400	860	1010	2150	1200	525	350	200	630	400	470	385	320	12-φ33	12-φ30	φ35	2321	
250-200-500								680	450	540						2572	