

HYDAC INTERNATIONAL

Bell Housing Set



1. DESCRIPTION

To connect HYDAC pumps easily and effectively to the drive motors, HYDAC Accessories provides bell housing sets.

Depending on the requirements, the sets consist of corresponding bell housings and couplings. Foot brackets are also available for the bell housing and damping rails, as an option.

2. VARIANTS OF THE BELL HOUSINGS

Bell housings are connecting parts between drive motors and hydraulic pumps. They are made in an aluminium alloy, in dimensions according to VDMA 24561. Both connecting flanges are supplied ready for installation. Using a HYDAC bell housing eliminates costly alignment work.

Possible versions:

- Rigid bell housing (PTS)
- Flexible bell housing (PT)
- Flexible 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 version		
			PTS rigid	PT flexible	PTK flexible 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.

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3. Model code (also example order)

PTK – 2001 / 2.0 / PPV100 / 016 / S F00 – 00

Version of the bell housing base

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

2.0 = standard

5.3 = to CNOMO standard (leakage hole and assembly hole with grille)

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, fixed displacement
 PVF101 vane pump as double pump
 PVV100 vane pump, variable displacement, pilot-operated
 PVV101 vane pump variable displacement, direct-acting
 PGE101-PGE104 gear pump

Set designation

HYDAC issues the designation of the set.

4. ACCESSORIES

To complement the pump mounting set, HYDAC Accessories also offers foot brackets and damping rails.

You will find extensive information in our brochure "Bell housing accessories" (E 5.616), which you can download from our web site www.hydac.com.

BELL HOUSING FOOT BRACKETS

HYDAC bell housing foot brackets to simply fasten the motor pump unit to the unit

- Bell housing foot brackets to VDMA 24561
- Lightweight and heavy series available off the shelf
- Reduction of the motor bearing bracket to IMB5/V1
- Simple replacement of the electric motor
- It is also possible to set up the hydraulic pump and pipework without an electric motor
- Available sizes:
lightweight series: PF-160/3 to PF-300/3
heavy 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 weight-bearing when installed horizontally
- 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.

Subject to technical modifications.

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