STANDARD MACHINERY

PRODUCT DATASHEET

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Demag PK 5L-F Electric Chain Hoist 1 Ton – Two Speed, 380 V 3 Phase, Made in Germany, Imported, Refurbished & Tested

DEMAG

SKU

SM-ECH-DEMAG-PK5L

CATEGORY

Winch, Hoist & Chain Block

● In Stock

Chat on WhatsApp

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

- ✓ Genuine Demag PK 5L-F chain hoist, made in Germany
- ✓ 1000 kg capacity in 2-fall configuration, with 1000 kg bottom block
- ✓ Two lifting speeds: 7.5 m/min main and 1.9 m/min fine (2-fall)
- ✓ Two-speed 3 phase motor, 1.5 / 0.35 kW
- ✓ Rated 380 V star / 220 V delta, 50 Hz
- ✓ Special high-strength 7 × 21 mm load chain
- ✓ S4 intermittent duty rating for frequent starts
- ✓ Imported, refurbished and tested before dispatch

Technical Specifications

Manufacturer	DEMAG
SKU	SM-ECH-DEMAG-PK5L
Model	PK 5L-F
Origin	Germany
Product Type	Two-Speed Electric Chain Hoist
Condition	Imported, Refurbished & Tested
Capacity (2-Fall, as supplied)	1000 kg
Capacity (1-Fall)	500 kg

Main Lift Speed (2-Fall)	7.5 m/min
Fine Lift Speed (2-Fall)	1.9 m/min
Main Lift Speed (1-Fall)	15 m/min
Fine Lift Speed (1-Fall)	3.8 m/min
Motor Power	1.5 / 0.35 kW
Phase	3 Phase
Voltage	440 V
Current	3.9 / 3.2 A
Motor Speed	2880 / 700 RPM
Duty	S4 – 20% ED / 250 c/h
Insulation Class	E
Load Chain	7 × 21 mm
Suspension	Top Eye

Product Description

Demag PK 5L-F Electric Chain Hoist – 1 Ton, Two Speed, Made in Germany

This is a genuine **Demag electric chain hoist, model PK 5L-F**, made in Germany. It is supplied in the **2-fall configuration rated 1000 kg**, with a matching **1000 kg bottom hook block**. The same hoist is rated 500 kg in single-fall configuration. It is supplied by Standard Machinery in **Imported, Refurbished & Tested** condition.

The hoist has **two lifting speeds**: a main speed for normal lifting and a slow fine-lift (creep) speed for accurate positioning. This makes it well suited to setting dies, fitting machine parts and placing loads precisely. The nameplate also states that it uses a tested, high-strength, high-wear-resistance special load chain, size 7 × 21 mm.

Key Specifications

- **Brand / model:** Demag PK 5L-F (Demag-Kettenzug), Made in Germany
- **Capacity:** 1000 kg with 2 chain falls (as supplied); 500 kg with 1 chain fall
- **Main lifting speed:** 7.5 m/min (2-fall); 15 m/min (1-fall)
- **Fine lifting speed:** 1.9 m/min (2-fall); 3.8 m/min (1-fall)
- **Motor:** 3 phase, two-speed, 1.5 / 0.35 kW (approx. 2 / 0.5 HP)
- **Voltage:** 220 V Δ / 380 V Y, 50 Hz
- **Current:** 3.9 / 3.2 A at 380 V Y; 6.75 / 5.5 A at 220 V Δ
- **Power factor (cos φ):** 0.80 / 0.47
- **Motor speed:** 2880 / 700 RPM
- **Duty:** S4, 20% ED at 250 starts/hour, 10% ED at 500 starts/hour
- **Insulation class:** E
- **Load chain:** Special high-strength chain, 7 × 21 mm
- **Suspension:** Top suspension eye
- **Condition:** Imported, Refurbished & Tested

Applications

- Die and mould setting in press shops, using the fine-lift speed
- Lifting and positioning motors, pumps and gearboxes
- Machine assembly and maintenance lifting
- Loading and unloading at stores and dispatch bays
- Mounting on a beam trolley or light crane
- Pump house and plant room maintenance

Industries Served

- Engineering, press and machine shops
- Tool rooms and die shops
- Foundries and fabrication workshops
- Textile, plastic and packaging plants
- Power, water and process plant maintenance
- Warehousing and logistics

Why Buy from Standard Machinery

- **Genuine German Demag hoist:** Original nameplate and "Made in Germany" casting
- **Two-speed lifting:** Main and fine speeds for precise load placement
- **Imported industrial equipment:** Sourced from the Alang Ship Breaking Yard and refurbished in Bhavnagar, Gujarat
- **Tested before dispatch:** Each hoist is run up and down before it leaves our facility
- **Experience since 2008:** Supplying hoists, winches, 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 V star (Y), 50 Hz**. Indian three phase supply is nominally 415 V, about 9% above this rating. Hoists of this rating are commonly used on Indian supply, but running current should be checked on test against the 3.9 A nameplate value. The motor can also be connected in delta for a 220 V three phase supply.

Because this is a **two-speed hoist**, it needs a **two-speed control**: separate contactors for main and fine speed, plus up/down contactors, with a two-step pendant. Include an overload relay and an emergency stop.

Safety Note

Before any lifting use, the hoist must be inspected and load-tested by a competent person, and its safe working load (SWL) certified as per local regulations. This includes:

- Load chain: check for wear, elongation, corrosion and damaged links, and replace only with the correct 7 × 21 mm hoist chain
- Brake: confirm it holds the full rated load
- Hooks: check for opening or deformation and fit working safety latches
- Limit switches and slipping clutch: check operation if fitted
- Rating: use 1000 kg only in the 2-fall configuration; single-fall rating is 500 kg

This hoist is **not intended for lifting persons** and is not certified for explosive or flammable atmospheres.

Maintenance Tips

- Lubricate the load chain regularly, especially the links running through the chain sprocket
- Check brake wear and adjustment at regular intervals
- Check gearbox lubrication as per Demag guidelines for the unit
- Inspect hooks, bottom block and chain guides for wear
- Inspect the power cable, control cable and pendant for damage
- Keep a written inspection record and repeat load testing as your local rules require

Frequently Asked Questions

What is the capacity of the Demag PK 5L-F?

The nameplate shows 500 kg with one chain fall and 1000 kg with two chain falls. This unit is supplied in the 2-fall, 1000 kg configuration with a 1000 kg bottom block.

What are the lifting speeds?

In the 2-fall configuration, the main lifting speed is 7.5 m/min and the fine lifting speed is 1.9 m/min. In single-fall, the speeds are 15 m/min and 3.8 m/min.

What is the benefit of a two-speed hoist?

The main speed lifts loads quickly, while the slow fine speed allows precise positioning, such as setting dies or aligning machine parts.

Will it run on Indian 415 V supply?

The motor is rated 380 V, 50 Hz. It is commonly used on Indian 415 V supply, but running current should be checked against the 3.9 A rating. A two-speed control circuit is required.

Is this a genuine Demag hoist?

Yes. It carries the original Demag-Kettenzug nameplate and a "Made in Germany" casting mark on the body.

Is the hoist certified for lifting?

The hoist is refurbished and tested by us. Before lifting use, it must be inspected, load-tested and SWL-certified by a competent person as per your local regulations.

Looking for a genuine Demag electric chain hoist? Contact Standard Machinery, Bhavnagar, Gujarat, at +91 88 6666 9293 / +91 73837 39400 or info@standardmachinery.store for price, photos and availability.

Compatibility

- Power supply: 3 phase, 380 V (star) or 220 V (delta), 50 Hz
- Indian 415 V supply: commonly used; check running current against the 3.9 A rating
- Control: Two-speed control with up/down and main/fine speed contactors
- Pendant: Two-step push-button pendant with emergency stop
- Protection: Suitable MCB/MPCB and overload relay required
- Mounting: Top suspension eye for a fixed point or a beam trolley rated for at least 1000 kg
- Load chain: Replace only with 7 × 21 mm hoist chain of the correct grade
- Not suitable for: Lifting persons, or explosive or flammable atmospheres

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