

# LEADING PROPEL EXPERIENCE FOR TODAY'S DEMANDING APPLICATIONS

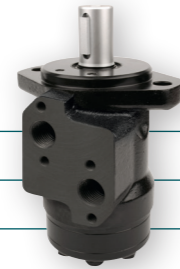


HYDRAULIC MOTORS

→ The industry leading range of gerotor orbital hydraulic motors offered in spool, commutator and disc/orbiting valve providing the industry standard for smooth startup and the highest efficiency for a durable and robust system.

## LD - LIGHT DUTY GEROTOR ORBITAL MOTORS (SPOOL VALVE TYPE)

Max. Torque 698 Nm (6177 lb-in)  
Max. Speed 2293 rpm  
Max. Power 18.7 kW (25.1 HP)



125 SERIES WM_CW	126 SERIES WM_CCW	145 SERIES WD_CW	146 SERIES WD_CCW	155 SERIES WP_CW	156 SERIES WP_CCW
157 SERIES WPN/WPWN_CW	158 SERIES WPN/WPWN_CCW	200 SERIES RS_CW	201 SERIES RS_CCW	251 SERIES WRA_CW	252 SERIES WRA_CCW
253 SERIES WRE_CW	254 SERIES WRE_CCW	255 SERIES WR_CW	256 SERIES WR_CCW		

## MD - MEDIUM DUTY GEROTOR ORBITAL MOTORS (COMMUTATOR VALVE TYPE)

Max. Torque 1390 Nm (12300 lb-in)  
Max. Speed 1060 rpm  
Max. Power 31.3 kW (41.9 HP)



275 SERIES WG_CCW	276 SERIES WG_CW	277 SERIES WG_CCW	278 SERIES WG_CW	280 SERIES WG_CCW	281 SERIES WG_CW	300 SERIES HB	400 SERIES CE_SD_CCW	401 SERIES CE_SD_CW	420 SERIES CE_MD_CCW	421 SERIES CE_MD_CW			
430 SERIES CE_HD_CCW	431 SERIES CE_HD_CW	500 SERIES RE_SD_CCW	501 SERIES RE_SD_CW	505 SERIES RE_SD_CW_NG	506 SERIES RE_SD_CCW_NG	520 SERIES RE_MD_CCW	521 SERIES RE_MD_CW	530 SERIES RE_HD_CCW	531 SERIES RE_HD_CW	535 SERIES RH_CW	536 SERIES RH_CCW	540 SERIES RE_WHEEL_HUB_CCW	541 SERIES RE_WHEEL_HUB_CW

## HD - HEAVY DUTY GEROTOR ORBITAL MOTORS (DISC/ORBITING VALVE TYPE)

Max. Torque 3342 Nm (29580 lb-in)  
Max. Speed 979 rpm  
Max. Power 66.1 kW (88.5 HP)



350 SERIES WS_NA_CW	351 SERIES WS_NA_CCW	360 SERIES WS_EU	450 SERIES WE_WEW_CW	451 SERIES WE_WEW_CW	600 SERIES DR_SD
620 SERIES DR_MD	630 SERIES DR_HD	640 SERIES DR_WHEEL_HUB	650 SERIES WZ	700 SERIES DT	701 SERIES DT_WHEEL
740 SERIES DT_WHEEL_HUB	800 SERIES D9_CCW	801 SERIES D9_CW	805 SERIES D9_SHORT_CCW	806 SERIES D9_SHORT_CW	

HYDRAULIC MOTOR | BRAKE UNITS

## HYDRAULIC MOTOR | BRAKE UNITS

→ Compact and durable gerotor orbital hydraulic motors with integrated hydraulic negative disc brake with the performance to provide solutions for a variety of mobile and industrial applications.



Performance Data	See Hydraulic Motors		
Holding Torque	Nm (lb-in)	904 (8000) - 1582 (14000)	
Release Pressure	bar (psi)	19 (275) - 207 (3000)	

310 SERIES HB MOTOR/BRAKE	315 SERIES HK MOTOR/BRAKE	410 SERIES CE MOTOR/BRAKE_CCW	411 SERIES CE MOTOR/BRAKE_CW
510 SERIES RE MOTOR/BRAKE_CCW	511 SERIES RE MOTOR/BRAKE_CW	610 SERIES DR MOTOR/BRAKE	710 SERIES DT MOTOR/BRAKE

STEERING UNITS

## STEERING UNITS

→ Hydrostatic power steering systems for mobile off-highway vehicles requiring stable steering condition for safe driving and manoeuvring. Optional pressure relief, shock valve functions and flow amplifications ratio 2:1 available.



Displacement Range	cm <sup>3</sup> /rev (in <sup>3</sup> /rev)	40 (2.5) - 1000 (61.0)
Max. Pressure	bar (psi)	210 (3045)
Max. Cont. Back Pressure	bar (psi)	40 (580)
Flow Range	lpm (gpm)	5 (1.3) - 75 (19.8)

S10 SERIES SU_S10	S20 SERIES SU_S20	S70 SERIES SU_S70
PV11 SERIES PV_MANIFOLD_DYN.S.	PV21 SERIES PV_MANIFOLD_STAT.S.	

HYDRAULIC BRAKES

## HYDRAULIC BRAKES

→ Widest range of stand-alone and flange-mount hydraulic negative disc brakes for many applications requiring hold and safety brake systems in compact economical designs.



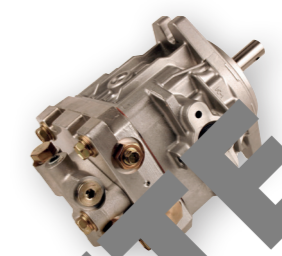
Release Volume	cm <sup>3</sup> (in <sup>3</sup> )	8.3 (0.5) - 11.5 (0.7)
Release Pressure	bar (psi)	20 (290) - 31 (450)
Max. Release Pressure	bar (psi)	207 (3000) - 250 (3625)
Holding Torque	Nm (lb-in)	225 (2000) - 1500 (13300)

913 SERIES BK10	915 SERIES BK15	920 SERIES AB
925 SERIES FB	930 SERIES SB	

HYDRAULIC PUMPS

## HYDRAULIC PUMPS

→ Patented series of hydraulic axial piston pumps for variable displacement with swash plate design in a very light aluminum die cast housing with integrated high volume charge pump and optional fixed displacement gear pump.



Displacement Range	cm <sup>3</sup> /rev (in <sup>3</sup> /rev)	10 (0.6) - 23 (1.4)
Charge Pump Displacement	cm <sup>3</sup> /rev (in <sup>3</sup> /rev)	3 (0.2)
Max. Operating Pressure	bar (psi)	145 (2100)
Peak System Pressure	bar (psi)	240 (3500)

114 SERIES CP_SF_CW	115 SERIES CP_LF_CCW
116 SERIES CP_LF_CW	

FLOW DIVIDERS

## FLOW DIVIDERS

→ Patented Roller Stator designed for providing extremely quiet operation combined with highest pressure compensated flow accuracy.



Min. Input Flow	lpm (gpm)	8 (2) - 19 (5)
Max. Input Flow	lpm (gpm)	151 (40) - 189 (50)
Max. Inlet Pressure	bar (psi)	207 (3000)
Max. Outlet Pressure	bar (psi)	207 (3000)

950 SERIES FD
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