



For anything outside of the scope of this document please contact Flowfit or a qualified hydraulic engineer. This is provided in good faith and without liability and does not form part of any contract.

Standard information

A engine bell housing is a critical component that serves as a protective enclosure for the engine's rear end, specifically around the transmission and crankshaft. Its primary role is to connect the engine to the transmission while also providing structural support.

General Safety Precautions

- Always wear appropriate personal protective equipment (PPE), including gloves, safety glasses, and steel-toed boots.
- Ensure all equipment is turned off and depressurized before maintenance or installation.
- Use only manufacturer-approved components and follow installation instructions precisely.
- Avoid loose clothing or jewellery that could become entangled.

Hazard Identification

- Pinch Points: Avoid placing hands near rotating or moving parts.
- High Pressure: Hydraulic systems operate under extreme pressure, which can lead to sudden bursts or leaks.
- Temperature Risks: Components may become hot during operation.
- Misalignment Hazards: Improper alignment of bell housings or couplings can cause system failure and physical injury.

Operational Safety

- Conduct regular visual inspections for wear, cracks, or misalignment.
- Ensure that system pressure does not exceed rated limits for the bellhousing and coupling.
- Avoid sudden starts and stops to prevent mechanical stress.
- Train operators on emergency shutdown procedures.



Installation Safety

Preparation

- Inspect all components for damage or wear before installation.
- Verify compatibility between the bellhousing, coupling, and motor.
- Ensure work area is clean and free of obstructions.

Alignment

- Use precision tools to align the bellhousing with the motor and pump shaft.
- Follow manufacturer specifications for torque settings during installation.

Testing

- Perform a pressure test after installation to ensure there are no leaks.
- Gradually ramp up the hydraulic system to operating pressure, monitoring for irregularities.

Maintenance Guidelines

- Inspect bellhousings and couplings for signs of fatigue, such as cracks or unusual wear and verify alignment and torque settings periodically.
- Apply lubrication to couplings as recommended by the manufacturer to minimize friction and wear.
- Replace any worn or damaged parts immediately with genuine components.

Emergency Procedures

- Hydraulic Leak: Shut down the system immediately, depressurize it, and isolate the leak. Use absorbent materials to contain spills.
- Mechanical Failure: Cease operation and inspect components for damage. Do not resume until the issue is resolved.
- Personal Injury: Provide first aid and seek professional medical help if necessary.

Contact Information

For additional assistance, please reach out to the manufacturer using the contact information provided below

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Trust it

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LANTERNE PER MOTORE ENDOTERMICO HONDA E BRIGGS & STRATTON

HONDA AND BRIGGS & STRATTON ENDOTHERMIC ENGINES BELLHOUSINGS

Le lanterne della serie LMH sono specifiche per accoppiamenti tra pompa oleodinamica a ingranaggi e motore endotermico **Honda**.

Le lanterne della serie LB sono specifiche per accoppiamenti tra pompa oleodinamica a ingranaggi e motore endotermico **Briggs & Stratton**.

The LMH series monobloc bellhousings are specific as connecting between hydraulic gear pumps and **Honda** endothermic engines.

The LB series monobloc bellhousings are specific as connecting between hydraulic gear pumps and **Briggs & Stratton** endothermic engines.



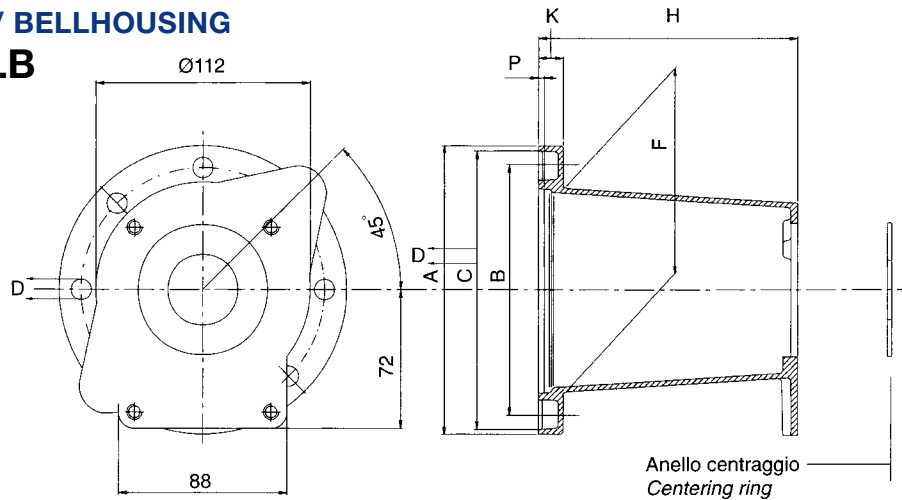
ACCOPIAMENTO POMPE AD INGRANAGGI CON FLANGIATURE RETTANGOLARI E MOTORI ENDOTERMICI

01

CONNECTIONS BETWEEN GEAR PUMPS WITH RECTANGULAR FLANGE AND ENDOTHERMIC ENGINES

LANTERNA / BELLHOUSING

tipo / series **LB**



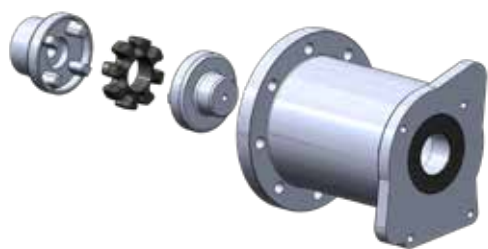
Potenza motore Motor power		Albero Shaft	Rif. pompa Pump code	Lanterna Bellhousing	Dimensione lanterna (mm) Dimensions of bellhousing (mm)								Giunto completo serie ND Complete coupling ND series		Semigiunto Motore Halfcoupling motor side		Inserito elastico Rubber spider		Semigiunto pompa Halfcoupling pump side	
kW	HP				Codice Part number	A	B	C	D	F	H	K	P	Codice Part number	H	Codice Part number		Codice Part num.	I	Codice Part number
5 13,5	7 18	Ø 25 ch. 7	SAE A	LB152-825A	152	127	146	10	110	142	15	3,5	ND 700	124,5	ND 65MC33	R-62	18	ND 65H4D22		
			SAE B	LB152-101A	152	127	146	10	110	142	15	3,5	ND 701	124,5	ND 65MC33	R-62	18	ND 65H4D99		
			ISO 80-2	LB152-80E	152	127	146	10	110	142	15	3,5	ND 702	124,5	ND 65MC33	R-62	18	ND 65H4D24		
			ISO 100-2	LB152-100E	152	127	146	10	110	142	15	3,5	ND 703	124,5	ND 65MC33	R-62	18	ND 65H4D34		
		Ø 25,4 ch. 6,35	SAE A	LB152-825A	152	127	146	10	110	142	15	3,5	ND 710	124,5	ND 65MC35	R-62	18	ND 65H4D22		
			SAE B	LB152-101A	152	127	146	10	110	142	15	3,5	ND 711	124,5	ND 65MC35	R-62	18	ND 65H4D99		
			ISO 80-2	LB152-80E	152	127	146	10	110	142	15	3,5	ND 712	124,5	ND 65MC35	R-62	18	ND 65H4D24		
			ISO 100-2	LB152-100E	152	127	146	10	110	142	15	3,5	ND 713	124,5	ND 65MC35	R-62	18	ND 65H4D34		

Motore a scoppio HP 8 con albero speciale Internal combustion engines, 8 HP, with special shaft

Potenza motore Motor power		Albero Shaft	Rif. pompa Pump code	Lanterna Bellhousing	Dimensione lanterna (mm) Dimensions of bellhousing (mm)								Giunto completo serie ND Complete coupling ND series		Semigiunto Motore Halfcoupling motor side		Inserito elastico Rubber spider		Semigiunto pompa Halfcoupling pump side	
kW	HP				Codice Part number	A	B	C	D	F	H	K	P	Codice Part number	H	Codice Part number		Codice Part num.	I	Codice Part number
5,75	8	Ø 25,4 ch. 6,35	SAE A	LB152-825A	152	127	146	10	110	142	15	3,5	ND 720	114,5	ND 65MC35	R-62	18	ND 65H8D22		
			SAE B	LB152-101A	152	127	146	10	110	142	15	3,5	ND 721	114,5	ND 65MC35	R-62	18	ND 65H8D99		
			ISO 80-2	LB152-80E	152	127	146	10	110	142	15	3,5	ND 722	114,5	ND 65MC35	R-62	18	ND 65H8D24		

Motore a scoppio HP18 con diametro di centraggio flangia Ø 163,5 mm Internal combustion engines, 18 HP, with centering flange diameter Ø 163,5 mm

Potenza motore Motor power		Albero Shaft	Rif. pompa Pump code	Lanterna Bellhousing	Dimensione lanterna (mm) Dimensions of bellhousing (mm)								Giunto completo serie ND Complete coupling ND series		Semigiunto Motore Halfcoupling motor side		Inserito elastico Rubber spider		Semigiunto pompa Halfcoupling pump side	
kW	HP				Codice Part number	A	B	C	D	F	H	K	P	Codice Part number	H	Codice Part number		Codice Part num.	I	Codice Part number
13,5	18	Ø 25 ch. 7	SAE A	LB170-825A	170	127	163,5	10	110	142	15	3,5	ND 700	124,5	ND 65MC33	R-62	18	ND 65H4D22		
			SAE B	LB170-101A	170	127	163,5	10	110	142	15	3,5	ND 701	124,5	ND 65MC33	R-62	18	ND 65H4D99		
			ISO 80-2	LB170-80E	170	127	163,5	10	110	142	15	3,5	ND 702	124,5	ND 65MC33	R-62	18	ND 65H4D24		
			ISO 100-2	LB170-100E	170	127	163,5	10	110	142	15	3,5	ND 703	124,5	ND 65MC33	R-62	18	ND 65H4D34		
		Ø 25,4 ch. 6,35	SAE A	LB170-825A	170	127	163,5	10	110	142	15	3,5	ND 710	124,5	ND 65MC35	R-62	18	ND 65H4D22		
			SAE B	LB170-101A	170	127	163,5	10	110	142	15	3,5	ND 711	124,5	ND 65MC35	R-62	18	ND 65H4D99		
			ISO 80-2	LB170-80E	170	127	163,5	10	110	142	15	3,5	ND 712	124,5	ND 65MC35	R-62	18	ND 65H4D24		
			ISO 100-2	LB170-100E	170	127	163,5	10	110	142	15	3,5	ND 713	124,5	ND 65MC35	R-62	18	ND 65H4D34		



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