



ORBITAL HYDRAULIC MOTOR

MODEL BMR



WWW.OLEODINAMICAMOZIONI.IT

BMR 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 OPERATION, WIDELY TO AGRICULTURE, FORESTRY, PLASTICS, MACHINE TOOLS AND MIN MACHINES, SUCH AS THE MOULD HEIGHT ADJUSTMENT OF THE INJECTION MOLDING MACHINE, THE CLEANER, THE SAWMILL THE WORKTABLE ETC.



- 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 CECOID GROUP WITH THE ROLLER, IT HAS A SMALL FRICTION AND HIGH MECHANICAL EFFICIENCY.

BMR TECHNICAL DATA

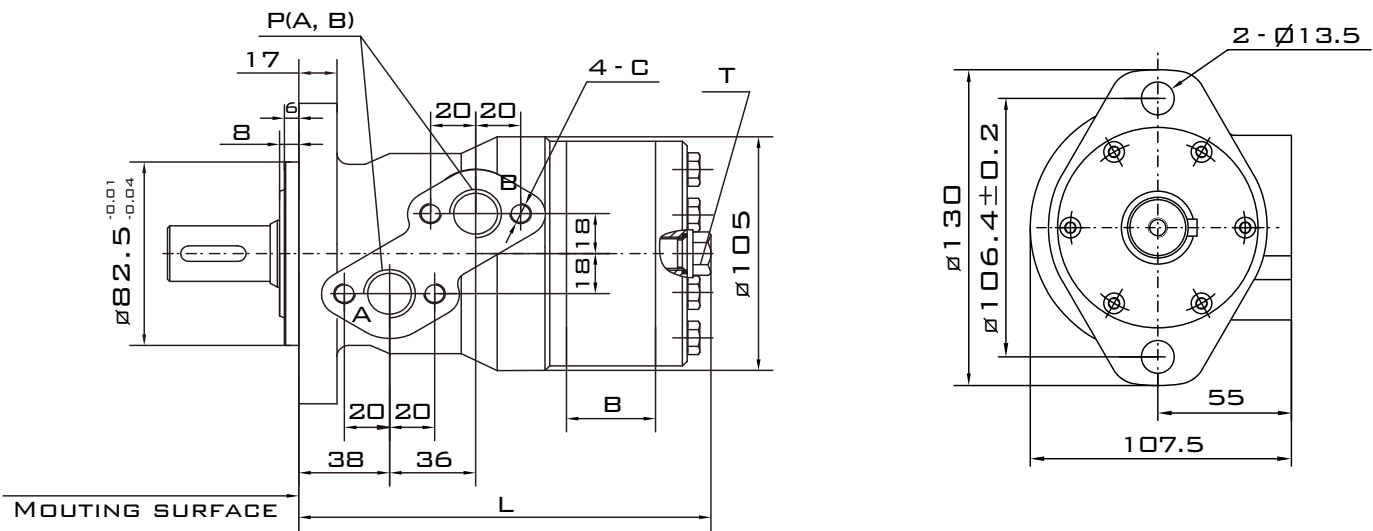
TYPE		BMR 25	BMR 32	BMR 50	BMR 80	BMR 100	BMR 125	BMR 160	BMR 200	BMR 250	BMR 315	BMR 400
DISPLACEMENT (ML/R)		25.2	32.5	51.7	80.5	100.5	126.3	160.8	200.9	252.6	321.5	401.9
MAX.PRESSURE. DROP (MPa)	CONT.	10	10	14	14	14	14	14	14	11	9	7
	INT.	13	13	17.5	17.5	17.5	17.5	17.5	17.5	14	11	9
	PEAK.	17	17	20	20	20	20	20	20	16	13	11
MAX.TORQUE (N·M)	CONT.	34	41	93	152	194	237	310	369	380	380	380
	INT.	53	56	118	189	236	296	378	450	470	470	470
	PEAK.	72	83	135	216	270	338	433	509	540	540	540
MAX.SPEED (CONT.) (R/MIN)		1550	1230	770	745	595	475	370	295	235	185	150
MAX.FLOW (CONT.) (L/MIN)		40	40	40	60	60	60	60	60	60	60	60
MAX.OUTPUT.POWER (CONT.) (KW)		4.5	4.5	7	10	10	10	10	8	6	5	4
WEIGHT (KG)		5.2	5.9	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.



BMR INSTALLATION

TYPE	BMR 25	BMR 32	BMR 50	BMR 80	BMR 100	BMR 125	BMR 160	BMR 200	BMR 250	BMR 315	BMR 400
L	140	142	143	148	151.5	156	162	169	178	190	204
B	5	7	9	14	17.5	22	28	35	44	56	70



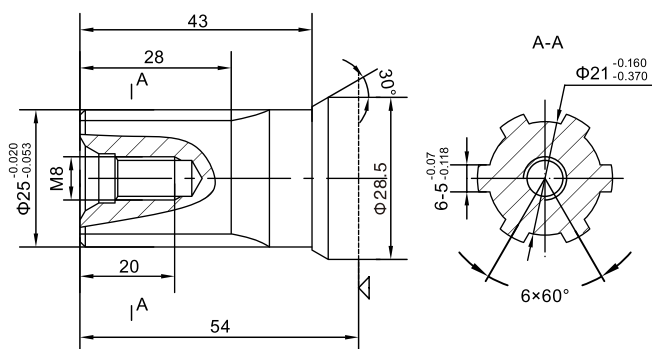
2 - HOLE OVAL FLANGE A

BMR PORTS CODE

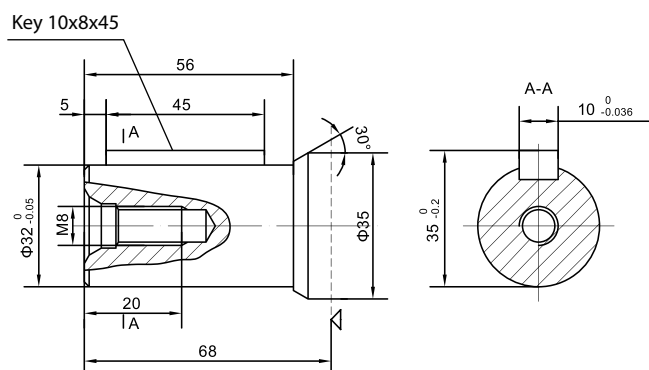
CODE	PORTS	P(A,B)(DEEP)	C (DEEP)	T (DEEP)
Y10		G1/2 (15)	M8 (13)	G1/4 (12)

NOTE: P(A,B) — PORTS, C — MOUNTING THREAD, T — DRAIN CONNECTION

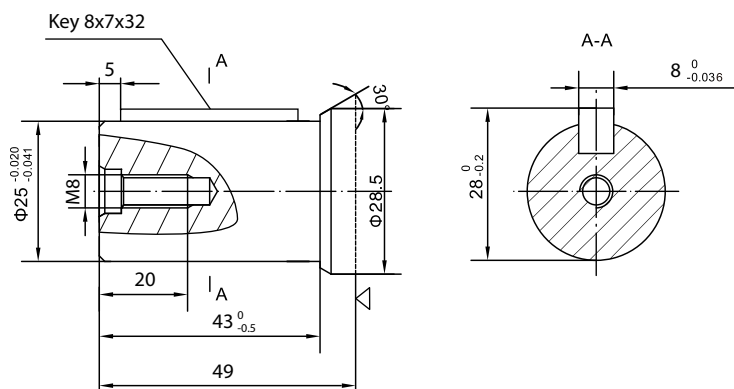
ORBITAL HYDRAULIC MOTOR



H2: Ø25 SPLINED SHAFT,
6 - 25x21x5



P52: Ø32 STRAIGHT SHAFT,
PARALLEL KEY 10x8x45



P4: Ø25 STRAIGHT SHAFT,
PARALLEL KEY 8x7x32



HYDRAULIC MOTORS

BMR

ORBITAL HYDRAULIC MOTOR

ORDER CODE

BMR	-				/	-
-----	---	--	--	--	---	---

SERIES	BMR
DISPLACEMENT	25 32 50 80 100 125 160 200 250 315 400

OUTPUT	
P4 =	Ø25 STRAIGHT SHAFT, PARALLEL KEY 8X7X32
P52 =	Ø32 STRAIGHT SHAFT, PARALLEL KEY 10X8X45
H2 =	Ø25 SPLINED SHAFT, 6 - 25X21X5

ROTATION DIRECTION
OMIT = STANDART
L = OPPOSITE

SPECIAL FEATURES
OMIT = STANDART
T7 = WITH DUSTPROOF RING
T10 = WITH HIGH PRESSURE SEALS

PORTS
PORTS(A,B)(DEEP) DRAIN PORT T(DEEP)
Y10 = G1/2(15) G1/4(12)

FLANGE
A = 2 - Ø13.5 OVAL FLANGE, PILOT Ø82.5X6