

ORBIT MOTORS



TECHNICAL DATA

	Displacement cm ³ /rev	Pressure drop			Flow	Max output
		(cont.)	(interm.)	(peak)	(cont.)	(interm.)
		bar			L/min	kW
HML	8 ÷ 32	70	125	140	16	2
HMM	8 ÷ 50	100	140	200	20	3,2
HMP	25 ÷ 400	140	175	225	60	13
HMR	50 ÷ 375	175	200	225	60	15
HMH	200 ÷ 500	175	200	225	75	18,5
HMS	80 ÷ 500	210	275	295	75	22,5
HMT	160 ÷ 500	200	240	280	125	40
HMV	315 ÷ 800	200	240	280	200	64

Features and benefits:

- High efficiency
- Smooth running over entire speed range
- Constant operating torque
- High starting torque
- High pressure shaft seal
- Long life under extreme operating conditions
- Robust and compact design
- High radial and axial bearing capacity
- For applications in both open and closed loop hydraulic systems

Mini motors (HML and HMM)

HYDROMOBIL mini motors are ideal for work functions in the mobile sector, for example, mobile conveyors in harvesting machines.

- Spool valve integrated with output shaft
- Gearwheel set with fixed rim
- Suitable for long periods of operation at moderate pressure

Medium sized motors (HMP, HMR, HMH)

HYDROMOBIL medium sized motors are light and compact and therefore easy to install in equipment such as forklifts, turf care machinery, aerial lifts, skid steer loaders, and trenchers.

- Spool valve is integrated with output shaft
- HMP have a fixed gear rim and are ideal for long periods of operation at moderate pressure
- HMR and HMH have a gear rim with rollers and are suitable for long periods of operation at high pressure
- HMP and HMR are available as wheel motors with a recessed mounting flange

Large motors (HMS, HMT, HMV)

For demanding operating conditions, HYDROMOBIL offers a range of large orbital motors.

- Output shaft with tapered roller bearings gives high radial loading capacity
- Gear rim with rollers, separate valve drive, and disc valve
- High volumetric and mechanical efficiency
- Long operating life at high pressures
- Short and ultra-short (without bearings and output shaft) versions possible