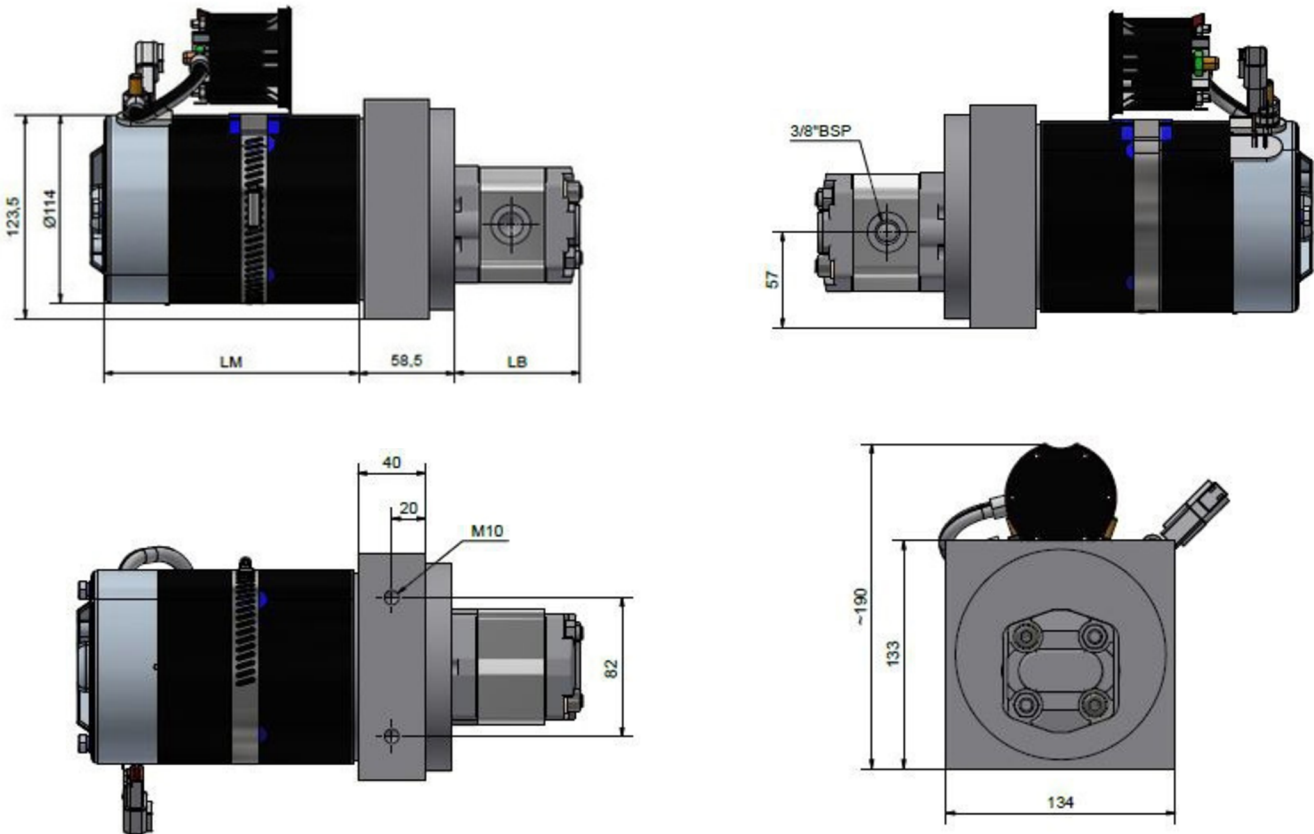


MOTOR PUMP

VMP-K1DC



1. General Overview

Vincke DC Motor Pump Sets are compact, reliable hydraulic power units designed to deliver efficient fluid flow and pressure in a variety of mobile and industrial applications. These motor pump sets integrate a direct current (DC) motor with a hydraulic pump to provide robust and versatile performance in battery-powered systems.

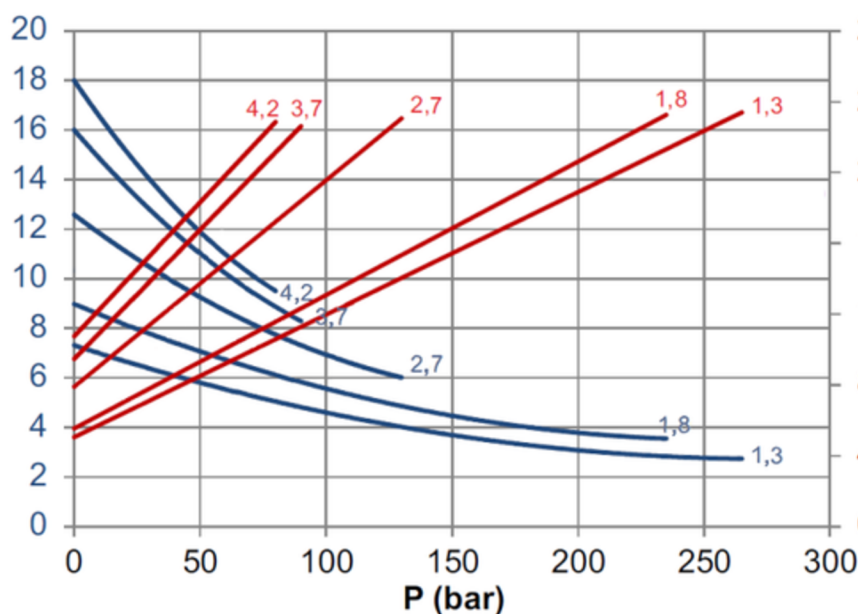
2. Key Features

- Power Source: Direct Current (DC) electric motor
- Compact Design: Space-saving, portable units for versatile installation
- High Efficiency: Optimized for battery-powered applications
- Pressure Range: Capable of operating under medium to high hydraulic pressures
- Low Noise Operation: Designed for reduced operational noise levels
- Durability: Built for continuous use in demanding environments

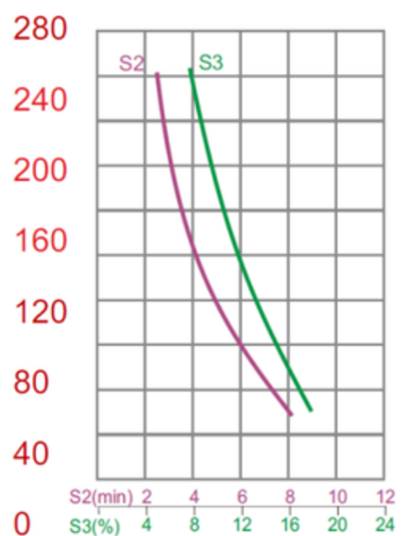
3. Technical Specifications

MOTOR PUMP VMP-K1DC						
Reference	(cm ³)	W	V	A	LM(mm)	LB(mm)
HIDESC002876	1,3	1600	12 DC	150	154	75
HIDESC002877	1,8	1600	12 DC	150	154	77
HIDESC002878	2,7	1600	12 DC	150	154	80
HIDESC002879	3,7	1600	12 DC	150	154	84
HIDESC002880	4,2	1600	12 DC	150	154	86
HIDESC002881	1,3	2200	24 DC	150	179,8	75
HIDESC002882	1,8	2200	24 DC	150	179,8	77
HIDESC002883	2,7	2200	24 DC	150	179,8	80
HIDESC002884	3,7	2200	24 DC	150	179,8	84
HIDESC002885	4,2	2200	24 DC	150	179,8	86
HIDESC002886	4,8	2200	24 DC	150	179,8	88

l/min 1600W 12VDC



A



4. Applications

Vincke DC Motor Pump Sets are ideal for:

- Mobile hydraulic systems
- Battery-operated machines
- Tail lifts and scissor lifts
- Emergency hydraulic power packs
- Small industrial hydraulic circuits
- Agricultural and construction equipment

5. Installation Guidelines

1. Mounting:

- Ensure the unit is securely mounted to a flat, vibration-free surface.
- Allow sufficient space for ventilation and cooling of the DC motor.

2. Hydraulic Connections:

- Use hydraulic hoses rated for the system's operating pressure.
- Connect suction and return lines with minimal bends to reduce flow restriction.
- Confirm all connections are tight and leak-free.

3. Electrical Wiring:

- Verify the power supply matches the motor voltage (12V, 24V, or 48V DC).
- Use properly sized cables and fuses to handle the current load.
- Connect the motor terminals securely and ensure a good ground connection.

4. Fluid:

- Fill the reservoir with clean, compatible hydraulic oil (refer to the manufacturer's fluid recommendations).
- Bleed the system to remove air pockets before operating.

6. Maintenance Recommendations

• Regular Inspections:

- Check for hydraulic leaks, worn hoses, or damaged fittings.
- Inspect the electrical connections for corrosion or loose terminals.

• Fluid Maintenance:

- Maintain the correct hydraulic fluid level and replace fluid as needed.
- Replace hydraulic filters periodically to prevent contamination.

• Motor and Pump Performance:

- Monitor operating pressure, flow rate, and noise levels for any irregularities.
- Keep the motor's ventilation area clear of debris to prevent overheating.

7. Safety Precautions

- Always disconnect the power supply before servicing the unit.
- Relieve system pressure before making adjustments or repairs.
- Use appropriate personal protective equipment (PPE), including gloves and safety goggles, when working on hydraulic systems.
- Follow all electrical safety guidelines to prevent short circuits or fire hazards.



Note: Failure to follow these safety precautions may result in injury, equipment damage, or system failure. Always consult the manufacturer's documentation for additional details or specific requirements.