

QPQ Type electric Hoist

Product Introduction

The winch type hoist is composed of a frame, a lifting mechanism, and an electrical control system. The lifting mechanism is mainly composed of a pulley group, a rolling mill group, a driving device (including a formal gear pair, a reducer brake, an electric motor, etc.), and safety devices. The hoist is connected to the gate through a lifting device located on the moving pulley of the pulley group to open and close the gate. The working principle is that the electric motor drives the brake wheel coupling and reducer to drive the open gear pair and the rolling mill to rotate. The steel wire rope on the rolling mill is then lifted and lowered by the pulley and balance pulley.



Product features

The QH type hoist surface hole radial gate winch has the advantages of beautiful appearance, compact structure, easy installation, safe operation, flexible opening and closing, smooth operation, reliable quality, large bearing capacity, high work efficiency, long service life, and low maintenance costs. Compared with QP and QPK types of hoisting machines, the QH type surface hole radial gate hoisting machine has a complex structure, a large transmission mechanism size speed ratio, a large rope tension, a thick diameter, and a large weight (three times the weight of the QPK type of hoisting force of the same specification), high cost, and low working head.

Basic Parameter

Opening and closing machine model		QPQ-2×60	QPQ-60	QPQ-2×80	QPQ-80	QPQ-2×100	QPQ-100	QPQ-2×120
Opening force (t)		12	6	16	8	20	10	24
Door opening height	H1	8	8	8	8	8	8	8
	H2	13	13	13	13	13	13	13
Opening and closing speed (m/min)		1.37	1.41	2.15	2.07	2.25	2.17	2.41
Drum (m) (m)		250	250	300	300	300	300	300
Steel Wire Rope Special Light Right Intersection		6W(19)-12-155	6W(19)-12-155	6W(19)-13-155	6W(19)-13-155	6W(19)-14-155	6W(19)-14-155	6W(19)-16-155
Motor	Model	Y132M-6	Y112M-6	Y132M-6	Y132M1-6	Y160M-6	Y132M1-6	Y160L-6
	Power (KW)	4	2.2	5.5	4	7.5	4	11
Reducer	Model	ZQ-25	ZQ-25	ZQ-25	ZQ-25	ZQ-25	ZQ-25	ZQ-25
	speed ratio	40.17	40.17	40.17	40.17	38.37	40.17	48.57
Brakes	Model	TJz-200	TJs-200	TJ2-200	TJa-200	TJa-200	TJa-200	TJs-200
	moment (N·m)	160	160	160	160	160	160	160
Moving pulley ratio		2	2	2	2	2	2	2
Open gear ratio		4.85	4.85	4.85	4.85	4.85	4.85	5.11
Weight (T)		1.9	1.12	2.18	1.34	2.25	1.4	3.4
Hanging point distance (m)		18-6.5		18-6.5		18-6.5		18-6.5