

APPLICATION

- Conveyors
- Metal working machines
- Machines for agriculture
- Road building machines
- Mining machinery
- Food industries
- Special Vehicles
- Plastic & rubber machinery etc.

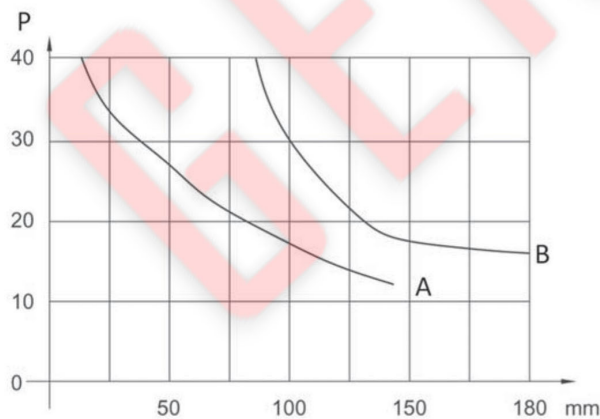


SPECIFICATION DATA

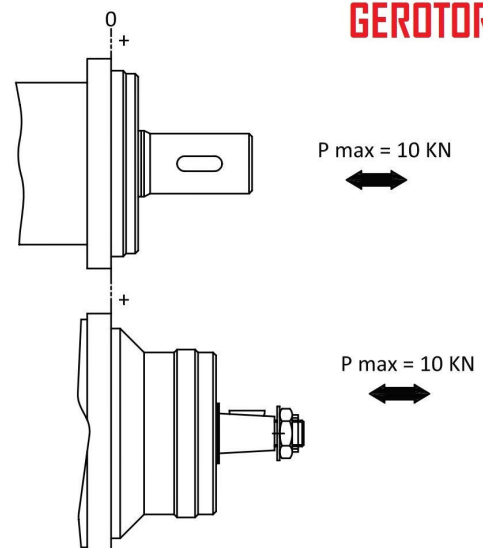
TYPE	GMT-160	GMT-200	GMT-250	GMT-315	GMT-400	GMT-500
Displacement (ml/r)	158.8	200.8	252.2	317.5	401.6	535.3
Max.Pressure.Drop (Mpa)	cont. 20	20	20	20	18	16
	int. 24	24	24	24	21	18
	peak. 28	28	28	28	24	21
Max torque (Nm)	cont. 450	561	710	902	1008	1121
	int. 559	714	883	1143	1255	1377
	peak 663	818	1021	1322	1431	1598
Speed.Range(cont.)(r/min)	10-625	9-625	8-500	7-380	6-305	5-240
Max.Flow(cont.)(L/min)	100	125	125	125	125	125
Max.Output.Power(cont.)(Kw)	20.1	25.2	25.2	25.2	22	31
Weight (kg.)	20.3	20.8	21.4	22.4	23	24

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.

PERMISSIBLE SHAFT LOADS

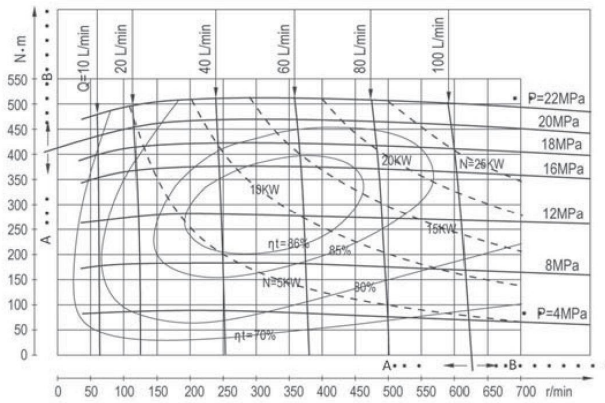


A-- GMT
B-- GMTW

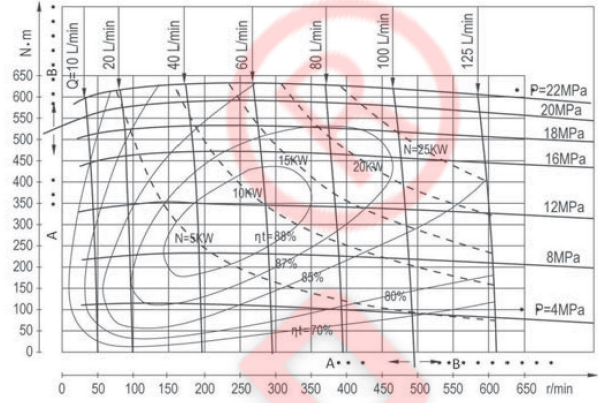


FUNCTION DIAGRAM

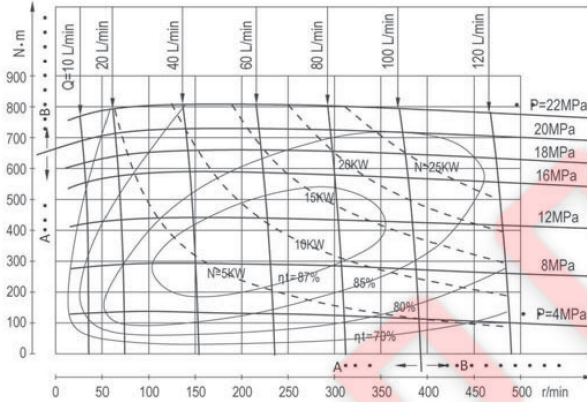
GMT - 160



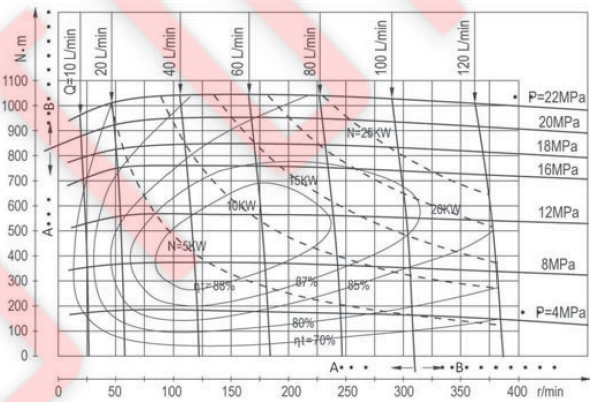
GMT - 200



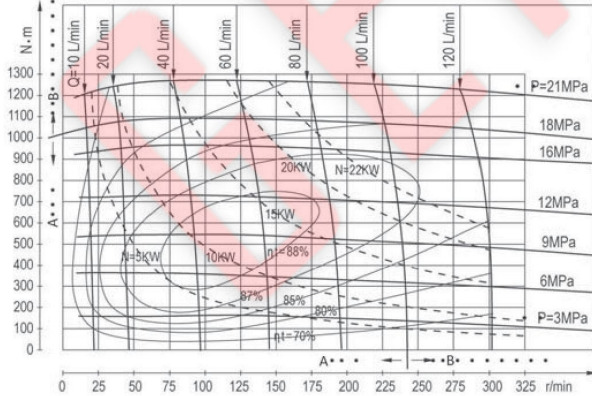
GMT - 250



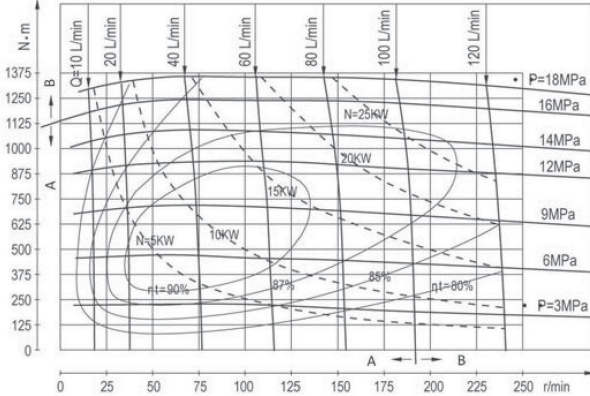
GMT - 315



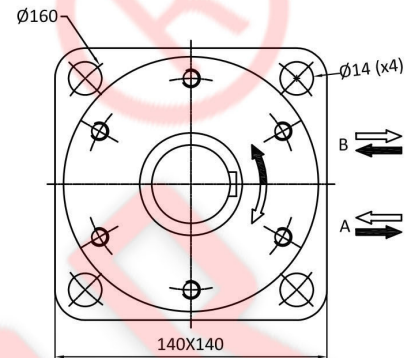
GMT - 400



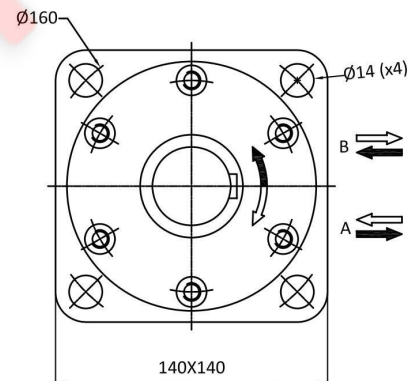
GMT - 500



Flange	Ø C
A	Ø125
A1	Ø90



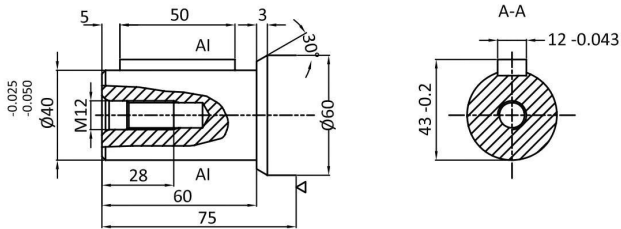
GEROTOR®



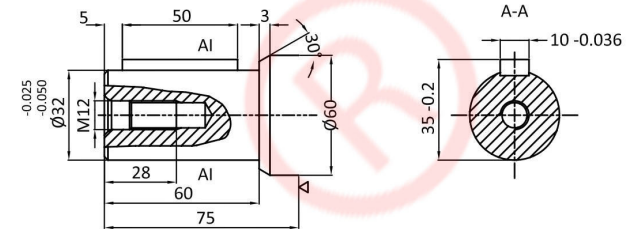
TYPE	GMT-160	GMT-200	GMT-250	GMT-315	GMT-400	GMT-500
L	212	216.5	222	229	238	257
L1	163	167	173	180	189	207
B	12	16.5	22	29	38	56.5
L2	200	205	210	217	226	245
L3	150	155	160	167	176	195

SHAFT VERSION

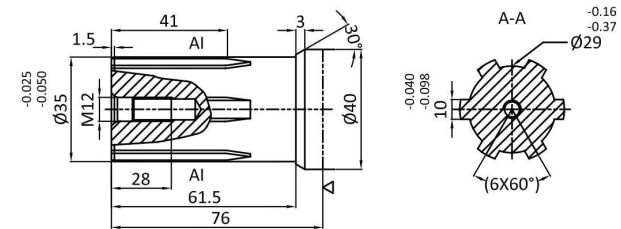
P: $\varnothing 40$, 12X8X50
 $\varnothing 40$ Cylindrical shaft, parallel key 12X8X50



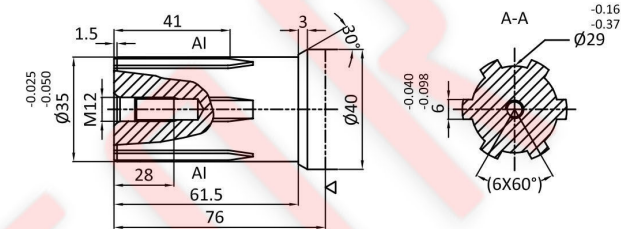
P1: $\varnothing 32$, 10X8X50
 $\varnothing 32$ Cylindrical shaft, parallel key 10X8X50



H4: $\varnothing 35$, 6-35X29X10
 $\varnothing 35$ Splined shaft, 6-35X29X10

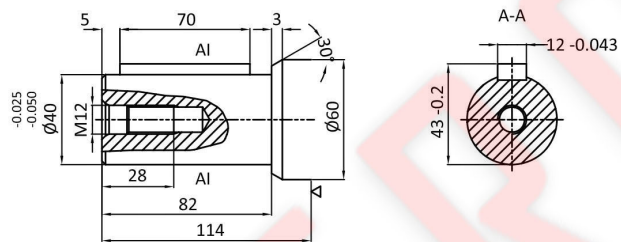


H5: $\varnothing 35$, 6-35X29X6
 $\varnothing 35$ Splined shaft, 6-35X29X6

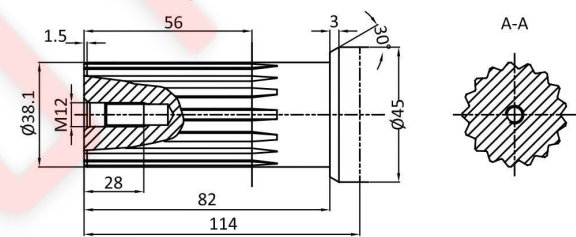


Only Match with A4 flange

P3: $\varnothing 40$, 12X8X70
 $\varnothing 40$ Cylindrical shaft, Parallel Key 12X8X70



K3: $\varnothing 38.1$, DP 12/24 z17 a30°
 $\varnothing 38.1$ Involute splined shaft, Pitch 12/24 Teeth 17
 Pressure angle 30°



ORDERING CODE

	1	2	3	4
GMT	-			

1	Displacement
---	--------------

160, 200, 250, 320, 400, 500

2	Shaft
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P	$\varnothing 40$, 12X8X50
P1	$\varnothing 32$, 10X8X50
P3	$\varnothing 40$, 12X8X70
H4	$\varnothing 35$, 6-35X29X10
H5	$\varnothing 35$, 6-35X29X6
K3	$\varnothing 38.1$, DP12/24 z17 a30°

3	Mounting Flange
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A	4- $\varnothing 14$, $\varnothing 125$
A1	4- $\varnothing 14$, $\varnothing 90$
A4	4- $\varnothing 14$, $\varnothing 125$

4	Ports
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	P (A,B)	T
Y	G3/4	G1/4
Y3	M27X2	M14X1.5
Y4	M22X1.5	M14X1.5
Y5	M20X1.5	M14X1.5

Calculation

$$\text{Flow lpm} = \frac{\text{Displ (cc/rev)} \times \text{speed (rpm)}}{1000}$$

$$\text{Torque [Nm]} = \frac{\text{Displ (cc/rev)} \times \text{Pr. (Bar or Kg/cm}^2\text{)}}{62.8}$$

Newton meter - Nm

1daNm = 10 Nm

$$\text{Power (kW)} = \frac{\text{Torque Nm} \times \text{rpm}}{9549}$$

(Fluid motor)

Flow versus - rpm

Pressure versus - torque

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