

Bell housing set



1. DESCRIPTION

To be able to easily and effectively connect HYDAC pumps to their drive motors, HYDAC Accessories offers bell housing sets.

Depending on the requirements, they contain corresponding bell housings and couplings, optionally also a base for the bell housing and damping rails.

2. MODELS OF THE BELL HOUSINGS

Bell housings are connecting parts between drive motors and hydraulic pumps.

They are made in an aluminium alloy, dimensioned according to VDMA 24561.

Both connecting flanges are supplied ready for installation.

Using a HYDAC bell housing eliminates costly alignment work.

Possible models:

- Rigid bell housing (PTS)
- Flexible bell housing (PT)
- Elastic bell housing with oil-air cooler (PTK)

Selecting the matching nominal size

Motor size	Bell housing size	Motor power at 1500 rpm kW *	Bell housing model		
			PTS rigid	PT elastic	PTK elastic with oil-air cooler
71	160	0.25-0.37	x	not available	
80	2001	0.55-0.75	x	x	x
90S	200	1.1	x	x	x
90L	200	1.5	x	x	x
100L	250	2.2-3	x	x	x
112M	250	4	x	x	x
132S	300	5.5	x	x	x
132M	300	7.5	x	x	x
160M	350	11	x	x	x
160L	350	15	x	x	x
180M	3501	18.5	x	x	x
180L	3501	22	x	x	x
200L	400	30	x	x	not available
225S	450	37	x	x	
225M	450	45	x	x	
250M	550	55	x	x	
280S	5501	75	x	x	
280M	5501	90	x	x	
315S	660	110	x	x	
315M	660	132	x	x	
315L	6601	160-200	x	x	

Order details

- Electric motor size
- Motor power [kW]
- Motor speed [rpm]
- Complete pump designation

* For other motor speeds or sizes please get in touch.

3. Model code (also example order)

PTK – 2001 / M / PPV100 / 016 / S F00 - 00

Model of the bell housing

PTS = rigid bell housing

PT = flexible bell housing

PTK = flexible bell housing with oil-air cooler

Set size

Set size	Motor size	Power at 1500 rpm *		
160	71	0.25	- 0.37	kW
2001	80	0.55	- 0.75	kW
200	90S-90L	1.1	- 1.5	kW
250	100L-112M	2.2	- 4	kW
300	132S-132M	5.5	- 7.5	kW
350	160M-160L	11	- 15	kW
3501	180M-180L	18.5	- 22	kW
400	200L		30	kW
450	225S-225M	37	- 45	kW
550	250M		55	kW
5501	280S-280M	75	- 90	kW
660	315S-315M	110	- 132	kW
6601	315L	160	- 200	kW

* For other motor speeds or sizes please get in touch.

Version

M = mineral-oil resistant

Pump series

PPV100 axial piston pump, medium pressure series

PPV101 axial piston pump, light heavy duty series

PPV102 axial piston pump, heavy duty series

PPV103 axial piston pump, light medium pressure series

PVF100 vane pump, constant

PVF101 vane pump as double pump

PVV100 vane pump, adjustable, pilot-operated

PVV101 vane pump, adjustable, direct-acting

PGE101-PGE104 gear pump

Set designation

HYDAC issues the designation of the set.

4. ACCESSORIES

To complement the bell housing set, HYDAC Accessories also offers foot brackets and damping rails.

Detailed information is given in our brochure "Bell Housing Accessories" (EN 5.616), which can be downloaded from our website www.hydac.com.

BELL HOUSING FOOT BRACKETS

HYDAC bell housing foot brackets serve as an easy way to fasten the motor pump unit to the unit.

- Bell housing foot brackets to VDMA 24561
- Lightweight and heavy series available off the shelf
- Motor stock-keeping can be limited to the IMB5/IMV1 motors
- Simple replacement of the electric motor
- It is also possible to set up the hydraulic pump and pipework without an electric motor
- Available sizes:
 - Light duty series: PF-160/3 to PF-350/3
 - Heavy duty series: PF-250/4 to PF-660/4

DAMPING RAILS

HYDAC damping rails decouple vibrations and lower the noise level.

- For bell housing foot brackets to VDMA 24561 in the light and heavy duty design
- Resistant to mineral oil due to NBR rubber compound
- Designed for bear weight with horizontal installation
- Reduces noise & vibration
- Available from stock
- Special lengths and/or special designs available on request
- Available sizes:
 - FDS.../3 for bell housing foot brackets for light range
 - FDS.../4 for bell housing foot brackets for the heavy duty range



NOTE

The information in this brochure relates to the operating conditions and applications described. For applications and operating conditions not described, please contact the relevant technical department.

The operator is always responsible for determining the product suitability for the specific application. Quantified values for product characteristics are average values for a new product that undergo a time deterioration process.

Subject to technical modifications and errors.

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