

LYB立式圆弧齿轮泵 LYB Series Vertical Circular Arc Gear Pump



描述Introduction

LYB立式圆弧齿轮泵是YCB齿轮泵的改进版本。LYB立式齿轮泵 适用于输送不含固体颗粒和纤维，无腐蚀性，粘度为 5×10^{-6} m²/s（5-1500cSt）的润滑油或性质类似润滑油的其它液体以及液压传动系统。降低泵的转速，输送介质的粘度可到 5×10^4 cSt。

LYB立式圆弧齿轮泵适用于输送油温200℃以下、无腐蚀性、不含硬质颗粒和纤维的原油、重油、柴油、机械油、植物油等以及性质类似的其它液体。广泛应用于石油、化工、钢铁、冶金、矿业、电站、环保等行业的压缩机、冷冻机、船舶等大型机械设备的强制润滑和各种机械设备中的稀油站系统长期连续工作场合。

LYB立式圆弧齿轮泵主要有齿轮、轴、泵体、安全阀、轴端密封等部件组成，齿轮经热处理有较高的硬度和强度，泵内所有运转部件均利用其输送的介质润滑。

LYB series vertical arc gear pump is an improved version of YCB gear pump. LYB vertical gear pump is suitable for the transport of solid particles and fibers, non-corrosive, viscosity of 5×10^{-6} m²/s (5-1500CST) lubricating oil or other liquids similar to the nature of lubricating oil and hydraulic transmission system. Reduce the speed of the pump, and the viscosity of the conveying medium can reach 5×10^4 cSt.

LYB series vertical circular arc gear pump is suitable for transporting crude oil, heavy oil, diesel oil, machinery oil, vegetable oil and other liquids with similar properties, with oil temperature below 200℃, non-corrosive, free of hard particles and fibers. It is widely used in petroleum, chemical industry, steel, metallurgy, mining, power station, environmental protection and other industries such as compressors, freezers, ships and other large mechanical equipment forced lubrication and various mechanical equipment in the thin oil station system long-term continuous work occasions.

LYB series vertical circular arc gear pump is mainly composed of gear, shaft, pump body, safety valve, shaft end seal and other components, gear has high hardness and strength after heat treatment, all the moving parts in the pump are lubricated by its conveying medium.

型号代码Ordering Code



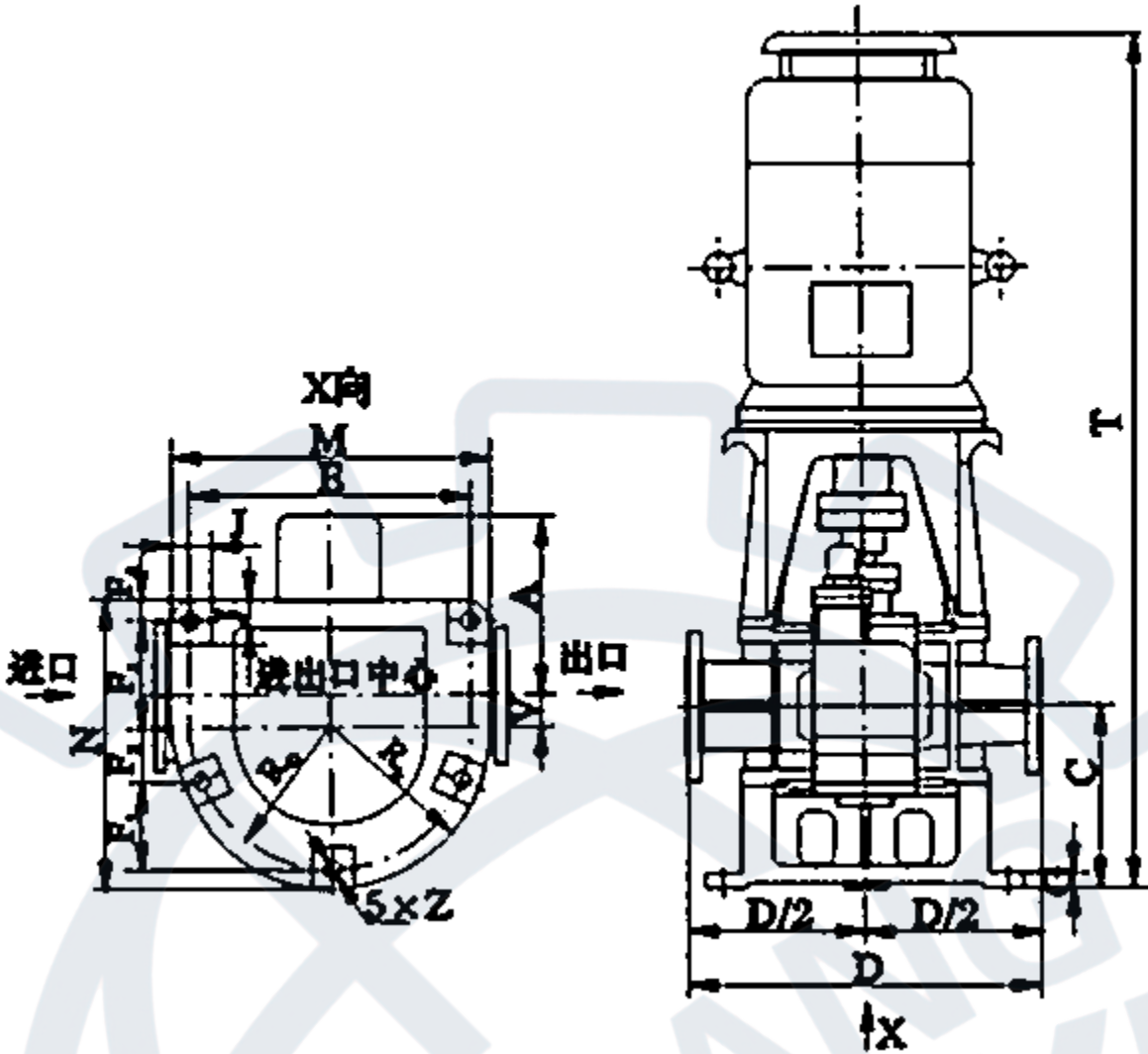
技术参数 Technical Specification

型号 Model	流量 Capacity(m3/h)	转速 Speed (r/min)	排出压力 Pressure(Mpa)	必需汽蚀余量 NPSHr (m)	效率 Efficiency (%)	电动机Motor		
						频率 Frequency(Hz)	功率 Power(Kw)	型号 Model
LYB0.6-0.6	0.6	910	0.6	5.5	32	50	0.75	Y90S-6
	1.0	1390				50	0.75	Y80L2-4
	0.7	1130				60	0.75	Y90S-6
	1.2	1710				60	0.75	Y80L2-4
LYB0.6-1.6	0.6	910	1.6	7.0	70	50	1.1	Y90L-6
	1.0	1400				50	1.5	Y90L-4
	0.7	1130				60	1.1	Y90L-6
	1.2	1710				60	1.1	Y90S-4
LYB1.6-0.6	1.6	910	0.6	5.5	42	50	0.75	Y90S-6
	2.5	1400				50	1.1	Y90S-4
	1.9	1130				60	1.1	Y90L-6
	3.0	1710				60	1.5	Y90L-4
LYB1.6-1.6	1.6	940	1.6	7.0	71	50	2.2	Y112M-6
	2.5	1440				50	4	Y112M-4
	1.9	1150				60	2.2	Y112M-6
	3.0	1750				60	4	Y112M-4
LYB3.3-0.6	3.3	940	0.6	5.0	60	50	1.5	Y100L-6
	5.0	1420				50	2.2	Y100L1-4
	4.0	1150				60	1.5	Y100L-6
	6.0	1730				60	2.2	Y100L1-4
YCB3.3-1.6	3.3	960	1.6	7.0	72	50	5.5	Y132M2-6
	5.0	1440				50	7.5	Y132M-4
	4.0	1170				60	4	Y132M1-6
	6.0	1750				60	7.5	Y132M-4
LYB4-0.6	4.0	940	0.6	5.0	60	50	1.5	Y100L-6
	6.0	1420				50	2.2	Y100L1-4
	4.8	1150				60	2.2	Y112M-6
	7.2	1730				60	3	Y100L2-4
LYB4-1.6	4.0	960	1.6	7.0	72	50	5.5	Y132M2-6
	6.0	1440				50	7.5	Y132M-4
	4.8	1170				60	5.5	Y132M-6
	7.2	1750				60	7.5	Y132M-4
LYB8-0.6	8.0	960	0.6	5.0	61	50	3	Y132S-6
	12.0	1440				50	5.5	Y132S-4
	9.6	1170				60	4	Y132M1-6
	14.4	1750				60	5.5	Y132S-4
LYB8-1.6	8.0	970	1.6	7.0	75	50	11	Y160L-6
	12.0	1460				50	15	Y160L-4
	9.6	1170				60	11	Y160L-6
	14.4	1760				60	15	Y160L-4
LYB10-0.6	10.0	960	0.6	5.0	62	50	4	Y132M1-6
	15.0	1440				50	5.5	Y132S-4
	12.0	1170				60	5.5	Y132M2-6
	18.0	1750				60	7.5	Y132M-4

技术参数 Technical Specification

型号 Model	流量 Capacity(m3/h)	转速 Speed (r/min)	排出压力 Pressure(Mpa)	必需汽蚀余量 NPSHr (m)	效率 Efficiency (%)	电动机Motor		
						频率 Frequency(Hz)	功率 Power(Kw)	型号 Model
LYB10-1.6	10.0	970	1.6	7.0	76	50	11	Y160L-6
	15.0	1470				50	15	Y160L-4
	12.0	1170				60	11	Y160L-6
	18.0	1770				60	18.5	Y160L-4
LYB20-0.6	20.0	970	0.6	5.0	68	50	7.5	Y160M-6
	24.0	1170				60	7.5	Y160M-6
LYB25-0.6	25.0	970	0.6	5.5	69	50	11	Y160L-6
	30.0	1170				60	11	Y160L-6
LYB30-0.6	30.0	970	0.6	5.5	70	50	11	Y160L-6
	36.0	1170				60	11	Y160L-6
LYB40-0.6	40.0	970	0.6	5.5	72	50	15	Y180L-6
	48.0	1180				60	15	Y180L-6
LYB50-0.6	50.0	970	0.6	5.5	72	50	22	Y200L2-6
	60.0	1180				60	22	Y200L2-6
LYB65-0.6	0.6	910	0.6	5.5	32	50	0.75	Y90S-6
	1.0	1390				50	0.75	Y80L2-4
	0.7	1130				60	0.75	Y90S-6
	1.2	1710				60	0.75	Y80L2-4
LYB65-1.6	0.6	910	1.6	7.0	70	50	1.1	Y90L-6
	1.0	1400				50	1.5	Y90L-4
	0.7	1130				60	1.1	Y90L-6
	1.2	1710				60	1.1	Y90S-4
LYB80-0.6	1.6	910	0.6	5.5	42	50	0.75	Y90S-6
	2.5	1400				50	1.1	Y90S-4
	1.9	1130				60	1.1	Y90L-6
	3.0	1710				60	1.5	Y90L-4
LYB80-1.6	1.6	940	1.6	7.0	71	50	2.2	Y112M-6
	2.5	1440				50	4	Y112M-4
	1.9	1150				60	2.2	Y112M-6
	3.0	1750				60	4	Y112M-4
LYB90-0.6	3.3	940	0.6	5.0	60	50	1.5	Y100L-6
	5.0	1420				50	2.2	Y100L1-4
	4.0	1150				60	1.5	Y100L-6
	6.0	1730				60	2.2	Y100L1-4
LYB90-1.6	3.3	960	1.6	7.0	72	50	5.5	Y132M2-6
	5.0	1440				50	7.5	Y132M-4
	4.0	1170				60	4	Y132M1-6
	6.0	1750				60	7.5	Y132M-4
LYB100-0.6	4.0	940	0.6	5.0	60	50	1.5	Y100L-6
	6.0	1420				50	2.2	Y100L1-4
	4.8	1150				60	2.2	Y112M-6
	7.2	1730				60	3	Y100L2-4
LYB100-1.6	4.0	960	1.6	7.0	72	50	5.5	Y132M2-6
	6.0	1440				50	7.5	Y132M-4
	4.8	1170				60	5.5	Y132M-6
	7.2	1750				60	7.5	Y132M-4

外形安装尺寸Outline Dimension



型式 Model	外形尺寸(mm)Overall Dimension																
	A	C	D	E	F1	F2	F3	F4	G	J	Rk	M	N	Ro	T	V	Z
LYB-0.6	134	120	230	-	-	-	-	-	15	-	-	220	205	111		12	Φ14
LYB-1.6		120	240	174	52.5	50	50	22.5	20	-	-	200	197	-	-	-	-
LYB-3.3	-	143	280	275	135	67.5	67.5	40	25	80	-	320	355	-	-	-	-
LYB-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LYB-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LYB-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LYB-20 LYB- 25	250	253	500	400	125	75	150	25	20	60	225	450	400	200	120I	45	Φ23
															1246		
LYB-30	268	265	500	400	125	75	150	25	20	60	225	450	400	200	1259	45	Φ23
LYB-40	354	300	620	510	160	95	200	25	25	70	280	560	505	255	1404	53	Φ23
LYB-50	354	290	620	510	160	95	200	25	25	70	280	560	505	255	-	53	Φ23
LYB-65	-	330	720	620	200	110	235	30	-	70	335	670	600	310	-	62	Φ24
LYB-80	-	350	720	620	200	110	235	30	-	70	335	670	600	310	-	62	Φ24
LYB-90	-	350	720	620	200	110	235	30	-	70	335	670	600	310	-	62	Φ24
LYB-100	-	417	780	680	215	125	250	30	-	80	370	740	650	340	-	70	Φ28
LYB-150	-	440	780	680	215	125	250	30	-	80	370	740	650	340	-	70	Φ28
LYB-175	-	475	780	680	215	125	250	30	-	80	370	740	650	340	-	70	Φ28
LYB-200	-	475	780	680	215	125	250	30	-	80	370	740	650	340	-	70	Φ28