STANDARD MACHINERY

PRODUCT DATASHEET

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2 HP Double Drum Electric Winch with Bonfiglioli Brake Motor – 1.5 kW, 415 V, Imported, Refurbished & Tested

BONFIGLIOLI

SKU
SM-DDW-BON-2HP

CATEGORY
Winch, Hoist & Chain Block

● In Stock

Chat on WhatsApp

Request pricing and availability on WhatsApp with the product details pre-filled.

- ✓ Twin grooved rope drums on a common through shaft
- ✓ Bonfiglioli BN 90LA FD brake motor, 1.5 kW (2 HP)
- ✓ Built-in DC brake with 26 Nm braking torque
- ✓ Rated 380–415 V star, 50 Hz, suitable for Indian 415 V supply
- ✓ S1 continuous duty motor with class F insulation and IP54 protection
- ✓ Vertical flange-mounted motor on a right-angle gearbox
- ✓ Pillow block bearings at both shaft ends
- ✓ Imported industrial unit, refurbished and tested before dispatch

Technical Specifications

Manufacturer	Bonfiglioli
SKU	SM-DDW-BON-2HP
Product Type	Double Drum Electric Winch
Condition	Imported, Refurbished & Tested
Model	BN 90LA FD
Type	3 Phase Brake Motor
Motor Power	1.5 Kw
Motor Power	2 HP
Voltage	380~415 V

Frequency	50/60 Hz
Current	3.9 A
Duty	S1
Protection	IP54
Motor Speed	1390 RPM
Brake Type	DC Electromagnetic
Brake Torque	26 Nm
Brake Supply	230 V AC
Motor Mounting	IM B5 Flange (Vertical)
Drums	2 (Grooved) Nos
Shaft Support	Pillow Block Bearings

Product Description

2 HP Double Drum Electric Winch with Bonfiglioli Brake Motor

This **imported double drum electric winch** has **two grooved rope drums** on a common through shaft, one on each side of a central gearbox. It is driven by a **Bonfiglioli BN 90LA FD brake motor** rated **1.5 kW (2 HP)**, mounted vertically on a **right-angle gearbox**. The shaft ends run in pillow block bearings, and the gearbox sits on a steel base. It is supplied by Standard Machinery in **Imported, Refurbished & Tested** condition.

The motor has a built-in **DC electromagnetic brake (26 Nm)**. When power is cut, the brake engages automatically and holds the drums. The twin-drum layout lets two ropes be wound or paid out together, which is useful for balanced pulling, gate and shutter operation, or two-point hauling.

Key Specifications

- **Type:** Double drum electric wire rope winch on a common shaft
- **Motor:** Bonfiglioli BN 90LA FD three phase brake motor
- **Motor power:** 1.5 kW (2 HP)
- **Voltage:** 230/400 V Δ/Y (220–240 V Δ / 380–415 V Y), ±10%
- **Frequency:** 50 Hz
- **Rated current:** 3.8 A at 400 V Y; 3.9 A at 380–415 V Y; 6.6–6.8 A at 230 V Δ
- **Motor speed:** 1390 RPM
- **Power factor (cos φ):** 0.76
- **Brake:** DC brake, 26 Nm braking torque, brake supply 230 V AC ±10%
- **Duty / insulation:** S1 continuous duty, insulation class F
- **Motor protection:** IP54
- **Motor mounting:** IM B5 flange, vertical on the gearbox
- **Drums:** Two grooved rope drums with side flanges
- **Shaft support:** Pillow block bearings at both ends
- **Condition:** Imported, Refurbished & Tested

Applications

- Sluice gate, canal gate and dam gate operation
- Two-point lifting or pulling of frames, platforms and shutters
- Material hauling in workshops, yards and construction sites
- Slipway and boat hauling in marine yards
- Conveyor and take-up tensioning systems
- Custom machine builds needing a twin-rope drive

Industries Served

- Irrigation, water supply and hydro projects
- Construction and infrastructure
- Marine, ports and ship repair
- Steel, fabrication and heavy engineering
- Material handling and machine builders
- Process and manufacturing plants

Why Buy from Standard Machinery

- **Branded brake motor:** Bonfiglioli BN series motor with a built-in DC brake
- **Imported industrial equipment:** Sourced from the Alang Ship Breaking Yard and refurbished in Bhavnagar, Gujarat
- **Tested before dispatch:** Each winch is run and checked before it leaves our facility
- **Ready-built twin-drum package:** Motor, gearbox, drums and bearings come assembled
- **Experience since 2008:** Supplying winches, hoists, gear motors and electrical panels to industrial buyers
- **Pan-India and export supply:** Dispatch across India and to buyers in Africa, the Middle East and Southeast Asia

Voltage & Power Note

The motor is rated **380–415 V star (Y), 50 Hz**, which matches standard Indian 415 V, 50 Hz three phase supply directly. It draws about **3.9 A** at full load on 415 V. The motor can also be connected in delta for a 220–240 V three phase supply.

The brake coil needs a **230 V AC** supply (rectified internally), connected as per the motor wiring diagram. The motor is rated for 50 Hz. Buyers in 60 Hz countries should contact us before ordering, since speed and brake behaviour will differ on 60 Hz. Use a forward/reverse starter with an overload relay and an emergency stop.

Safety Note

Before any lifting or pulling use, the winch's line pull / safe working load (SWL), brake and wire ropes must be inspected, load-tested and certified by a competent person as per local regulations.

- Check that the motor brake holds the full load before putting the winch into service
- Use wire rope of the correct size and grade for the drum grooves and the working load
- Keep the minimum dead turns of rope on each drum at all times
- Bolt the gearbox base and both bearing blocks to one rigid foundation so the shaft stays aligned
- Fit guards over the rotating drums and shaft
- Not for man-riding or lifting persons, and not certified for explosive or flammable atmospheres

Maintenance Tips

- Check gearbox oil level and change oil at the intervals given for the gear unit
- Grease the pillow block bearings regularly
- Check the brake air gap and brake holding as per the motor manual
- Inspect both wire ropes for broken wires, kinks, corrosion and crushing
- Check shaft alignment and foundation bolt tightness periodically
- Keep the motor cooling fins and fan cover clean

Frequently Asked Questions

Which motor is fitted on this winch?

The winch uses a Bonfiglioli BN 90LA FD three phase brake motor, rated 1.5 kW (2 HP), 1390 RPM, with a 26 Nm DC brake.

Will this winch run on Indian 415 V supply?

Yes. The motor is rated 380–415 V in star connection at 50 Hz, which matches standard Indian three phase supply. Full-load current is about 3.9 A.

What is the advantage of a double drum winch?

Both drums turn together on one shaft, so two ropes are wound or released at the same time. This is useful for balanced two-point pulling and for operating gates or shutters evenly.

Does the winch have a brake?

Yes. The motor has a built-in DC electromagnetic brake with 26 Nm braking torque. It engages automatically when power is switched off.

Can this winch be used for lifting?

Only after its SWL, brake and wire ropes are inspected, load-tested and certified by a competent person. It must never be used for lifting persons.

Do you export?

Yes. Standard Machinery supplies across India and exports to Africa, the Middle East and Southeast Asia. Contact us for export packing and shipping details.

Looking for a double drum electric winch with a reliable brake motor? Contact Standard Machinery, Bhavnagar, Gujarat, at +91 9898 398 786 / +91 73837 39400 or info@standardmachinery.store for price, photos and availability.

Compatibility

- Power supply: 3 phase, 380–415 V (star) or 220–240 V (delta), 50 Hz
- Full-load current: approx. 3.9 A at 380–415 V
- Brake supply: 230 V AC ±10%, wired as per motor diagram
- Starter: Forward/reverse (DOL reversing) starter with overload relay
- Protection: Suitable MCB/MPCB and emergency stop on the incoming supply
- Mounting: Gearbox base and both bearing blocks on one rigid foundation
- Wire rope: Two steel wire ropes matched to drum groove size and working load
- Duty: Industrial pulling, hauling and gate operation, non-hazardous areas
- Not suitable for: Man-riding, or explosive or flammable atmospheres

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