Гидравлические двигатели интегрированные с редуктором PM-O

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 40*/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	N・m	440	620	840	1000	1000	1000	1000	1000	1000	1000	1000
Max. instantaneous torque	N・m	536	732	1024	1200	1300	1300	1300	1300	1300	1300	1300
Normal continuous pressure	△P 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	△P 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.