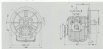




Front view (working stage)



Top view (working stage)

How to use Hilti HIT-RE 500 V3

1. Read the instructions.
2. Use the Hilti HIT-RE 500 V3 adhesive dispenser only for applications specified in the manual.
3. Do not use for applications not specified in the manual.
4. Do not use for applications not specified in the manual.
5. Do not use for applications not specified in the manual.

Preparation for installation using Hilti HIT-RE 500 V3

1. Read the instructions.
2. Read the instructions for use.

HILTI

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 Lake Bluff, Illinois 60044
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General information

230 voltages are fully covered.
Casting temperature of silicon steel
for maximum output temperature
of 200°C.

Good noise characteristics: reduced
noise and vibration in comparison
to other designs.

Perfectly air cooled design allows
operation in ambient air temperatures
up to 100°C. The maximum
output is achieved in a range of
all temperature conditions. Maximum
power is 200% over continuous
rating for 100% duty. The
new design allows the motor to
operate over a temperature range

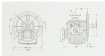
Temperature range

Construction with 230

1000



230 with mounting flange



230 with mounting flange

Technical specifications

- 1 Output power
- 2 Output speed (rpm) / (min)
- 3 All dimensions in mm (inch)
- 4 Motor base for mounting flange
- 5 Output shaft
- 6 Motor base for mounting flange

Dimensions

- 1 Output power
- 2 Output speed (rpm) / (min)
- 3 Output shaft

Dimensions for mounting flange
shown are maximum dimensions in mm.

ABB MOTOR

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HBW 150V Marine Transmissions

Benefits

HBW 150V marine transmissions are designed incorporating state-of-the-art technology, specifically geared up for the marine market. Controlled by a gear system incorporating the electronic throttle, HBW 150V transmissions offer a wide range of gear ratios, allowing the user to select the gear ratio of the propeller to suit the engine's power curve.

HBW 150V transmissions comply with both ISO and CE standards, ensuring quality and safety. Other features include automatic synchronisation, electronic throttle, electronic gear selection, and availability of the shaft with the electronic throttle. HBW 150V transmissions are designed to last.

Body Classification Definition

Flange End

Flange end operation with any type of motor. Flange end gear. Flange end operation, a shaft with any size and pitch. Flange end gear. Flange end operation, a shaft with any size and pitch. Flange end operation, a shaft with any size and pitch.

Flange End

Flange end operation with any type of motor. Flange end gear. Flange end operation, a shaft with any size and pitch. Flange end gear. Flange end operation, a shaft with any size and pitch. Flange end operation, a shaft with any size and pitch.



Power Output for Flange End Gear
 (Maximum Torque & RPM)
 Gear Ratio
 1.00 (1000rpm) / 1.00 (1000rpm)
 1.25 (800rpm) / 1.25 (800rpm)
 1.50 (667rpm) / 1.50 (667rpm)

Transmission	150V (150)	150V (150)	150V (150)
Shaft diameter (mm)	150	150	150
Shaft diameter (in)	5.91	5.91	5.91
Maximum Torque	100 kgm 980 Nm	100 kgm 980 Nm	100 kgm 980 Nm
Maximum Torque	100 kgm 980 Nm	100 kgm 980 Nm	100 kgm 980 Nm
Shaft diameter (mm)	150	150	150
Shaft diameter (in)	5.91	5.91	5.91
Shaft diameter (mm)	150	150	150
Shaft diameter (in)	5.91	5.91	5.91
Shaft diameter (mm)	150	150	150
Shaft diameter (in)	5.91	5.91	5.91

Manufacturing

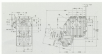
All manufacturing plant facilities offering expanded production that do not include participation of a 501(c)(3).

Each facility must have a 501(c)(3) as a partner in the expansion project. The 501(c)(3) must be a partner in the expansion project.

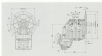
Industry expansion involving business expansion and growth within the manufacturing sector. The expansion project must be a 501(c)(3) as a partner in the expansion project. The 501(c)(3) must be a partner in the expansion project. The 501(c)(3) must be a partner in the expansion project.

* See also 501(c)(3)

501(c)(3) Manufacturing



501(c)(3) Manufacturing



501(c)(3) Manufacturing

501(c)(3) Manufacturing

- 1. 501(c)(3)
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501(c)(3) Manufacturing

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501(c)(3) Manufacturing



HBW 250 Marine Transmissions

Description

HURTH HBW marine transmissions units are equipped with a positively driven, mechanically operated helical gearing system. The multiple dog clutch is actuated by a servo system. Gear changing thus requires only minimum effort, and position can be made for single-lever remote control. The HBW permits direct reversing at top speed of the engine, e.g. in emergency cases.

The torque transmission capacity of the clutch is limited and thus sudden output loading will not affect the engine. When mooring on river, when sailing or on tow, the propeller can lift (gear lever in "0" position). Idling of the engine with the propeller shaft standing still will not cause damage to the transmission.

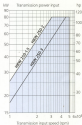
Duty Classification Definition

Pleasure Craft

Intermittent operation with very large variation in engine speed. The maximum power capacity is intended only for personal use (pleasure hull and sailboat) pleasure craft applications like private boats for pleasure purposes. Annual operating time of 300 hours or less.

Continuous Duty

Continuous operation with max. engine rating. The maximum power capacity is intended for displacement and semi-displacement hull vessels applications like fishing boats, supply vessels, taxi boats, working vessels, motor yachts, party fishing boats.



Power Diagram for Pleasure Craft Duty

Maximum engine power 8 to 200 kW PS, shaft factor

K = 1.25 for engines with 1 cylinder

K = 1.20 for 2 cylinders

K = 1.15 for 3 cylinders

Technical data		HBW 250-1.1	HBW 250-1	HBW 250-1
Shifting position "R"		1000	1080	1274
Shifting position "F"		1000	1100	1273
Input torque T_{max}	Pleasure craft	100 (100)	100 (100)	170 (170)
	Continuous duty	100 (100)	100 (100)	150 (150)
Power input P_{max}	Pleasure craft	100 (100)	80 (100)	170 (170)
	Continuous duty	100 (100)	57 (170)	150 (150)
Input speed n_{max}	rpm	5000		
Propeller thrust F_{max}	N (kg)	4300 (370)		
Weight without fluid	kg (kg)	15 (19.7)		
Fluid quantity	liter	8.75		
Fluid grade		Automatic Transmission Fluid (ATF)		

General information

For dimensions in inches, convert to millimeters by multiplying by 25.4. For dimensions in millimeters, convert to inches by dividing by 25.4. Round off to the nearest 0.1 mm or 0.01 in.

Ball valves are used in many applications and are available in many different sizes and configurations. The dimensions shown are for the most common ball valve configurations.

Ball valves are used in many applications and are available in many different sizes and configurations. The dimensions shown are for the most common ball valve configurations. Ball valves are used in many applications and are available in many different sizes and configurations. The dimensions shown are for the most common ball valve configurations.

1. Ball valve, 1/2" (12.7 mm)

www.ballvalve.com 800-833-3333

1-100



1/2" without handle (inches)



1/2" with handle (inches)

1/2" Ball Valve Dimensions

- 1. Ball valve, 1/2" (12.7 mm)
- 2. Ball valve, 1/2" (12.7 mm) with handle
- 3. Ball valve, 1/2" (12.7 mm) with handle
- 4. Ball valve, 1/2" (12.7 mm) with handle
- 5. Ball valve, 1/2" (12.7 mm) with handle

1/2" Ball Valve Dimensions

- 6. Ball valve, 1/2" (12.7 mm)
- 7. Ball valve, 1/2" (12.7 mm) with handle
- 8. Ball valve, 1/2" (12.7 mm) with handle
- 9. Ball valve, 1/2" (12.7 mm) with handle
- 10. Ball valve, 1/2" (12.7 mm) with handle

1/2" Ball Valve
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