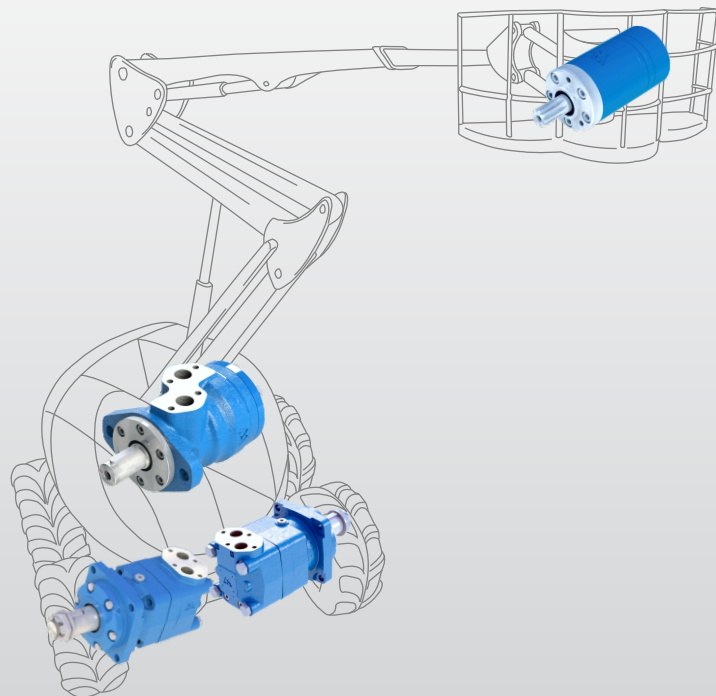




NEW BULGARIAN HYDRAULICS
&
ELECTRICAL MOTORS



Hydraulic Orbital Motors
Hydrostatic Steering Units & Accessories
Hydraulic/Motor Brakes & Valves
Axial Piston Pumps and Motors
Gear Pumps & Motors
Flow and Pressure Control Valves
Directional Control Valves
Hand Pumps
Pump Over Gear
AC/DC Motors

M+S HYDRAULIC

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HYDRAULIC COMPONENTS AND SYSTEMS
caproni

INDUSTRIALTECHNIC SC

HTS
HYDRAULIC ELEMENTS & SYSTEMS



UB:Motors



LIGHT DUTY MOTORS MM MP MR MH



HYDROSTATIC STEERING UNITS ACCESSORIES



MEDIUM DUTY MOTORS MS MT MV



HEAVY DUTY MOTORS



HYDRAULIC BRAKES MOTOR BRAKES



MOTORS OVERVIEW

Motor Type	Displacement cm ³ /rev.[in ³ /rev]	Pressure Drop (continuous/Intermittent/Peak) bar [PSI]	Oil Flow (continuous) l/min [US gal/min]	Max.Output (Intermittent) kW [hp]
MM	8÷50	105/140/200	20	3.2
MLHM	[0.5÷3.05]	[1500/2030/2900]	[5.5]	[4.3]
MP	25÷630	140/175/225	60	12.8
MLHP	[1.52÷38.05]	[2030/2540/3260]	[16]	[17.1]
MR, RW	50÷400	175/200/225	60	15
MLHR, MLHRW	[3.14÷24.4]	[2540/2900/3260]	[16]	[20.1]
HP	25÷630	125/175	60	14.7
	[1.25÷38.05]	[1815/2540]	[16]	[19.7]
HR	50÷400	140/175	60	15
	[3.14÷24.4]	[2030/2540]	[16]	[20.1]
MH	200÷500	175/200/225	75	18.5
MLHH	[12.3÷30.7]	[2540/2900/3260]	[20]	[24.8]
HW	125÷550	205/225	75	21.6
	[7.69÷33.55]	[2970/3260]	[20]	[29]
MS	80÷565	210/275/295	75	23
MLHS	[4.91÷34.47]	[3050/3990/4280]	[20]	[30.8]
MSY	160÷550	200/225	75	24
MLHSY	[9.63÷33.55]	[2900/3270]	[20]	[32.2]
MYZ, MTK	200÷475	205/250	90	22
	[12.2÷28.96]	[3000/3625]	[24]	[29.5]
MT	160÷725	200/240/280	125	40
MLHT	[9.83÷44.2]	[2900/3450/4050]	[33]	[54]
MTM, TMF	200÷725	250/350/400	125	70
MLHTM	[12.29÷44.2]	[3600/5080/5800]	[33]	[94]
MV	315÷800	200/240/280	200	56
MLHV	[19.18÷48.91]	[2900/3450/4050]	[53]	[76]
MVM, VMF	315÷800	250/350/400	200	112
	[19.18÷48.91]	[3600/5080/5800]	[53]	[150]



STEERING UNITS OVERVIEW

Unit Type	Displacement cm ³ /rev.[in ³ /rev]	Rated Pressure bar [PSI]
XY	85 ÷ 145 [5.19 ÷ 8.85]	150 [2175]
HKUM	32 ÷ 100 [1.95 ÷ 6.10]	125 [1815]
HKU.../3	40 ÷ 400 [2.44 ÷ 24.41]	40 cm ³ ÷50 cm ³ - 140 [2030] 63 cm ³ ÷400 cm ³ - 170 [2465]
HKU.../4	40÷1000 [2.44 ÷ 61.02]	40 cm ³ ÷50 cm ³ - 140 [2030] 63 cm ³ ÷500 cm ³ - 170 [2465] 630 cm ³ ÷800 cm ³ - 140 [2030] 1000 cm ³ - 100 [1450]
HKU.../4PB	40÷125 [2.44 ÷ 8.85]	125 [1815]
HKU.../5T	40÷630 [2.44 ÷ 38.45]	40 cm ³ - 125 [1815] 50 cm ³ - 150 [2175] 63 cm ³ ÷630 cm ³ - 175 [2540]
HKU.../7	40÷800 [2.44 ÷ 48.82]	40 cm ³ - 125 [1815] 50 cm ³ - 140 [2030] 63 cm ³ ÷800 cm ³ - 175 [2540]
HKUS.../3	40÷500 [2.44 ÷ 30.51]	40 cm ³ ÷50 cm ³ - 140 [2030] 63 cm ³ ÷500 cm ³ - 170 [2465]
HKUS.../4	40÷500 [2.44 ÷ 30.51]	40 cm ³ ÷50 cm ³ - 140 [2030] 63 cm ³ ÷500 cm ³ - 170 [2465]
HKUS.../5	40÷500 [5.19 ÷ 30.51]	40 cm ³ - 125 [1815] 50 cm ³ - 150 [2175] 63 cm ³ ÷630 cm ³ - 175 [2540]
HKUL.../5DT	500÷1000 [5.19 ÷ 61.02]	175 bar
HKUS.../8	40÷500 [5.19 ÷ 30.51]	40 cm ³ ÷50 cm ³ - 140 [2030] 63 cm ³ ÷500 cm ³ - 170 [2465]

Motor Type	Displacement cm ³ /rev. [in ³ /rev]	Pressure Drop (continuous/Intermittent/Peak) bar [PSI]	Speed of Rotation (continuous) rpm	Max. Output (continuous) kW [hp]
MAM	20÷50 [1.25÷3]	250/300/350 [3625/4350/5080]	3500	50 [67]
MA2V	2÷50 [0.12÷3]	250/300/350 [3625/4350/5080]	3500	50 [67]
MAP28	22÷28 [1.35÷1.74]	350/420/450 [5080/6100/6530]	4200	48 [64]
MAP62	36÷62 [2.21÷3.81]	350/420/450 [5080/6100/6530]	4000	80 [107]
MAP100	63÷100 [3.88÷6.03]	350/420/450 [5080/6100/6530]	3500	130 [174]



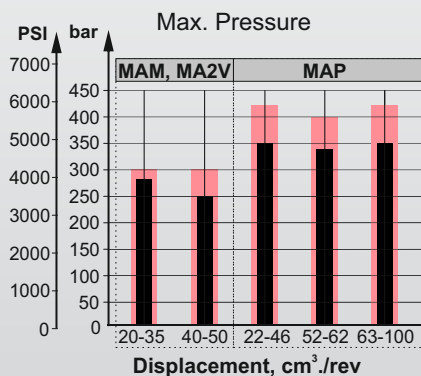
AXIAL PISTON MOTORS MA2V
TWO SPEED MEDIUM DUTY



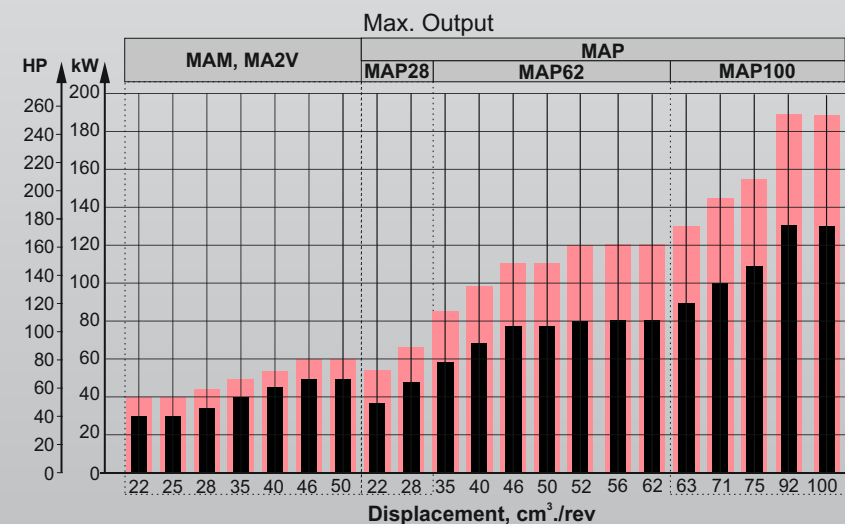
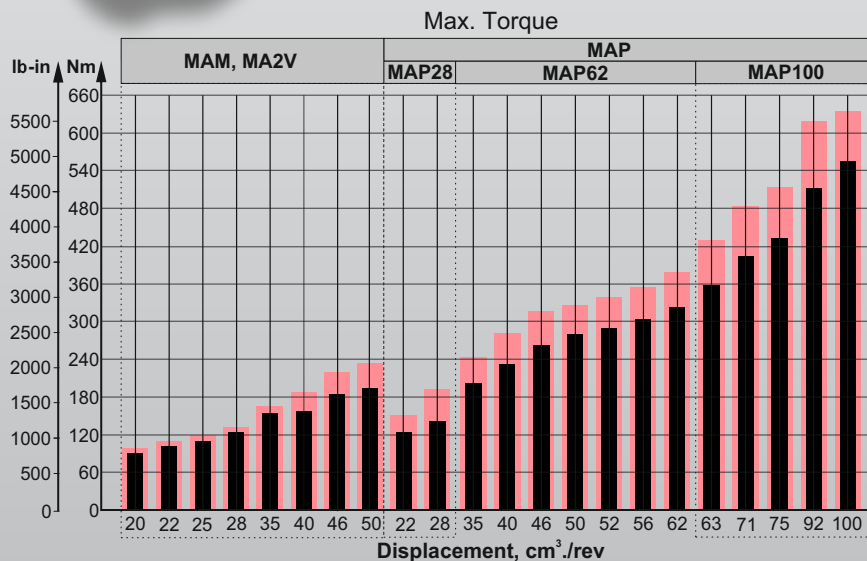
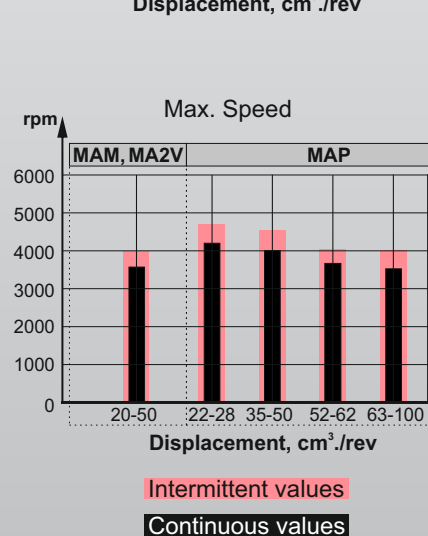
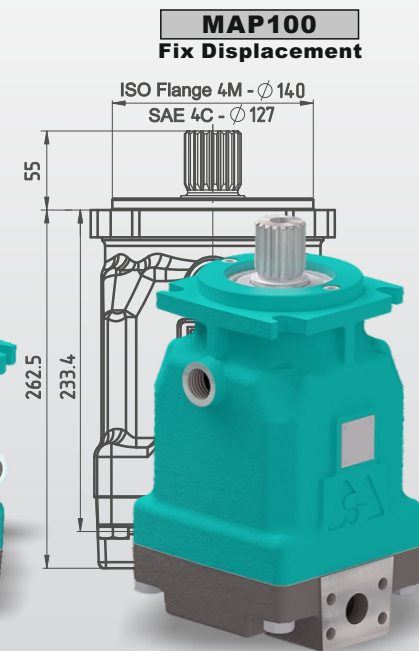
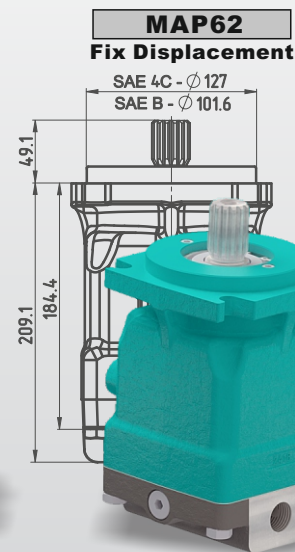
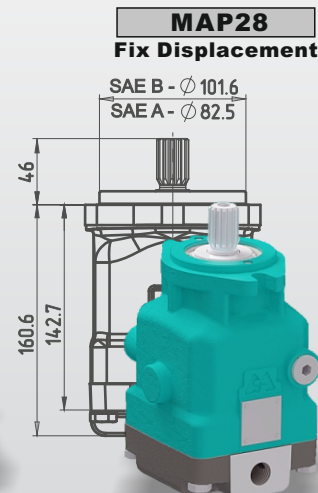
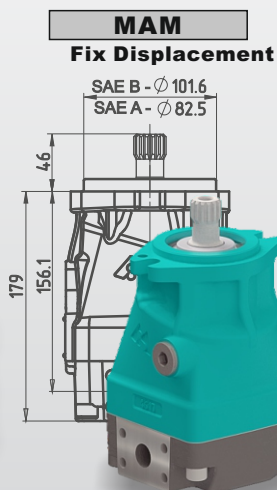
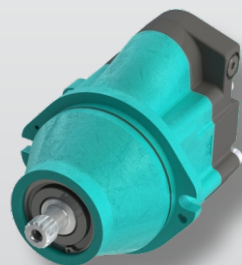
AXIAL PISTON MOTORS MAM
FIX DISP. MEDIUM DUTY



AXIAL PISTON MOTORS MAP
FIX DISP. HEAVY DUTY

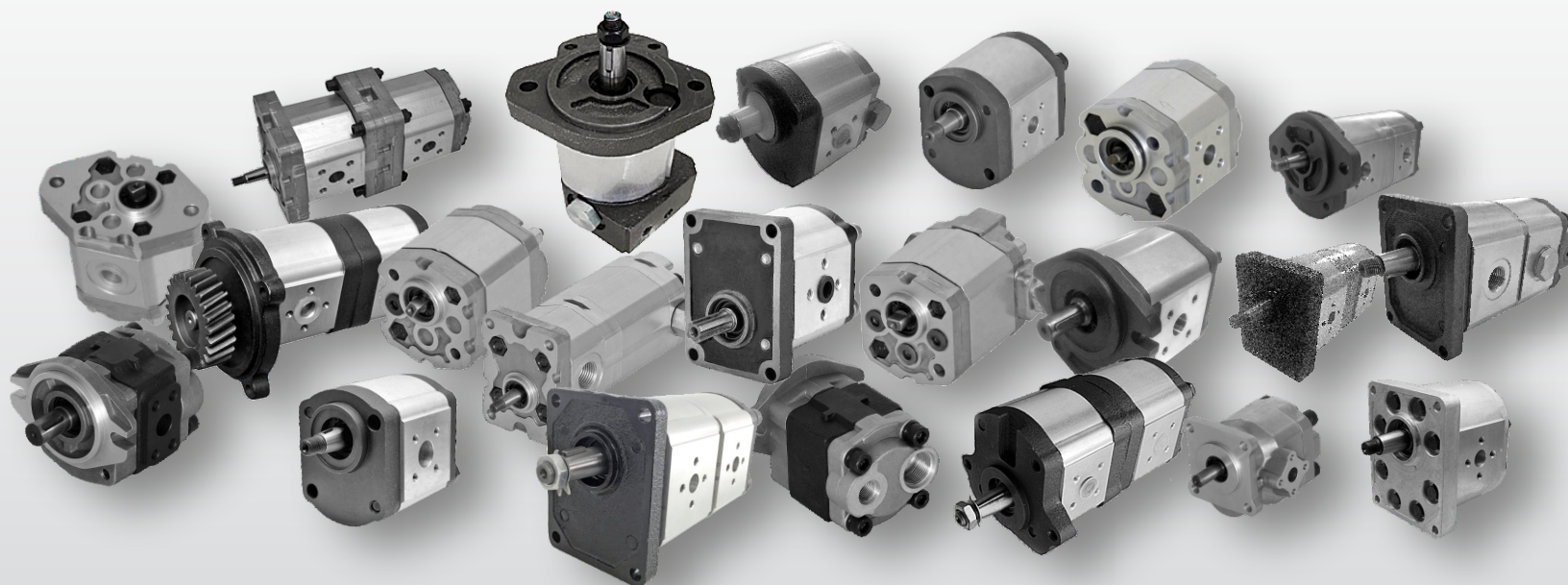


M2AV
Two Speed Motor

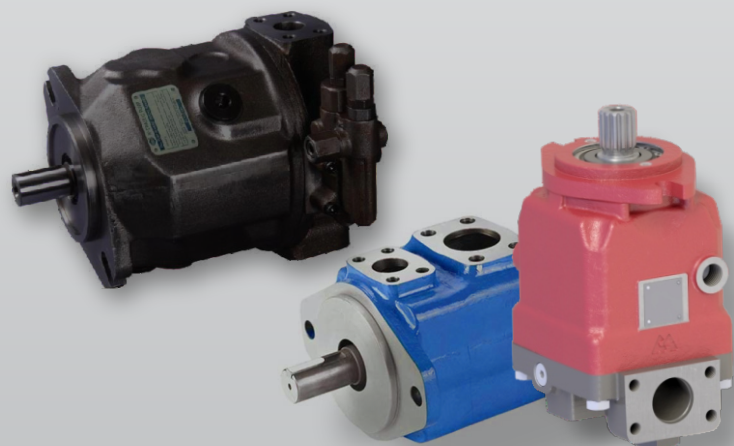




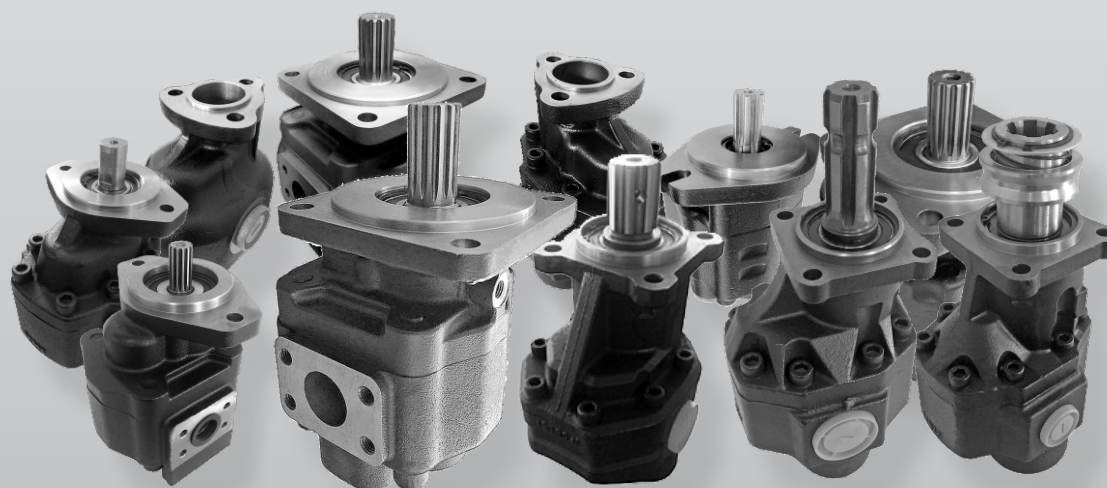
GEAR PUMPS



AXIAL PISTON PUMPS
AND MOTORS

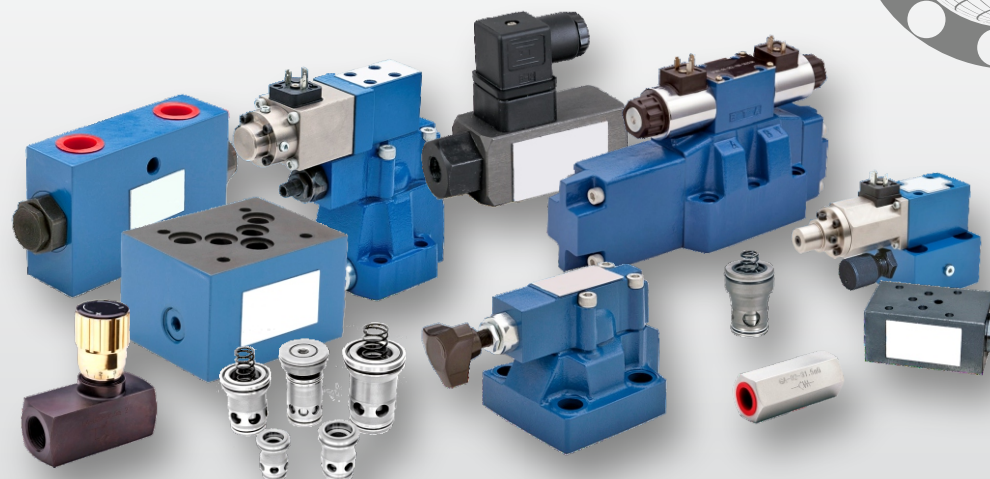


GEAR MOTORS

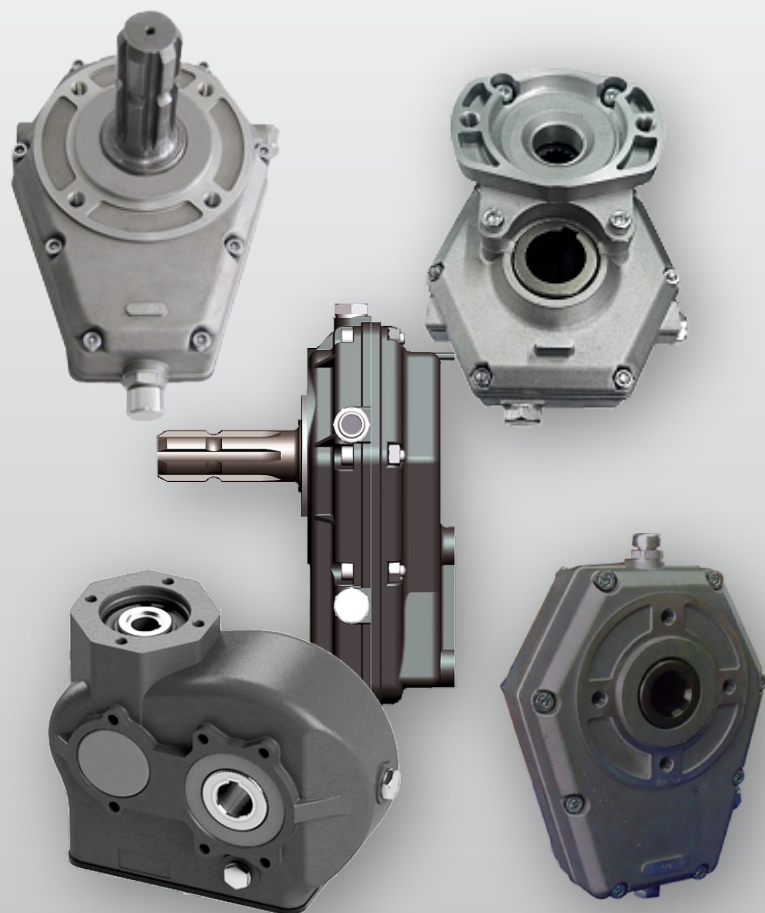




FLOW AND PRESSURE
CONTROL VALVES

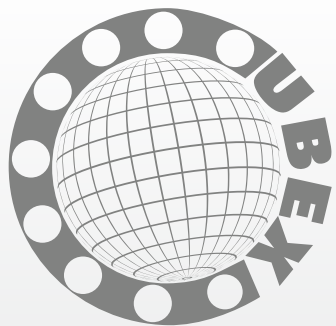


GEAR BOXES
PUMP OVER GEAR



HAND PUMPS





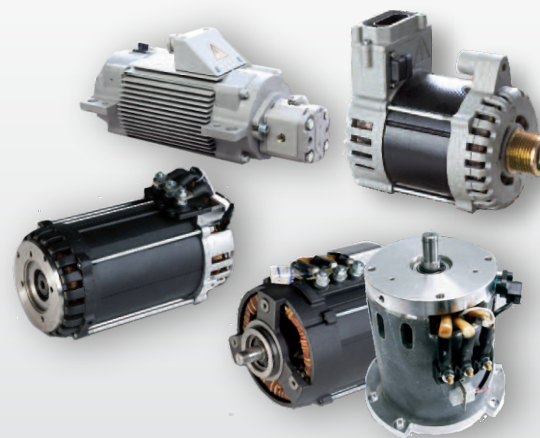
UB:Motors

BLUSHLESS DC MOTORS

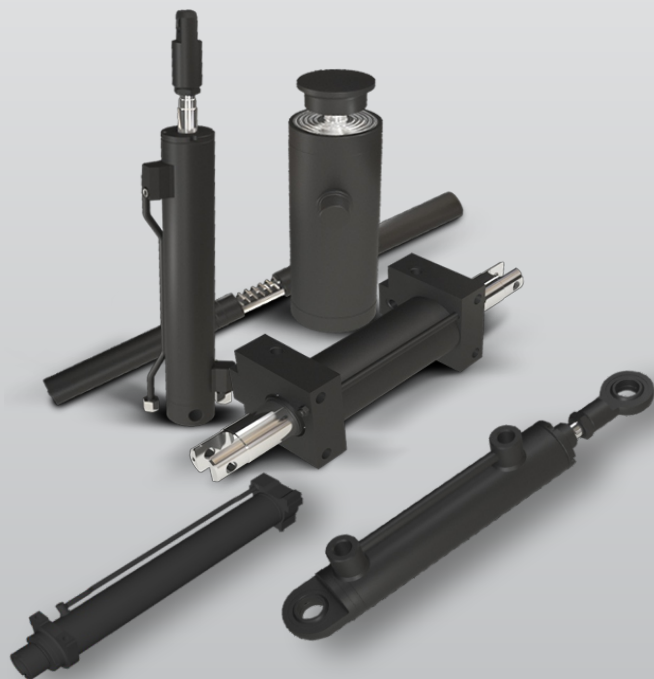


UB:Motors

AC MOTORS



HYDRAULIC CYLINDERS



UB:Motors

DC MOTORS



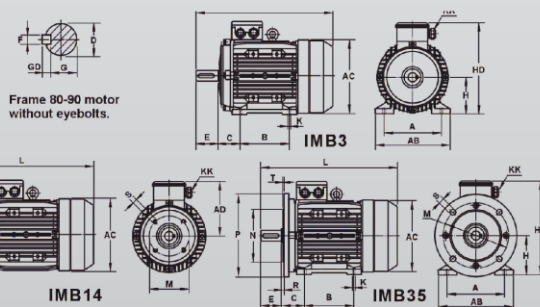
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PROPORTIONAL VALVES
MONOBLOCK VALVES
SECTION VALVES



Model	Power kW	Current (A) 400V	Full load speed RPM	Efficiency % by 100% FL	Power factor cos φ	Ts / Tn (times)	Is / In (times)	Noise dB(A)	Weight kg
UBAT56A2	0,09	0,36	2710	53	0,72	2,2	4	58	2,60
UBAT56B2	0,12	0,40	2700	61	0,72	2,2	4	58	3,00
UBAT56S2	0,18	0,55	2710	63	0,75	2,2	6	61	4,00
UBAT63A2	0,18	0,55	2710	63	0,75	2,2	6	61	4,00
UBAT63B2	0,25	0,71	2710	65	0,78	2,2	6	61	4,20
UBAT63S2	0,37	1,05	2710	65	0,78	2,2	6	62	4,70
UBAT71A2	0,37	0,97	2730	70	0,79	2,2	6	64	5,20
UBAT71B2	0,55	1,42	2760	71	0,79	2,2	6	64	6,00
UBAT71S2	0,75	1,83	2730	72	0,82	2,2	6	65	7,00
UBAT80A2	0,75	1,77	2770	73	0,84	2,2	6	67	8,70
UBAT80B2	1,1	2,51	2770	76,2	0,83	2,2	6	67	10,00
UBAT80S2	1,5	3,32	2800	78,5	0,83	2,2	6	70	11,20
UBAT90S2	1,5	3,28	2840	78,5	0,84	2,2	6	72	12,00
UBAT90Lk2	2,2	4,61	2840	81	0,85	2,2	6	72	14,50
UBAT90L2	3	6,10	2840	82,6	0,86	2,2	6	74	15,00
UBAT100Lk2	3	6,03	2840	82,6	0,87	2,2	7	76	20,00
UBAT100L2	4	7,88	2850	84,2	0,87	2,2	7,5	77	24,00
UBAT112M2	4	7,88	2880	84,2	0,87	2,2	7,5	77	26,00
UBAT112L2	5,5	10,5	2880	85,7	0,88	2,2	7,5	78	29,30
UBAT132Sk2	5,5	10,5	2900	85,7	0,88	2	7,5	80	38,40
UBAT132M2	7,5	14,1	2920	87	0,88	2	7,5	80	41,30
UBAT132Mk2	9,2	17,3	2930	88	0,89	2	7,5	81	48,20
UBAT132M2	11	20,0	2930	88,4	0,9	2	7,5	83	52,50
UBAT160Mk2	11	20,0	2940	88,4	0,9	2	7,5	86	76,00
UBAT160M2	15	26,6	2940	89,4	0,91	2	7,5	86	77,50
UBAT160L2	18,5	32,6	2940	90	0,91	2	7,5	86	92,00
UBAT180M2	22	39,2	2950	90	0,9	2	7,5	91	121,0
UBAT200Lk2	30	52,8	2950	91,2	0,9	2	7,5	94	144,0
UBAT200L2	37	64,5	2940	92	0,9	2	7,5	94	151,0

Installation Dimensions



IEC Frame No.	Mounting Dimensions (mm)																				Overall Dimensions (mm)								Cable Glands KK
	IMB3 Foot Mounting										IMB5 Flange										IMB14 Face								
	A	B	C	D	E	F	GD	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L		
80M	125	100	50	19	40	6	6	15,5	80	10	165	130	200	0	12	3,5	100	80	120	0	M8	3,0	162	157	135	215	305	M20 X 1,5	
90S	140	100	56	24	50	8	7	20	90	10	165	130	200	0	12	3,5	115	95	140	0	M8	3,0	176	175	145	235	325	M20 X 1,5	
90L	140	125	56	24	50	8	7	20	90	10	165	130	200	0	12	3,5	115	95	140	0	M8	3,0	176	175	145	235	325	M20 X 1,5	
100L	160	140	63	28	60	8	7	24	100	12	215	180	250	0	14,5	4,0	130	110	160	0	M8	3,5	205	200	155	255	395	M20 X 1,5	
112M	190	140	70	28	60	8	7	24	112	12	215	180	250	0	14,5	4,0	130	110	160	0	M8	3,5	220	221	175	287	400	M25 X 1,5	
132S	216	140	89	38	80	10	8	33	132	12	265	230	300	0	14,5	4,0	165	130	200	0	M10	3,5	255	260	193	325	485	M25 X 1,5	
132M	216	178	89	38	80	10	8	33	132	12	265	230	300	0	14,5	4,0	165	130	200	0	M10	3,5	255	260	193	325	510	M25 X 1,5	
160M	254	210	108	42	110	12	8	37	160	14,5	300	250	350	0	18,5	5,0	215	180	250	0	M12	4,0	295	315	235	395	610	M32 X 1,5	
160L	254	254	108	42	110	12	8	37	160	14,5	300	250	350	0	18,5	5,0	215	180	250	0	M12	4,0	295	315	235	395	610	M32 X 1,5	

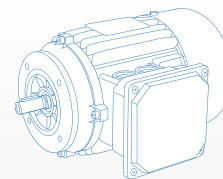
NOTE: 1.IMB35 refer to the dimensions of IMB3 and IMB5.

2. Mounting dimensions comply with IEC60072-1, EN50347.

3. Tolerance of Shaft End Diameter D: ≥28 and below: j6; ≥38 and ≥42: k6.

4. Tolerance of Shaft Centre Height H: +0, -0,5.

5. Tolerance of N: j6.



MOTOR FEATURES

» Rated outputs and frame sizes in accordance with IEC60034 standards

» Duty type S1 (continuous duty) with sufficient thermal margin to withstand

short overload

» Enclosure protection IP55

» Insulation class F

» Maximum ambient 40°C

» Altitude ≤ 1000 m a.s.l.

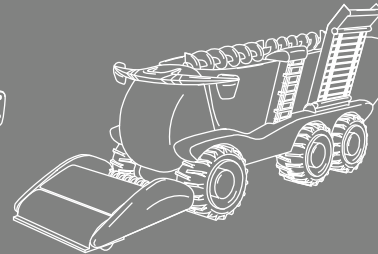
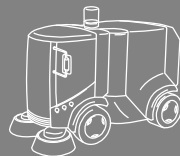
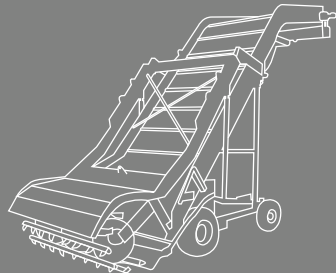
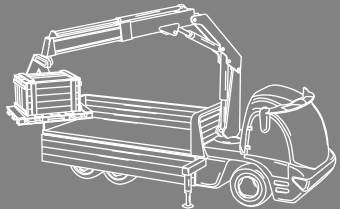
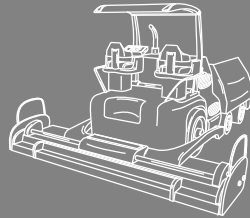
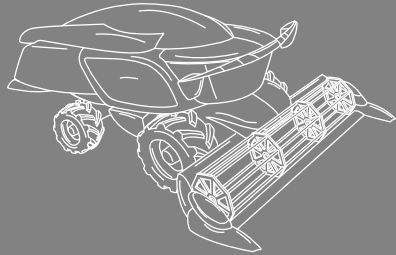
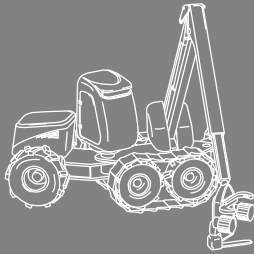
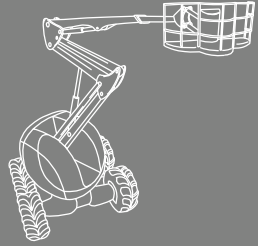
GENERAL SPECIFICATIONS

» Terminal box rotates 4 x 90°

» Removable feet, multi mount – terminal box left or right hand side

» Enclosed shaft key





Your nearest UBEX dealer

UBEX Mexico

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