



# BMR Hydraulic Motor

## Main Specification

BMR Series motors, adapt the advanced Geroler gear set design. With shaft distribution flow, which can automatically compensate in operating with high pressure, provide reliable and smooth operation with high efficiency and long life.

### Characteristic Features:

- Advanced manufacturing devices for the Geroler gear set, which use low pressure of start-up, provide smooth and reliable operation and high efficiency.
- Shaft seals can withstand high back pressures to enable the motor to be used in either parallel or series hydraulic circuits.
- Special design in the driver linker can prolong the operating life.
- Internal design of motors leads to quieter operation.
- Compact volume and easy installation.

Type		BMR50	BMR80	BMR100	BMR125	BMR160	BMR200	BMR250	BMR315	BMR375
Geometric Displacement (cm <sup>3</sup> /rev)		51.3	80.6	100.8	124.9	157.2	199.2	252	314.5	370
Max Speed (rpm)	Rated	755	750	600	475	375	300	240	190	160
	Cont.	970	940	750	600	470	375	300	240	200
Max Torque (Nm)	Rated	100	160	200	250	320	330	352	360	420
	Cont.	100	190	240	292	363	358	352	360	420
	Int.	126	220	280	340	430	448	470	470	548
Max Output (kW)	Rated	7.7	12.3	12.3	12.0	12.3	10	9	7	6.5
	Cont.	7.7	15	15	14	14	11	9	7	8.6
	Int.	9.7	17	17	16	16	14	12	9	12
Max Pressure* With Drain Line	Rated	175	175	175	175	175	175	175	175	175
	Cont.	200	200	200	200	200	200	200	200	200
	Int.	225	225	225	225	225	225	225	225	225
Max Flow (l/min)	Rated	40	60	60	60	60	60	60	60	60
	Cont.	50	75	75	75	75	75	75	75	75
Weight (kg)		6.7	6.9	6.9	7.2	7.5	8.0	8.5	9	9.3

\* Max Return Pressure With Drain Line (bar)

- Max Inlet Pressure : 175 bar
- Rated speed and rated torque: Output value of speed and torque under rated flow and rated pressure.
- Continuous pressure: Max value of operating motor continuously.
- Intermittent pressure: Max value of operating motor in 6 seconds per minute.
- Peak pressure: Max value of operating motor 0.6 seconds per minute.

