

## GENERAL INFORMATIONS

In this issue we present three sizes of wheel drive units as combinations of high-torque radial piston motor with a single reduction stage planetary gearbox; continuous output torques are 6500 and 9650 Nm.

The units can be either without brake, or with a static brake (spring-loaded pressure released brake), or also with dynamic monodisc pressure applied brake.

**DIMENSIONS SHOWN IN THIS CATALOGUE ARE REFERRED TO THE MODELS WITH THE STATIC BRAKE.**

Brake pilot pressure is 12 bar.

**LUBRICATION:** In the standard models lubrication of the gear box is separate from the hydraulic circuit and the gearbox has its filler breather.

Lubrication should be with SAE 80W/90 oil with API GL5 properties.

See tables for quantity of oil required for filling.

In other applications it is possible to use the drain oil of the hydraulic motor for lubrication and the gearbox is without filler-breather.

Main applications of these units are on heavy duty mobile machines such as: agricultural machinery, earth-moving equipment, construction machines off- road vehicles, airport equipment, track drives and others.

### MAIN TECHNICAL DETAILS

WHEEL DRIVE UNIT	S 066 M		S 120 M	S 220 M
Reduction ratio	4.31 : 1		4,8 : 1	6,60 :1
Output Continuous torque	Nm	2'400	6.500	9.650
Output Peak torque	Nm	3'000	10.000	14.300
Braking torque	Nm	2.250	7.000	10.000
Max. Radial Load *	daN	2.400	16.800	18.000
Weight (gearbox+brake only)	kg	40	75	90
Gearbox case oil capacity	lit.	0,75	2,00	3,00
Max input speed	n / min.	1.100	1.000	1.000
Brake pilot pressure	bar	12 (min)	60 (max)	( all model )

\* See specific diagram on Technical Data sheet