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Гидравлические двигатели интегрированные с редуктором РМ-О

Hydraulic motor integrated with Reduction Gear

PM-O power motor

PM-O hydraulic motor plus speed reducer

1. Space is saved by compact designing.
2. Costs are reduced by integrated designing.
3. The output torque is quadrupled by a built-in speed reducer (1/4).



FEATURES

In the current high-tech age, many customer requirements have been presented to the hydraulic industry. Especially, requirements for high-performance and compact configuration are placed in the higher rank. The NOP group has integrated the conventional speed reducer plus a motor into one piece. This integration has resulted in the development of a compact, low-speed, high-torque, high-performance and power-saving power motor.

APPLICATION

● Winch and hoist for vehicles, fishing machinery, construction machinery and various industrial machines

SPECIFICATIONS

- Release pressure 1.0MPa
- Max. flow 40³/min
- Permissible back pressure 7.0MPa
- Speed reduction ratio: 1/4
- Load in radial direction 9,800 N
- Load in thrust direction 8,670 N

SPECIFICATIONS

Item \ Model	PM-050	PM-070	PM-100	PM-120	PM-160	PM-190	PM-240	PM-280	PM-310	PM-380	PM-410
Theoretical displacement cm^3/rev	54.0	71.4	96.0	118.4	163.4	184.0	235.5	282.5	306.9	376.4	409.9
Max. revolution min^{-1}	245	230	180	145	110	95	75	60	55	50	45
Normal continuous torque $\text{N} \cdot \text{m}$	440	620	840	1000	1000	1000	1000	1000	1000	1000	1000
Max. instantaneous torque $\text{N} \cdot \text{m}$	536	732	1024	1200	1300	1300	1300	1300	1300	1300	1300
Normal continuous pressure $\Delta P \text{ MPa}$	15.5	15.5	15.5	15.5	10.5	9.5	7.5	6.5	6.0	4.8	4.5
Max. instantaneous pressure $\Delta P \text{ MPa}$	19.0	19.0	19.0	18.5	14.7	12.7	9.8	8.2	7.5	6.3	5.7

Note: When a rectangular flange for installation is provided, 3kg must be added to the above weight.