

RY SERIES AIR-COOLED HIGH TEMPERATURE CENTRIFUGAL PUMP



■ Brief introduction

With scientific construction and fine performance, it is used in transporting high temperature liquid without solid particles. working temperature is depended on the material of the parts. (the material consists of three kinds: HT200,ZG230-+450, 1Cr18Ni9Ti, OCr19Ni12o2Ti, SS304, SS316).

■ Application scope

1. Petro-chemical industry
2. Oil industry
3. Synthetic-fibre industry
4. Textile dyeing and printing industry
5. Plastic and rubber industry
6. Papermaking industry



7. Timber processing industry

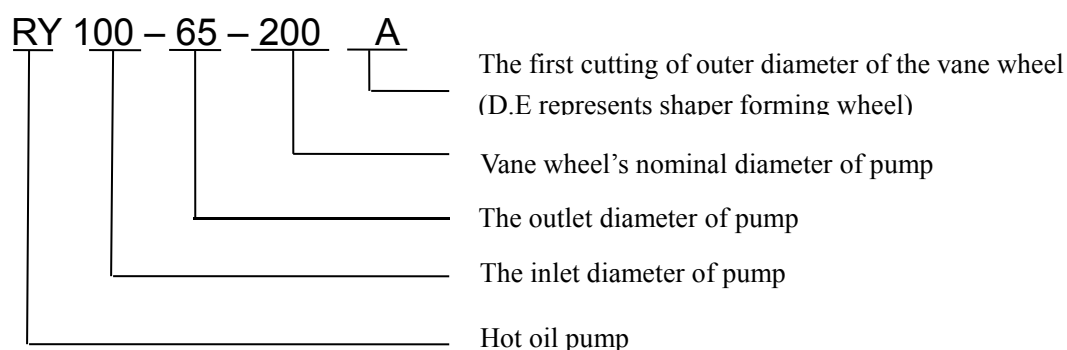
8. Construction and building industry

Besides the above fields, the pumps are also proper in machinery manufacturing, food processing, medicine making and the circling system for oil supplying of the hot oil boiler, the circling system of the heating installation.

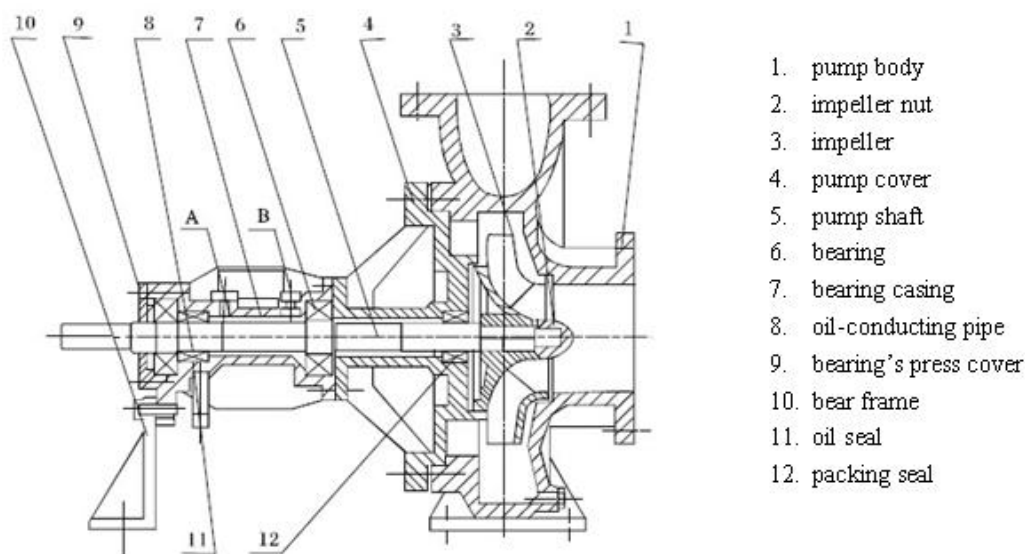
■ Performance scope of RY hot oil pump

1. capacity: 1 ~ 500m³/h
2. head: 10 ~ 125m
3. temperature: -20 ~ 350°C

The sense of the type RY hot oil pump: set RY 100-65-200A as example:



■ Construction



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 riving motor are installed 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 connect motor with tri-pawl elastic coupling.

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

■ Technical data

Model No.	Capacity m ³ /h	Head m	Speed r/min	Power kw		Efficiency %
				Shaft-power	Matched-power	
20-20-100	1	10	2800	0.09	0.75	26
20-20-125	1.5	22	2800	0.22	0.75	30
25-25-160	3	27	2900	0.53	1.5	30



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32-32-160	6	28	2900	0.85	1.5	50
40-25-160	10	28	2900	1.72	2.2	45
50-32-160	12.5	30	2900	1.90	3.0	57
50-32-200	18	40	2900	3.92	5.5	50
50-32-200A	16	32	2900	3.35	4	42
50-32-250	12.5	80	2900	6.2	11	44
65-50-160	20	32	2900	3.17	5.5	55
65-40-200	30	48	2900	6.3	7.5	62
65-40-200A	25	35	2900	4.0	5.5	59
65-40-250	25	80	2900	10.3	15	53
65-40-250A	20	51	2900	5.67	7.5	49
65-40-315	25	125	2900	18.9	30	45
65-40-315A	22.5	100	2900	15.3	22	40
80-50-200	50	50	2900	9.7	15	70
80-50-200A	45	40	2900	7.8	11	63
80-50-200B	40	32	2900	6.37	7.5	55
80-50-250	50	80	2900	17.1	22	58
80-50-250A	43	60	2900	12.8	15	55
80-50-315	50	125	2900	30.4	45	56
80-50-315A	45	100	2900	23.6	30	52
100-65-200	100	50	2900	18.4	22	74
100-65-200A	94	44	2900	16	22	70
100-65-200B	87	38	2900	13.8	15	65
100-65-200C	80	32	2900	11.8	15	59
100-65-250	100	80	2900	32.06	37	68
100-65-250A	95	72	2900	29	37	64
100-65-250B	90	65	2900	26.2	30	61
100-65-250C	85	50	2900	20.3	30	57
100-65-315	100	125	2900	50.06	75	68



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100-65-315A	95	113	2900	45.23	55	64.63
100-65-315B	90	100	2900	40.5	55	60.50
100-65-315C	82	84	2900	34.76	45	54
125-100-200	200	50	2900	35.4	45	77
125-100-200A	178	40	2900	26.6	37	73
125-100-250	200	70	2900	47	55	80
125-100-250A	190	63	2900	41.6	55	78
125-100-250B	180	57	2900	37.9	45	74
125-100-250C	170	51	2900	32.15	45	72
125-100-250D	150	70	2900	40	45	70
125-100-250E	250	75	2900	60	75	75
125-100-315	200	125	2900	86.2	110	80
125-100-315A	180	100	2900	75	90	73
125-100-257	260	70	2900	60	75	72
125-100-270	300	70	2900	75	90	75
150-150-250	340	76	2900	86.2	110	74
150-150-200	350	50	2900	60	75	80
150-150-200A	313	40	2900	45	55	76
150-125-270	340	76	2900	86.2	110	75
150-125-280A	400	78	2900	101.5	132	72
150-125-315	200	32	1450	16.17	22	70
200-150-400	350	50	1450	61.8	75	78
200-150-400A	330	45	1450	52.8	75	77
250-200-400	500	50	1480	86.2	110	79
250-200-500	500	80	1480	136	160	76.5
250-200-500A	400	50	1480	75	90	73