2CY型系列齿轮油泵

适用范围

适用于输送不含固体颗粒和纤维、无腐蚀性、温度不高于 120℃，粘度为5~1500 cst的润滑油或性质类似润滑油的其他液体，并适用于液压传动系统。

Sco pe of application

Apply to transmit the lubricating oil and other liquids with the features like lubricating oil without the solid particles, fiber, corrosiveness and the temperature thereof should not be higher than 80℃and the viscosity is 5~1500cst. In addition, it can also apply to the hydraulic drive system.

用途

在输油系统中可用作传输、增压泵。

Application

在液压传动系统中可用作液压动力的液压泵。在一切工业领域中，均可作润滑油泵用。

Can be used as transmission and blower pump in the oil transportation system.

Can be used as the transmission, inflating and jet fuel pump in the fuel system.

Can be used as the hydraulic pump for providing hydraulic power in the hydraulic power system.

Can be used as lubricating oil pump in all industrial fields.

结构特点

2CY 型系列齿轮油泵主要由齿轮、轴、泵体、泵盖、轴承套、轴端密封等部件组成。齿轮及轴均经热处理，有较高的硬度和耐磨性。泵内所有运转部件均利用其输送的介质润滑。

Structural features

泵内四个轴承套在泵体内浮动安装，随工作压力大小自动调整端面间隙，因此泵的压力稳定，输出流量脉动小，容积效率高。

●The series gear pump is mainly composed of such components as gear, axle, pump body, bearing housing and shaft seal, etc. After thermal treatment, both the gear and axle have comparatively higher hardness and wear resistance and all the operating components take advantage of the transmitted media to lubricate. The bearing housing in the pump installed fluctuate and the side clearance can be automatically adjusted according to the working pressure. As such, the pump has such characteristics of stable pressure, small output flow pulsation and high volumetric efficiency.

性能参数Performance parameter

型号 Model	流量 Rate of flow		口径 Caliber	转速 r/min Rotate speed	排出压力 Mpa Discharge pressure	必需汽蚀余量 The required net positive suction head m	效率% Efficiency	电动机 Electromotor		质量 kg Quality
	m^3/h	1/min						功率kw Power	型号 Model	
2CY-1.08/2.5	1.08	18	G″	1420	2.5	9.5	58	2.2	$Y100L_1-4$	56
2CY-2.1/2.5	2.1	35	G1 ″	1420	2.5	9.5	58	3	$Y100L_2-4$	64
2CY-3/2.5	3	50	G1 ″	1440	2.5	9.5	59	4	Y112M-4	121
2CY-4.2/2.5	4.2	70	G1″	1440	2.5	9.5	59	5.5	Y132S-4	135
2CY-7.5/2.5	7.5	125	G1″	1440	2.5	9.5	63	7.5	Y132M-4	63
2CY-12/2.5	12	200	G2 ″	1460	2.5	9.5	63	15	Y160M-4	173
2CY-15	15	250	G2″	1440	0.6		70	7.5	Y132M-4	
				1460	25			15	Y160L-4	