



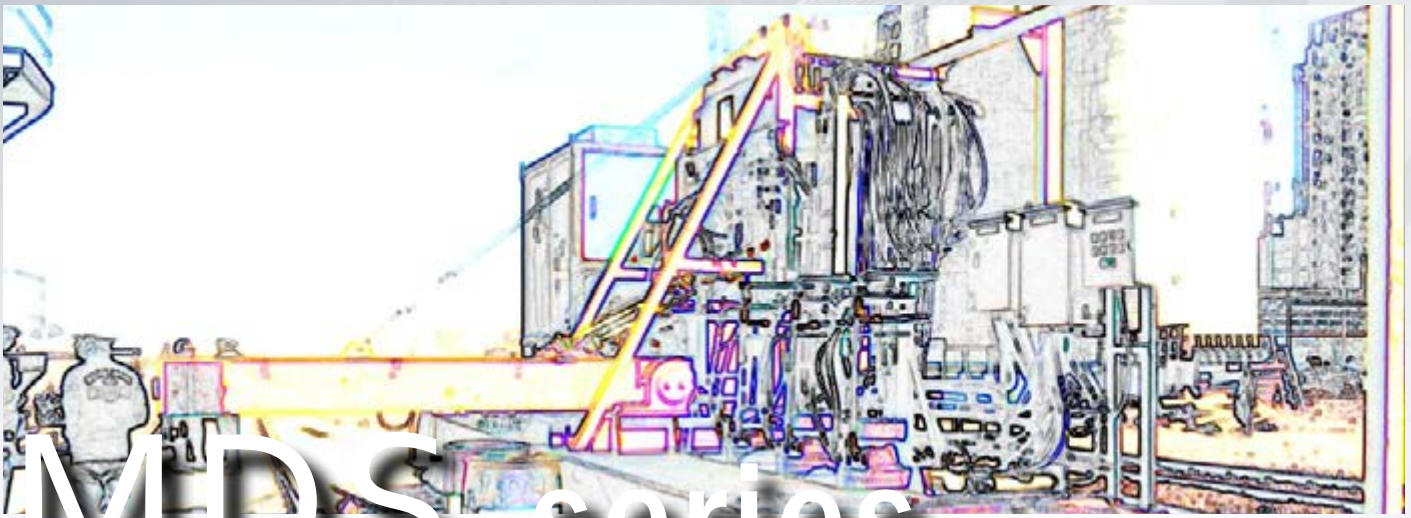
ISO 9001-2008 Certified

MASCOT®

Radial Piston Hydraulic Motor



- ✓ LD Series
- ✓ MD Series
- ✓ MDS Series
- ✓ 820 Series
- ✓ HD Series



MDS series

MASCOT MDS Series hydraulic motors are designed for high power and high speed applications. These motors are exclusively developed for Wagon Tippler, Side Arm Charger & Paddle Feeder Hydraulic Drive Application due to high radial & Axial Load capacity. In addition, these motors are also most suited for use in Feeder Breaker, Ball Mills and Bowl Mills. Optionally, a brake can be fitted in the rear end of the motor. The motor displacements available range from 9 lit/rev. to 15 lit/rev.

They aim to provide a wide variety of precise hydraulic motor and pump combinations. These motors can take heavy shock loads due to the incorporation of a robust front bearing arrangement.

Options

- ✓ Customized shaft
- ✓ Integral multi plate disc brake
- ✓ High speed versions
- ✓ Double shaft
- ✓ Super low noise
- ✓ Corrosion resistant material
- ✓ Through hole shaft of various sizes
- ✓ Custom finish
- ✓ Deep water submersible
- ✓ Non magnetic material
- ✓ Dual displacement

Features

- ✓ Long life
- ✓ High mechanical efficiency
- ✓ Constant torque output
- ✓ Smooth low speed performance < 1rpm
- ✓ Resistance to thermal shock
- ✓ Double shaft sealing
- ✓ Shrink disc coupling
- ✓ Shaft or flange mounting
- ✓ Shock resistance
- ✓ Low noise

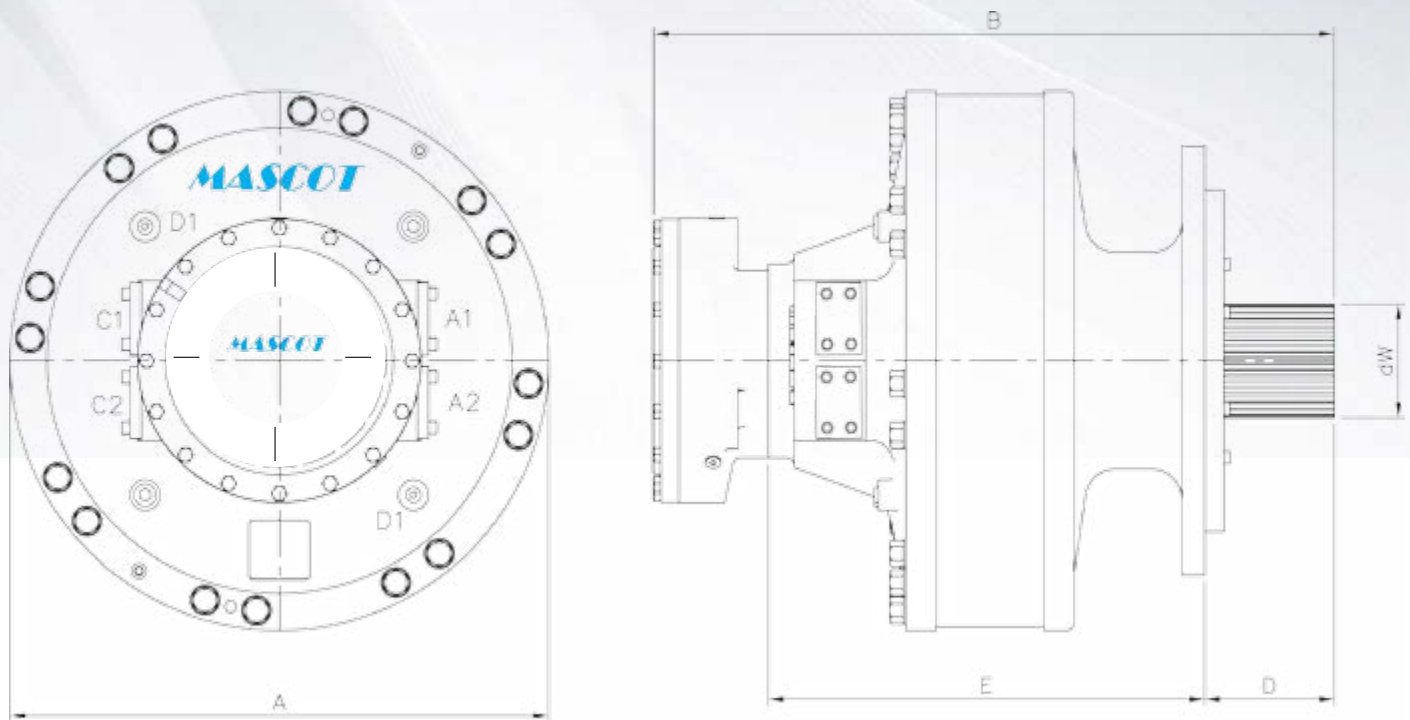
MOTOR FRAME SIZE	SPECIFICATION					
	DISP(*) PER REV	TORQUE (THEORETICAL)	TORQUE MAX	SPEED RATED	SPEED MAX**	PRESSURE RATED
METRIC	CM ³ /REV	NM/BAR	NM	RPM	RPM	BAR
HMS 9.0	9080	144	47520	80	120	345
HMS 13.5-15	13540	215	70950	75	110	345

**High speed version upon request.

* Any other displacement upon request.

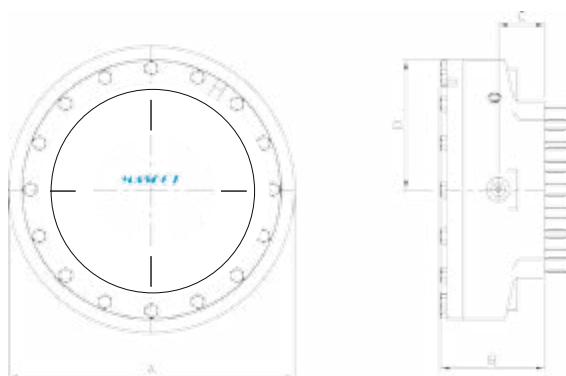
MDS series

Motor External shaft with male splines



Motor Type	A(MM)	B(MM)	DW(MM)	D(MM)	E(MM)	Weight (Kg)	Main Connec (A1,A2,C1,C2)	Drain Connec (D1,D2)
HMS 9.0	667	898	N150X5X30X28X10b	171	575	678	SAE 1 1/4"	BSP 3/4"
HMS 13.5-15	710	898	N150X5X30X28X10b	171	575	772	SAE 1 1/4"	BSP 3/4"

Brake (Static/Parking)



Motor Type	A(MM)	B(MM)	C(MM)	D(MM)	Break Release Pressure	Break Torque NM Max
HMS 9.0	374	152	64.5	187	20-30 Bar	42,000
HMS 13.5-15	374	152	64.5	187	20-30 Bar	50,000

* Technical Dimensions are subject to change without prior notice

Application for High Torque Gearless Hydraulic System



Pulp & Paperindustry

- ▶ waste paperhandling
- ▶ cooking process
- ▶ washing and bleaching

Rubber& Plastics

- ▶ winch drives
- ▶ steering
- ▶ dredgers
- ▶ crawlers
- ▶ drive barges

Mining

- ▶ kiln drivers
- ▶ driers
- ▶ chemical
- ▶ evaporators
- ▶ mixers
- ▶ reactors
- ▶ dryers

Power

- ▶ conveyor
- ▶ reclaimer
- ▶ stacker
- ▶ bogie drives
- ▶ unloaders

Marine

- ▶ mouldingmachines
- ▶ process machines
- ▶ belt process
- ▶ screw drives

Material Handling

- ▶ conveyors
- ▶ wagon tippers
- ▶ side arm charges
- ▶ paddle feeders
- ▶ apron feeders
- ▶ stacker reclaimers
- ▶ crushers

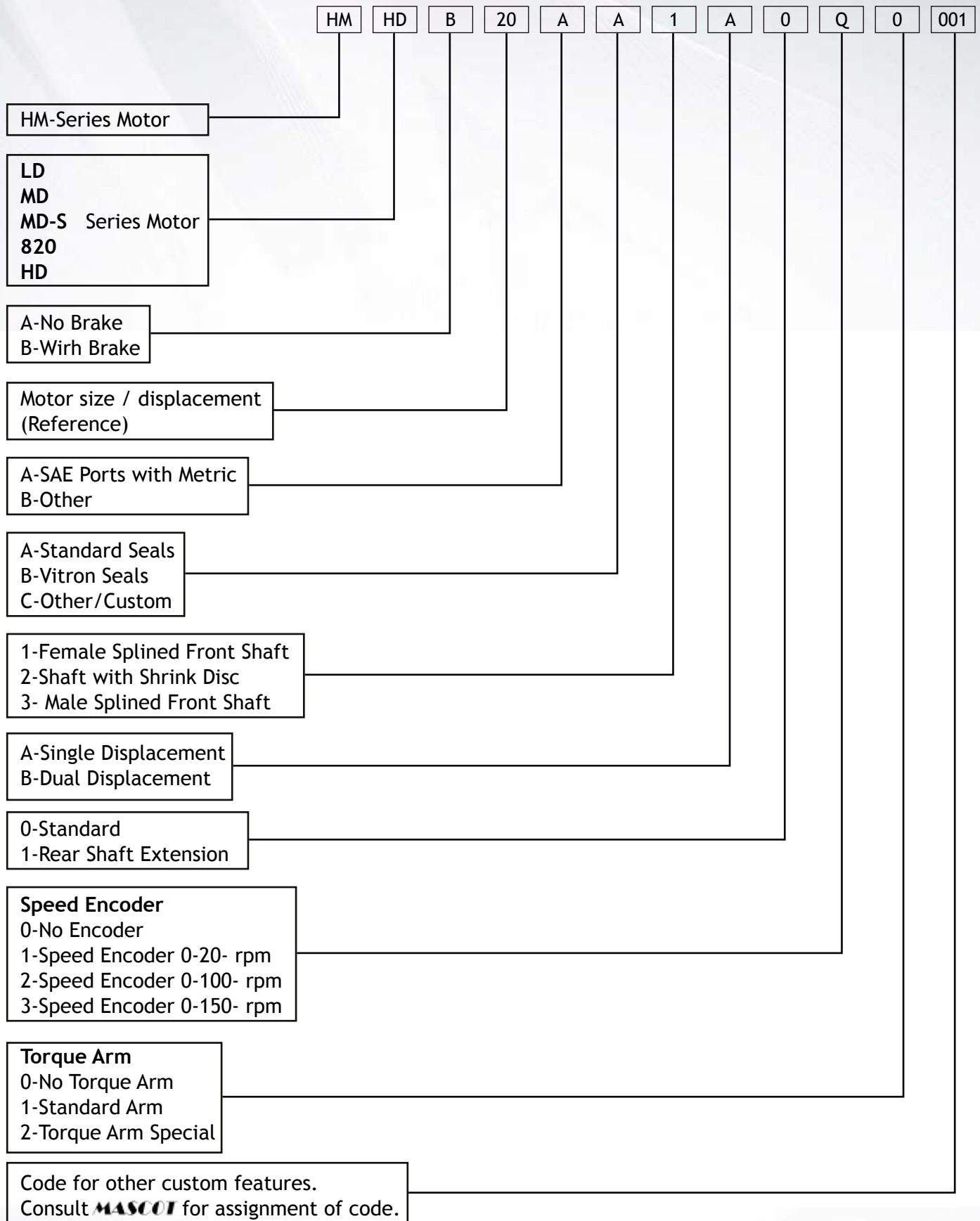
Cement

- ▶ mill drives
- ▶ pressure feeders
- ▶ cane carriers
- ▶ cane unloaders

Sugar

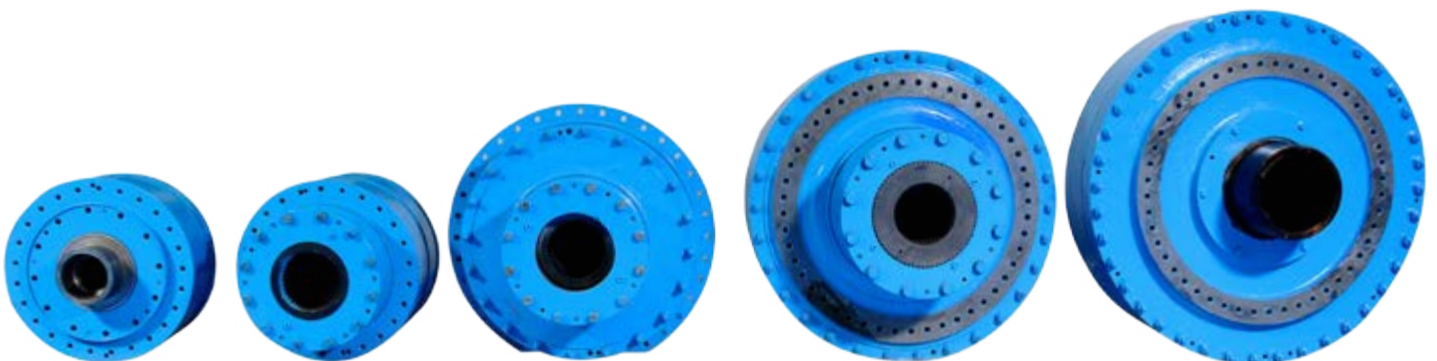
- ▶ ball mills
- ▶ bowl mills
- ▶ feeder conveyors
- ▶ ash handling
- ▶ feeding gates
- ▶ conveyors

Technical data sheet-model destination code





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MAHA HYDRAULICS PRIVATE LIMITED

Plot No. F - 62, SIPCOT Industrial Complex
Irungattukottai, Sriperumbudur Taluk
Kanchipuram District - 602 105
Tamil Nadu, India.

Tel : +91- 44 - 4719 3081 / 82 / 83
Fax : +91- 44 - 4719 3080
Email : sales@mahahydraulics.com
web : www.mahahydraulics.com