

Heavy Duty Hoist

DH-1200

- Heavy duty series wound motor gives high torque and fast line speed
- Detachable control box mounted elsewhere on the vehicle
- High efficiency 3-stage planetary gear train for greater pulling force
- The U.S. Germany, U.K., France, etc patents automatic, full-load cone holds full load brake
- In compliance with standard of ANSI B30.5, D/d ≥ 18, and wire rope safety factor ≥ 3.5
- Provides an answer to the health and safety recommendations for manual lifting

SPECIFICATION

Lifting Load.....	545 kg / 1,200 lb
Motor	900 w / 1.2 hp for 12V DC
.....	600 w / 0.8 hp for 24V DC
Gear Train	3 stage planetary gears
Gear Ratio.....	216 : 1
Brake.....	automatic, full load cone brake PLUS auxiliary inverted current brake
Wire Rope Size	ø4.8 x 18.3 m (3/16" x 60')
Wire Rope Type	galvanized aircraft A7 x 19
Drum Size	ø89 x 72.7 mm (ø3.5" x 2.86")
Mounting bolt pattern	101.6 mm x 114 mm (4" x 4.5")

LINE SPEED AND AMP. DRAW

(1 st layer of wire rope on the drum)

Lifting Load	Line Speed	Amp. Draw	Percentage Duty Cycle
kg / lb	mpm / fpm	12V / 24V	% ED
0 / 0	12.5 / 41	60 / 35	25
110 / 250	9.5 / 31.2	75 / 50	23
230 / 500	8.0 / 26.2	100 / 60	20
340 / 750	7.0 / 23.0	120 / 68	18
450 / 1,000	6.0 / 19.7	135 / 75	15
545 / 1,200	5.5 / 18.0	150 / 80	13

LIFTING LOAD, LINE SPEED AND ROPE CAPACITY

Layer of Wire Rope	Lifting Load	Line Speed	Total Rope on the Drum
	kg / lb	mpm / fpm	m / ft
1st Layer	545 / 1,200	5.5 / 18	4.2 / 13.8
2nd Layer	494 / 1,089	6.1 / 20.0	8.8 / 28.9
3rd Layer	452 / 996	6.6 / 21.7	13.8 / 45.3
4th Layer	417 / 919	7.2 / 23.6	18.3 / 60.0

PACKAGE

Winch Weight.....	13.8 kg / 30.4 lb
Gross Weight	22 kg / 48.4 lb
Box Dimension	440 x 287 x 193 mm (17.3" x 11.3" x 7.6")

WARNING

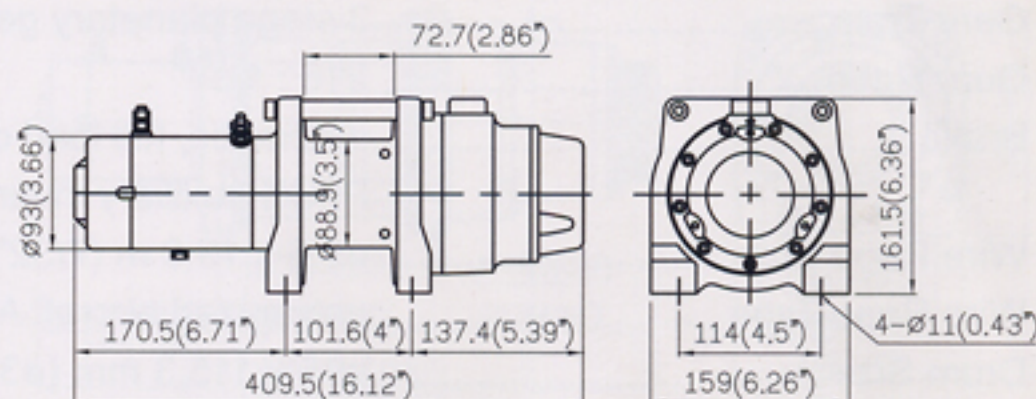
Hoist are not to be used for the lifting or moving of persons

WARRANTY

Each new hoist is guaranteed against defects in workmanship and material defects for a period of twelve months from date of purchase.



DIMENSION mm / in



PERCENTAGE DUTY CYCLE

Calculate the percentage duty cycle according to the following formula

$$\text{Percentage duty cycle (\%ED)} = \frac{T_b}{T_b + T_s} \times 100\%$$

T_b : total sum of overall loading operating hours

T_s : total sum of stopping hours

T_b+T_s= approximately 1 to 10 min

STANDARD ACCESSORIES

- Wire rope with hook
- Remote control WA-0310
- Detachable solenoid pack WA-0817

