

# Classified introduction

BXC BWP BHX BDGS BDGZ BJT BTL



BATTERY POWERED TRANSFER CAR



The BXC series transfer car is powered by battery. The battery is installed inside the car. The current is supplied to pulling motor through electric control system, which makes the car start, stop, move forward, move backward, turn around, change speed, etc. The BXC series transfer car is able to run between two perpendicular tracks and the car is also could run on L-form track or S-form track or curved track. The BXC transfer car is available in inflammable and explosive environment or used as ferry car. Also, we will supply various types hydraulic elevating platform if you need. The start-up of DC motors installed in the car is smooth with high torque and low voltage, so the impact force to reducer is much weaker. In the same time, the service life of the motors is much longer than usual type. The BXC series transfer car is suitable for all kinds of transport occasion since its travel distance is unlimited and low requirement to the track. But the battery needs regular maintenance. And the using time is limited depending on the battery capacity.



BXC



FRONT



SIDE/BACK (INNER)

ELECTRICAL CABINET

EXPLOSION-PROOF  
MOTOR

ANGLE BOX WHEEL

BATTERY HOLE

CHARGER ON BOARD



F-SERIES  
REDUCER



DC controller



Explosion-proof DC motor



Angle box wheels



Lead acid battery



Maintenance-free battery



F-series reducer



Charger on board

| Model                                  |        | BXC-2t | BXC-5t | BXC-10t | BXC-16t | BXC-20t | BXC-25t | BXC-30t | BXC-40t | BXC-50t | BXC-63t | BXC-80t | BXC-100t | BXC-150t |
|----------------------------------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| Rated Load ( t )                       |        | 2      | 5      | 10      | 16      | 20      | 25      | 30      | 40      | 50      | 63      | 80      | 100      | 150      |
| Table Size(mm )                        | Length | 2000   | 3500   | 3600    | 4000    | 4000    | 4500    | 4500    | 5000    | 5500    | 5600    | 6000    | 6500     | 10000    |
|                                        | Width  | 1500   | 2000   | 2000    | 2000    | 2200    | 2200    | 2200    | 2500    | 2500    | 2500    | 2600    | 2800     | 3000     |
|                                        | Height | 450    | 500    | 500     | 550     | 550     | 600     | 600     | 650     | 650     | 700     | 800     | 900      | 1200     |
| Wheel Base ( mm )                      |        | 1200   | 2500   | 2600    | 2800    | 2800    | 3200    | 3200    | 3800    | 4200    | 4300    | 4700    | 4900     | 7000     |
| Rail Inner Gauge ( mm )                |        | 1200   | 1435   | 1435    | 1435    | 1435    | 1435    | 1435    | 1435    | 1435    | 1435    | 1800    | 2000     | 2000     |
| Wheel Diameter ( mm )                  |        | Φ270   | Φ300   | Φ300    | Φ350    | Φ350    | Φ400    | Φ400    | Φ500    | Φ500    | Φ600    | Φ600    | Φ600重    | Φ600     |
| Wheel Quantity                         |        | 4      | 4      | 4       | 4       | 4       | 4       | 4       | 4       | 4       | 4       | 4       | 4        | 8        |
| Ground Clearance ( mm )                |        | 50     | 50     | 50      | 50      | 50      | 50      | 50      | 50      | 50      | 75      | 75      | 75       | 75       |
| Running Speed ( m/min )                |        | 0-25   | 0-25   | 0-25    | 0-20    | 0-20    | 0-20    | 0-20    | 0-20    | 0-20    | 0-20    | 0-20    | 0-20     | 0-18     |
| Motor Power ( Kw )                     |        | 1      | 1.2    | 1.6     | 2       | 2.2     | 3       | 3.5     | 4       | 5       | 6.3     | 8       | 10       | 15       |
| Battery Capacity ( Ah )                |        | 180    | 180    | 160     | 180     | 180     | 250     | 250     | 300     | 330     | 400     | 400     | 440      | 600      |
| Battery Voltage ( V )                  |        | 24     | 36     | 48      | 48      | 48      | 48      | 48      | 48      | 48      | 48      | 72      | 72       | 72       |
| Running Time When Full Load            |        | 4.32   | 5.4    | 4.8     | 4.3     | 4       | 4       | 3.5     | 3.6     | 3.3     | 3       | 3.6     | 3.2      | 2.9      |
| Running Distance for One Charge ( Km ) |        | 6.5    | 8.1    | 7.2     | 5.1     | 4.8     | 4.8     | 4.2     | 4.3     | 4       | 3.6     | 4.3     | 3.8      | 3.2      |
| Max Wheel Load ( KN )                  |        | 14.4   | 25.8   | 42.6    | 64.5    | 77.7    | 94.5    | 110.4   | 142.8   | 174     | 221.4   | 278.4   | 343.8    | 265.2    |
| Reference Weight ( t )                 |        | 2.8    | 3.6    | 4.2     | 5.5     | 5.9     | 6.5     | 6.8     | 7.6     | 8       | 10.8    | 12.8    | 14.6     | 26.8     |
| Recommended Rail Model                 |        | P15    | P18    | P18     | P24     | P24     | P38     | P38     | P43     | P43     | P50     | P50     | QU100    | QU100    |

**Notes** 1.Load capacity, table size and rail gauge can be customized; 2.Options: Remote radio control, remote control by person, limit switches(to limit travel); 4.Battery type(Free of maintenance Battery, Lithium battery, Explosion-proof battery, and Anti- high temperature battery); 5.motor(DC motor with brush and DC motor brushless); 6.Electrical parts(imported or made in China).

BXC

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