

ORBIT HYDRAULIC SYSTEM

Mobile : 9998789116
Mobile : 8000000816

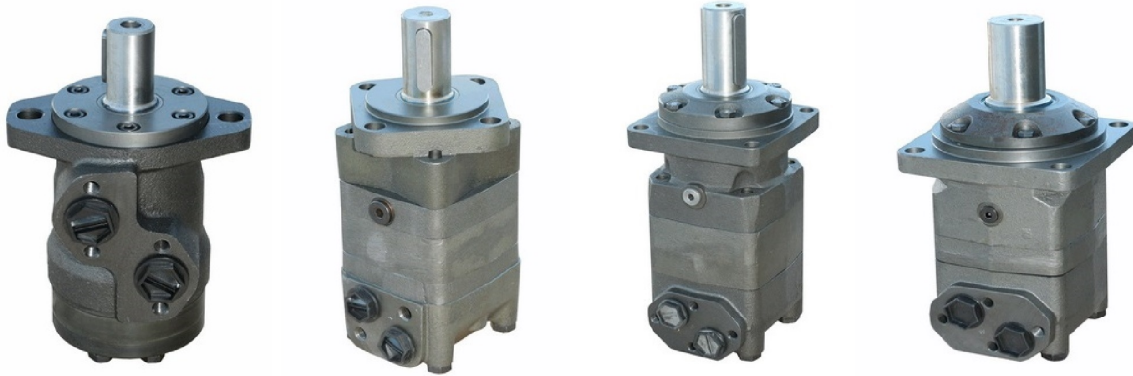
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Web : www.orbithydraulic.com

ORBIT Hydraulic Products Range Of Hydraulic Motors, Pumps, Valves, Power Packs, Mobile Control Valves

ORBIT

ORBIT make Hydraulic Motors of OHM OHP OHR OHH OHS OHT OHV Manufacturers & Suppliers in India



ORBIT HYDRAULIC MOTORS



www.orbithydraulic.com

OHT SERIES

APPLICATION

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



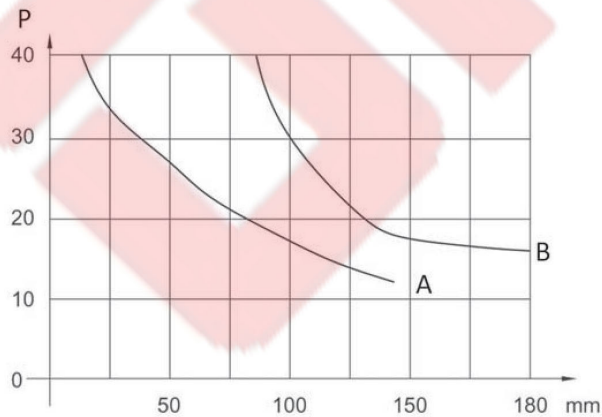
SPECIFICATION DATA

TYPE	OHT-160	OHT-200	OHT-250	OHT-315	OHT-400	OHT-500	
Displacement (ml/r)	158.8	200.8	252.2	317.5	401.6	535.3	
Max.Pressure.Drop (Mpa)	cont.	20	20	20	18	16	
	int.	24	24	24	24	18	
	peak.	28	28	28	28	24	21
Max torque (Nim)	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	

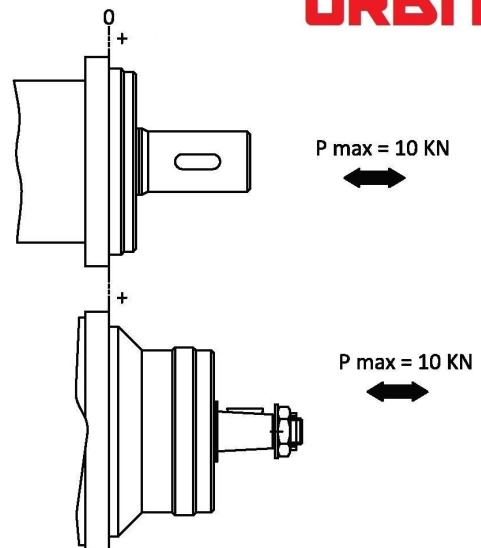
Intermittent operation the permissible values may occur for max. 10% of every minute
 Peak, load: the permissible values may occur for max. 1% of every minute.

PERMISSIBLE SHAFT LOADS

OHT Series Hydraulic Motors

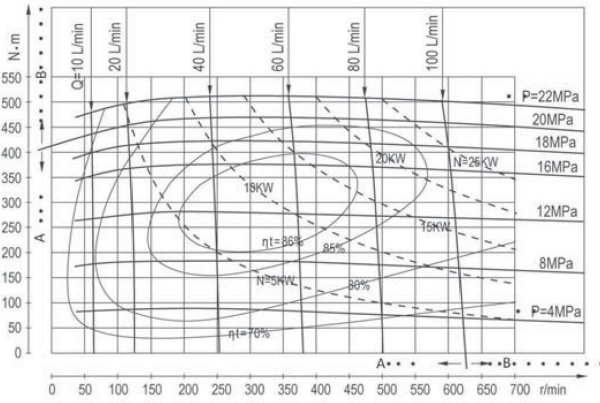


A-- OHT
 B-- OHTW

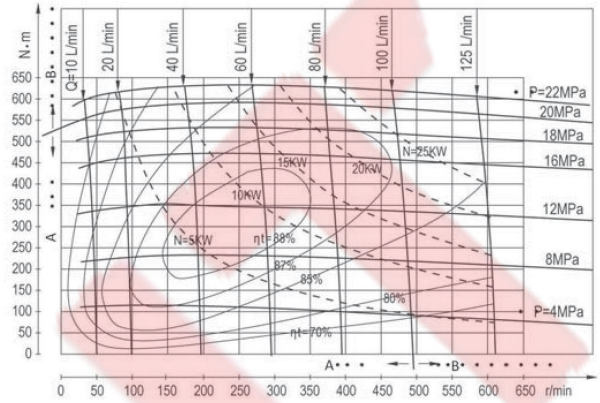


FUNCTION DIAGRAM

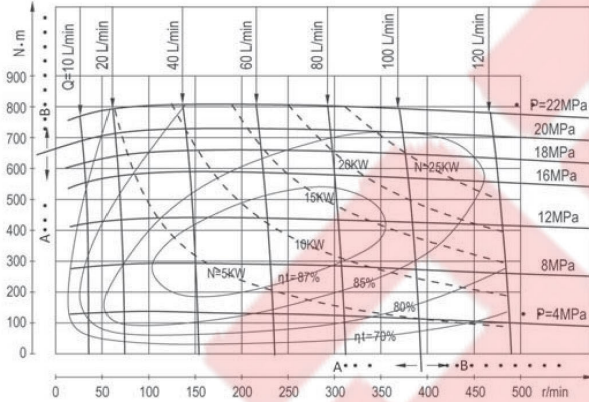
OHT - 160



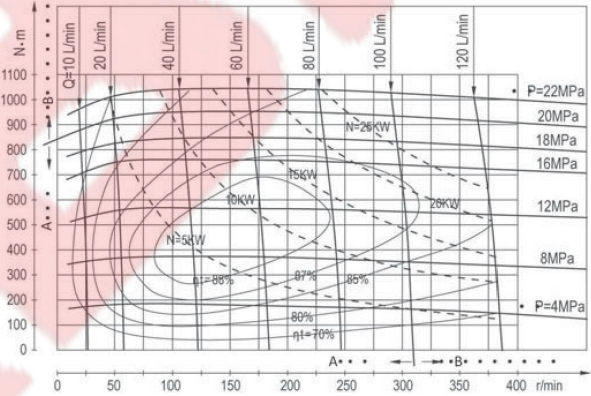
OHT - 200



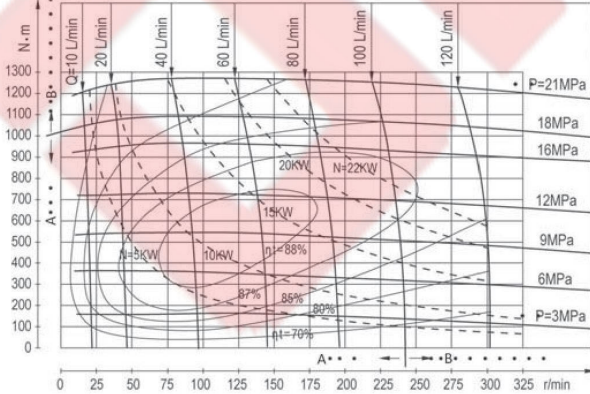
OHT - 250



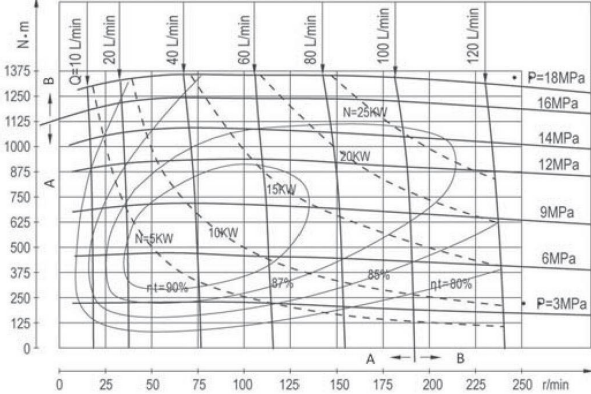
OHT - 315



OHT - 400



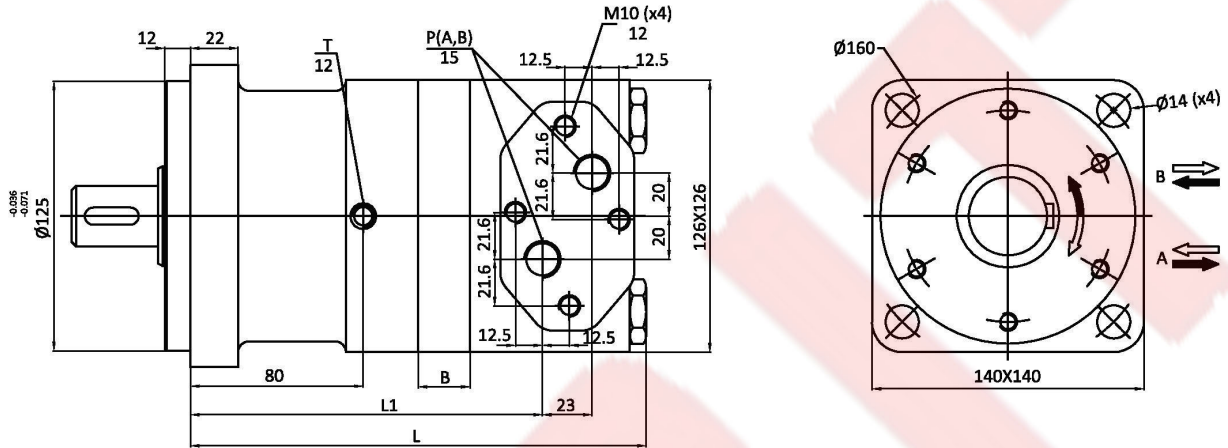
OHT - 500



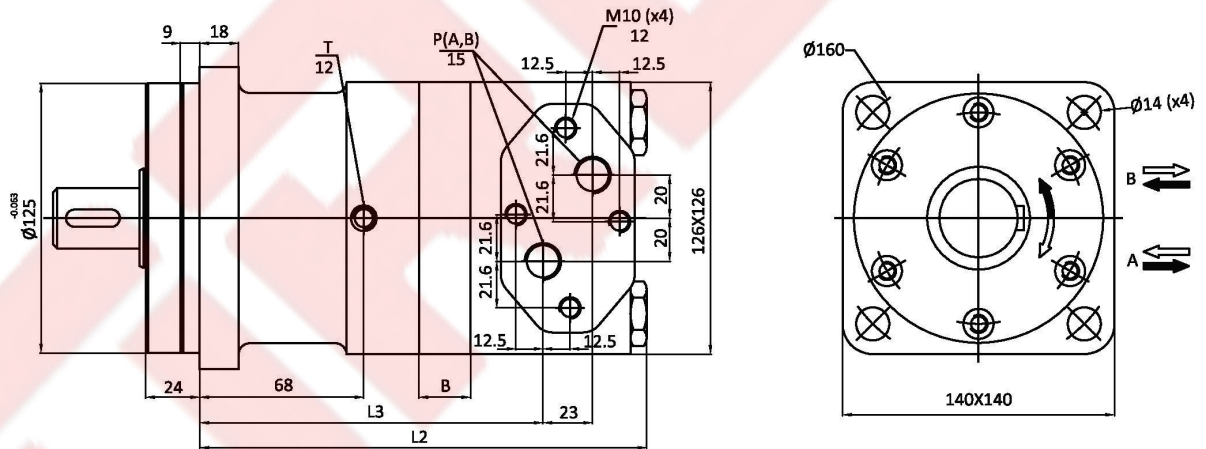
Installation

A, A1 Version Square flange

Flange	Ø C
A	Ø125
A1	Ø90



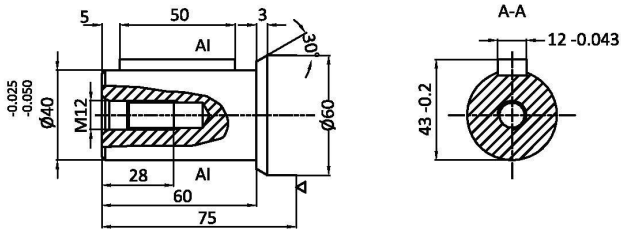
A, A1 Version Square flange



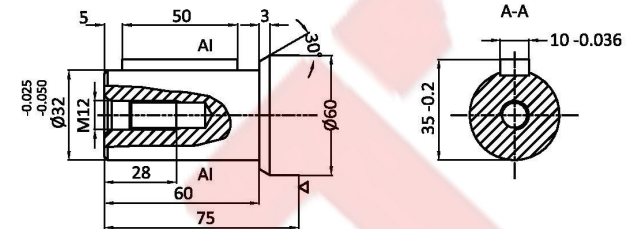
TYPE	OHT-160	OHT-200	OHT-250	OHT-315	OHT-400	OHT-500
L	212	216.5	222	229	238	257
L1	163	167	173	180	189	207
B	12	16.5	22	29	38	56.5
L2	200	205	210	217	226	245
L3	150	155	160	167	176	195

SHAFT VERSION

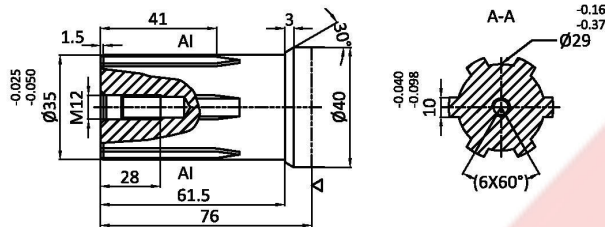
P: $\varnothing 40$, 12X8X50
 $\varnothing 40$ Cylindrical shaft, parallel key 12X8X50



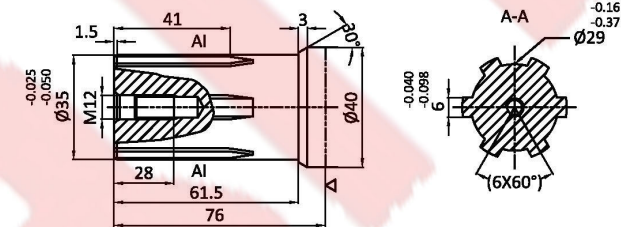
P1: $\varnothing 32$, 10X8X50
 $\varnothing 32$ Cylindrical shaft, parallel key 10X8X50



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

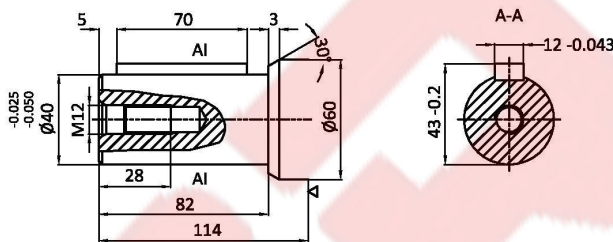


H5: $\varnothing 35$, 6-35X29X6
 $\varnothing 35$ Splined shaft, 6-35X29X6

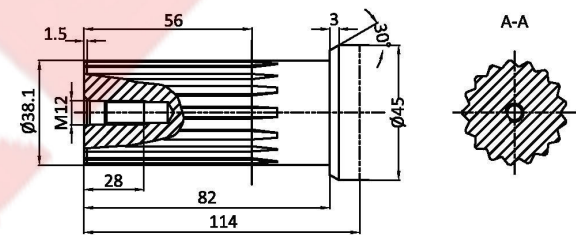


Only Match with A4 flange

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
OHT	-			

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

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

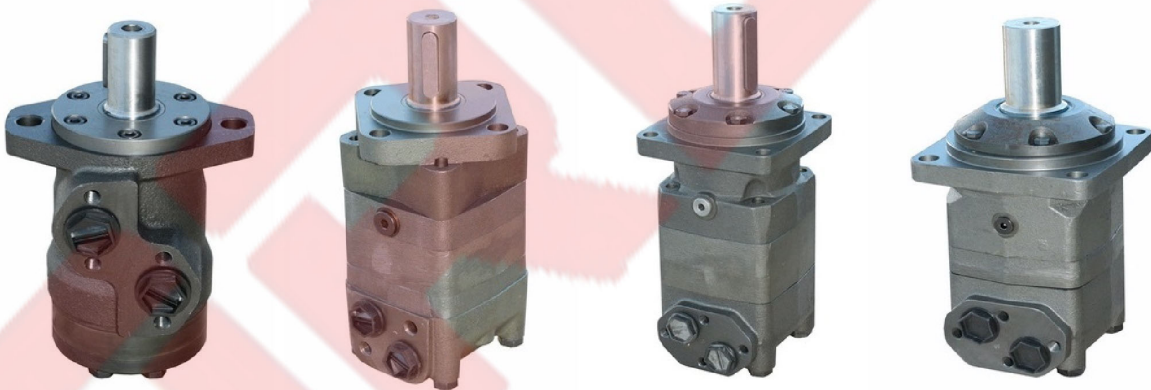
Torque [Nm] = $\frac{\text{Displ (cc/rev)} \times \text{Pr. (Bar or Kg/cm}^2\text{)}}{62.8}$

Newton meter - Nm

1daNm = 10 Nm

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

Flow versus - rpm
Pressure versus - torque



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