INTRODUCTION

This series of motor, with its shell made of ductile cast iron of adequate intensity, can be applied to situations with less load and interval operations, widely to agriculture, foresty, plastics, machine tools and min machines, such as the mould height adjustment of the injection, molding machine, the cleaner, the saw the worktable etc.

CHARACTERISTICS

1. The output shaft, with the deep groove ball bearing, can bear certain axial force and radial force
2. With the axial oil distribution, structure, it is of smaller size and less weight.
3. With two inner check valves, no drain connection.
4. With cycoid group with the roller, it has a small friction and high mechanical efficiency.

APPLICATION

- Conveyors
- Metal working machines
- Textile machines
- Feeding mechanism of robots and manipulators
- Machines for agriculture
- Food industries
- Grass cutting machinery etc.

SPECIFICATION DATA

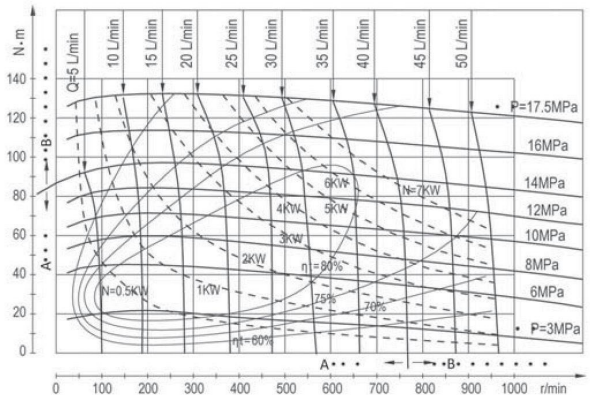
GEROTOR®

TYPE		GMR-50	GMR-80	GMR-100	GMR-125	GMR-160	GMR-200	GMR-250	GMR-315	GMR-400
Displacement (ml/r)		51.7	80.5	100.5	126.3	160.8	200.9	252.6	321.5	401.9
Max.Pressure.Drop (Mpa)	cont.	14	14	14	14	14	14	11	9	7
	int.	17.5	17.5	17.5	17.5	17.5	17.5	14	11	9
	peak.	20	20	20	20	20	20	16	13	11
Max torque (Nim)	cont.	93	152	194	237	310	369	380	380	380
	int.	118	189	236	296	378	450	470	470	470
	peak	135	216	270	338	433	509	540	540	540
Speed.Range(cont.)(r/min)		10-775	10-750	10-600	9-475	7-375	5-300	5-240	5-190	5-160
Max.Flow(cont.)(L/min)		40	60	60	60	60	60	60	60	60
Max.Output.Power(cont.)(Kw)		7	10	10	10	10	8	6	5	4
Weight (kg.)		6.5	6.9	7.0	7.3	7.5	8.0	8.5	9.0	11

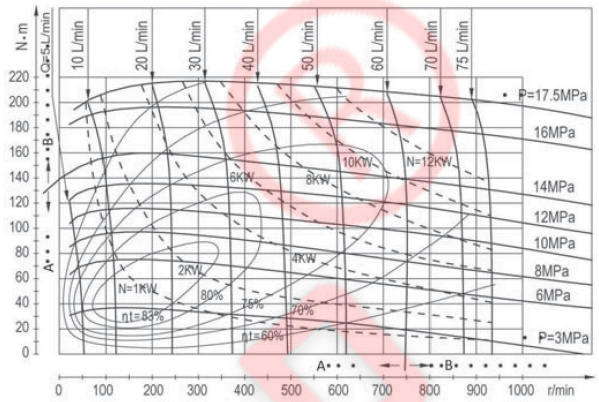
Intermittent operation the permissible values may occur for max. 10% of every minute
Peak, load: the permissible values may occur for max. 1% of every minute.

FUNCTION DIAGRAMS

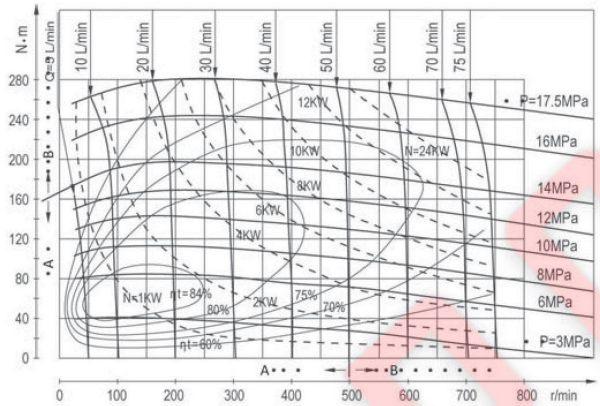
GMR - 50



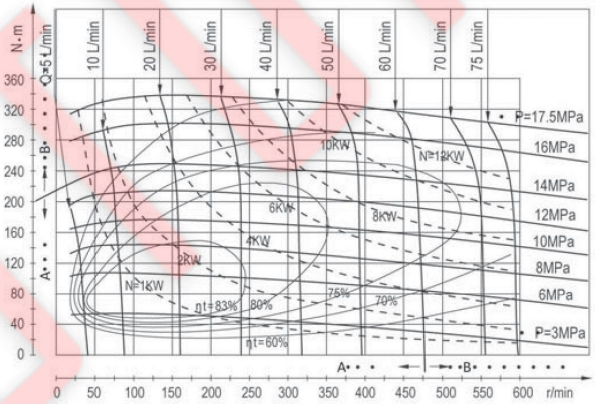
GMR - 80



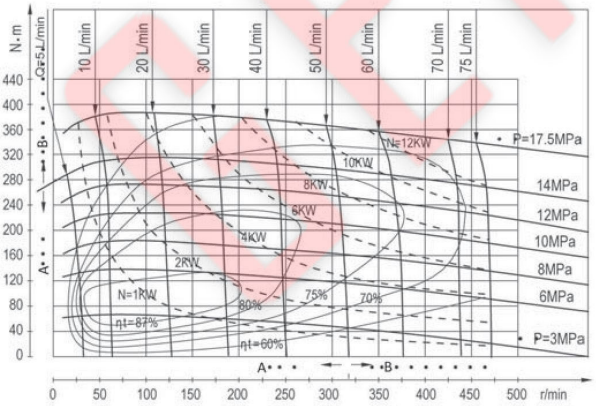
GMR - 100



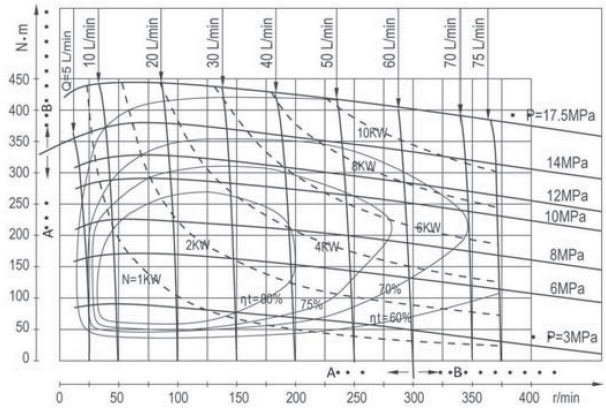
GMR - 125



GMR - 160

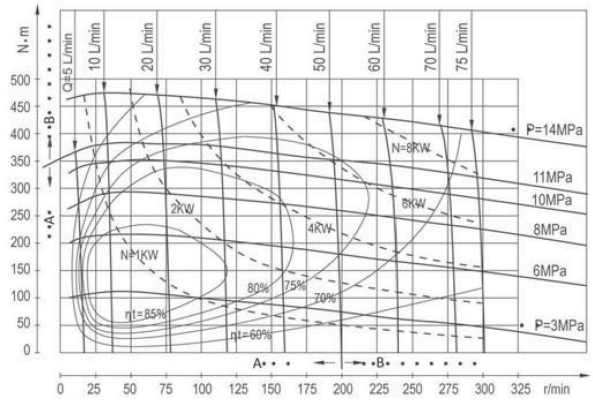


GMR - 200

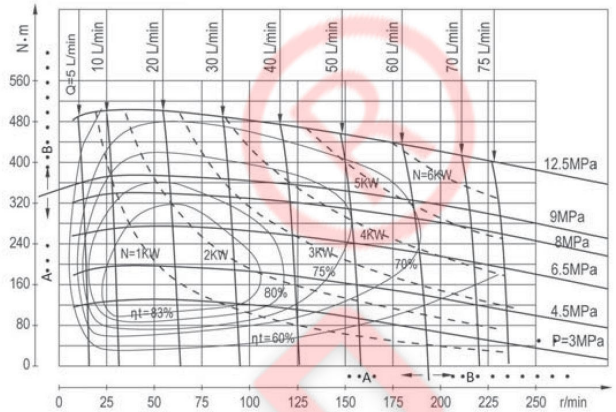


FUNCTION DIAGRAMS

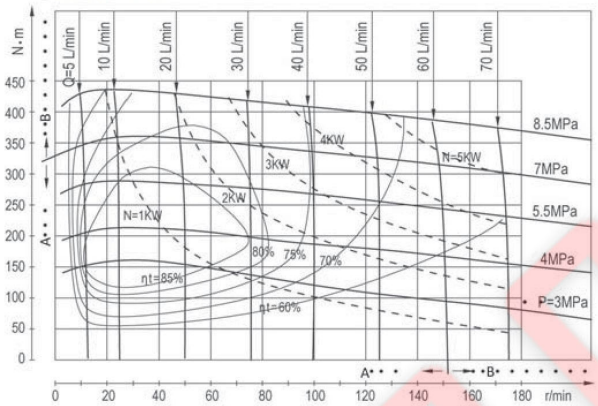
GMR - 250



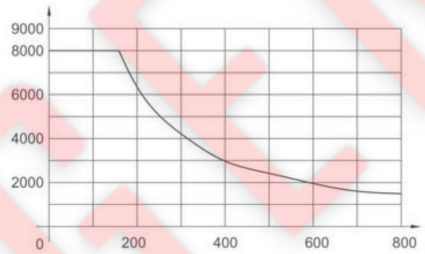
GMR - 315

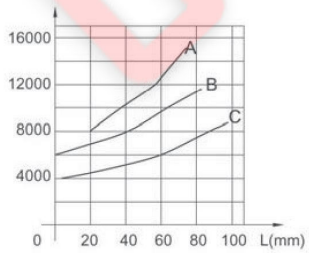


GMR - 400



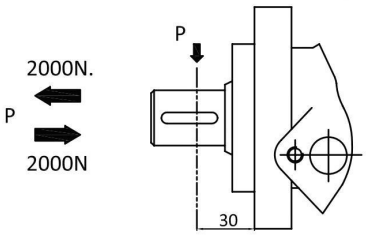
PERMISSIBLE SHAFT LOADS



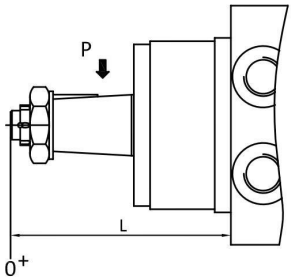


A:n= 50 r/min
B:n= 200 r/min
C:n= 800 r/min

GMR

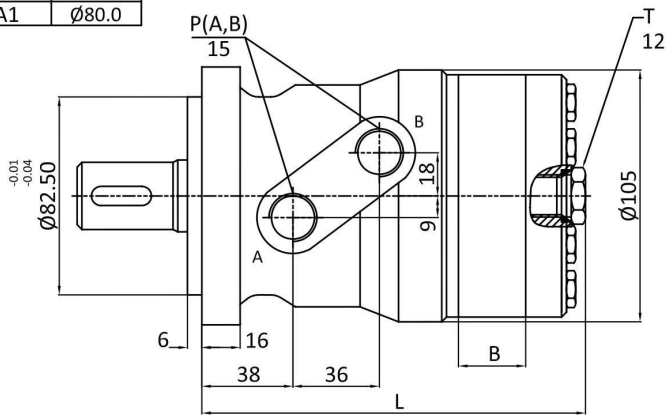


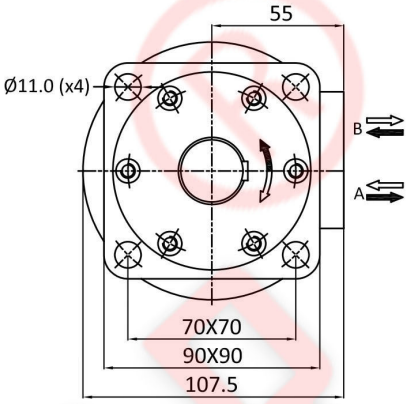
WHR



Version Square flange

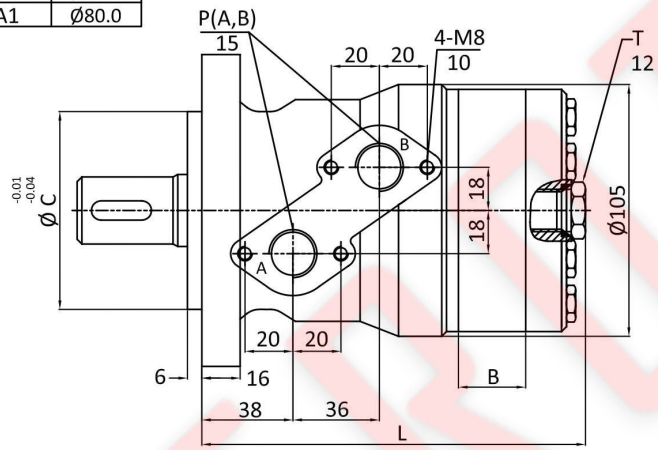
Flange	Ø C
A	Ø82.5
A1	Ø80.0

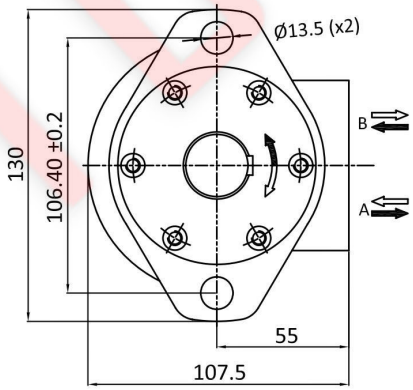




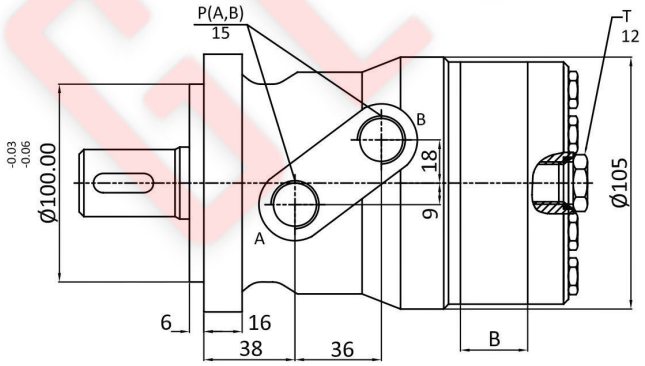
A II, A1 II Version 2-hole oval flange

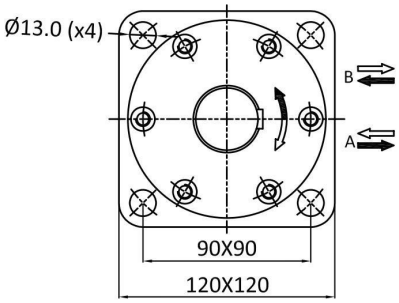
Flange	Ø C
A	Ø82.5
A1	Ø80.0



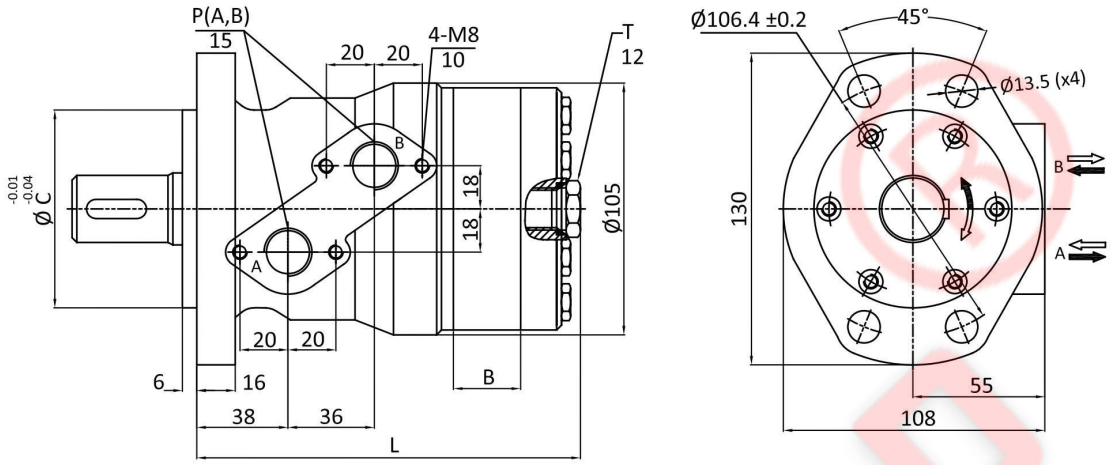


A2 III Version Square flange





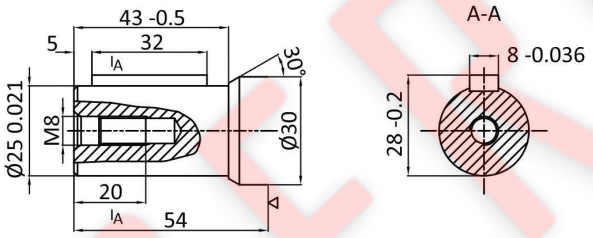
Version 4-hole oval flange



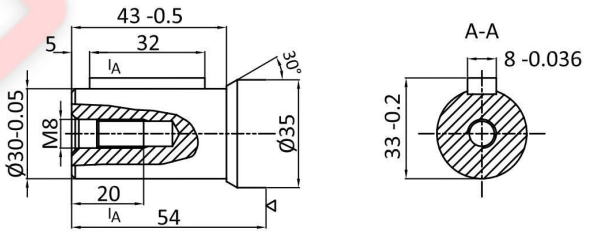
TYPE	GMR-50	GMR-80	GMR-100	GMR-125	GMR-160	GMR-200	GMR-250	GMR-315	GMR-400
L	141	146	150	154	160	167	176	188	202
B	9	14	17.5	22	28	35	44	56	70

SHAFT VERSION

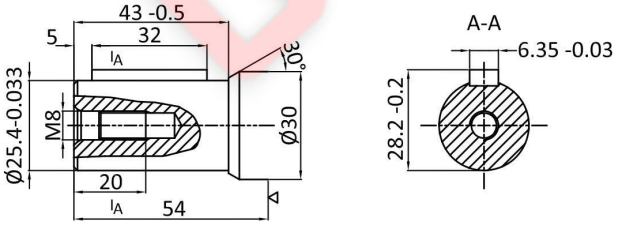
P1: Ø25, 8X7X32
Ø25 Cylidrical shaft, parallel key 8X7X32



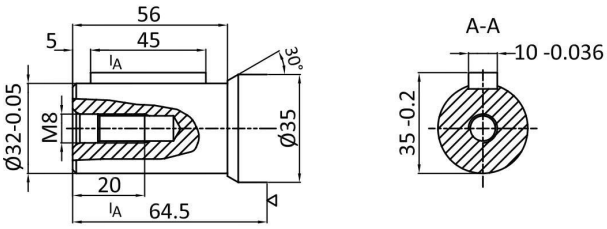
P2: Ø30, 8X7X32
Ø30 Cylidrical shaft, parallel key 8X7X32



P3: Ø25.4, 6.35X6.35X32
Ø25.4 Cylidrical shaft, parallel key 6.35X6.35X32

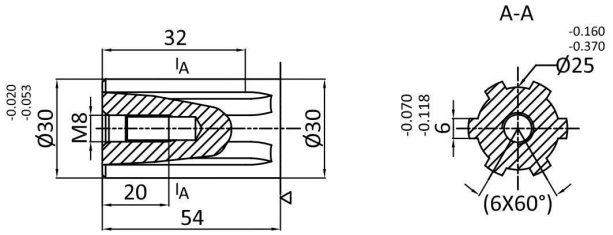


P5: Ø32, 10X8X45
Ø32 Cylidrical shaft, parallel key 10X8X45

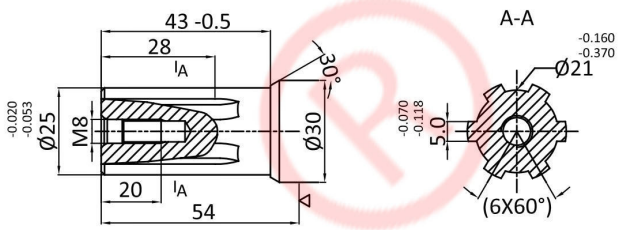


SHAFT VERSION

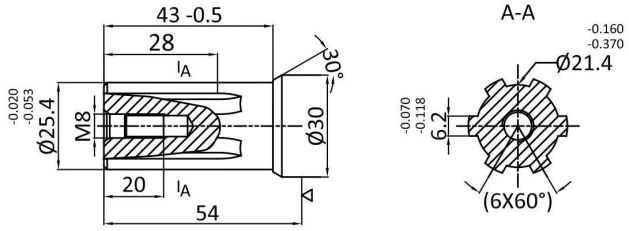
H1: Ø30, 6-30X25X6
Ø30 Splined shaft, 6-30X25X6



H2: Ø25, 6-25X21X5
Ø25 Splined shaft, 6-25X21X5



H3: Ø25.4, 6-25.4X21.4X6.2
Ø25.4 Splined shaft, 6-25.4X21.4X6.2



ORDERING CODE

		1	2	3	4
GMR	-				

1	Displacement
50, 80, 100, 125, 160, 200, 250, 315, 400	

2	Shaft
P1	Ø25, 8X7X32
P2	Ø30, 8X7X32
P3	Ø25.4, 6.35X6.35X32
P5	Ø32, 10X8X45
H1	Ø30, 6-30X25X6
H2	Ø25, 6-25X21X5
H3	Ø25.4, 6-25.4X21.4X6.2

3	Mounting Flange
A	4-Ø11, Ø82.5
A1	4-Ø11, Ø80
AII	2-Ø13.5, Ø82.5
A1II	2-Ø13.5, Ø80
A2III	4-Ø13, Ø100
A IV	4-Ø13.5, Ø82.5

4	Ports	
	P (A,B)	T
Y	G1/2	M14X1.5
Y1	M18X1.5	M14X1.5
Y2	M22X1.5	M14X1.5
Y5	7/8-14 UNF	M14X1.5
Y8	NPT 1/2	M14X1.5