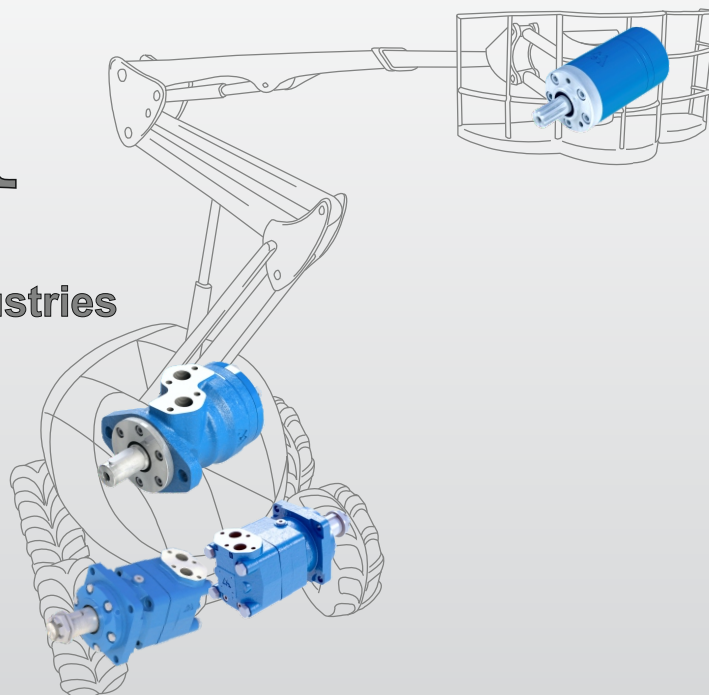




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**HYDRAULICS
&
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M+S HYDRAULIC

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HYDRAULIC COMPONENTS AND SYSTEMS

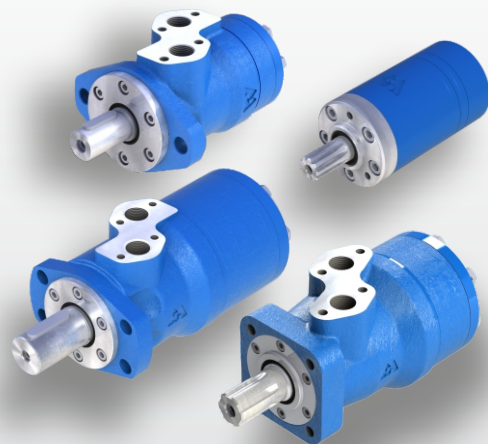
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HYDRAULIC ELEMENTS & SYSTEMS

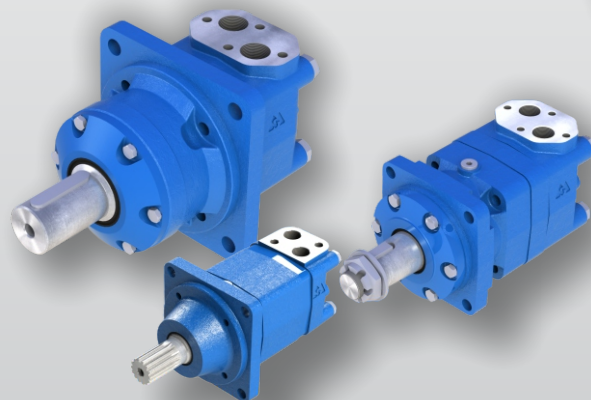
UB:Motors



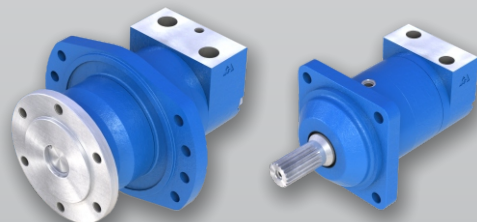
LIGHT DUTY MOTORS MM MP MR MH



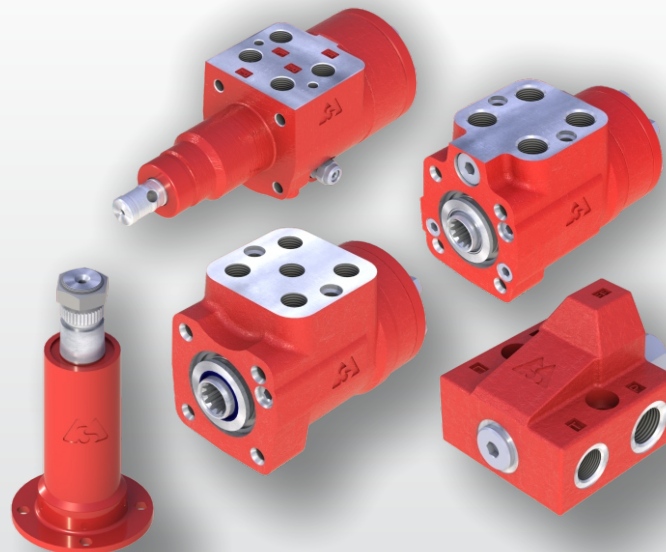
MEDIUM DUTY MOTORS MS MT MV



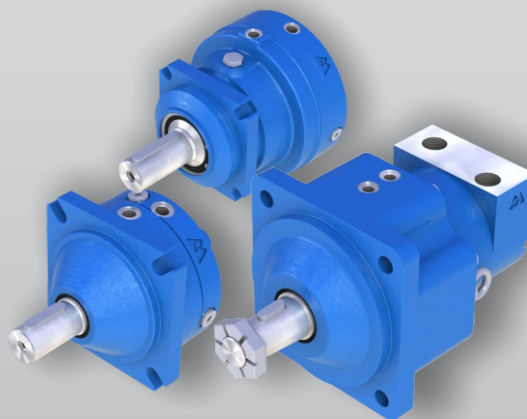
HEAVY DUTY MOTORS



HYDROSTATIC STEERING UNITS ACCESSORIES



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]



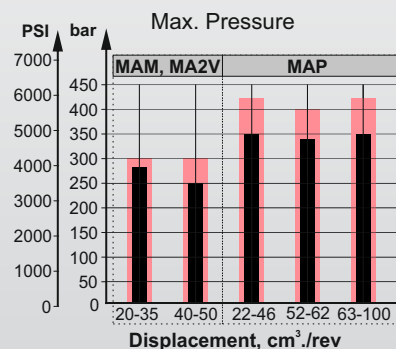
AXIAL PISTON MOTORS MA2V TWO SPEED MEDIUM DUTY



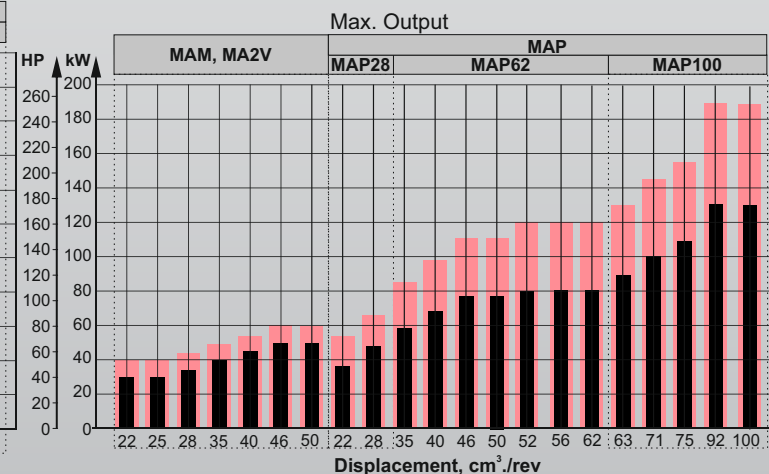
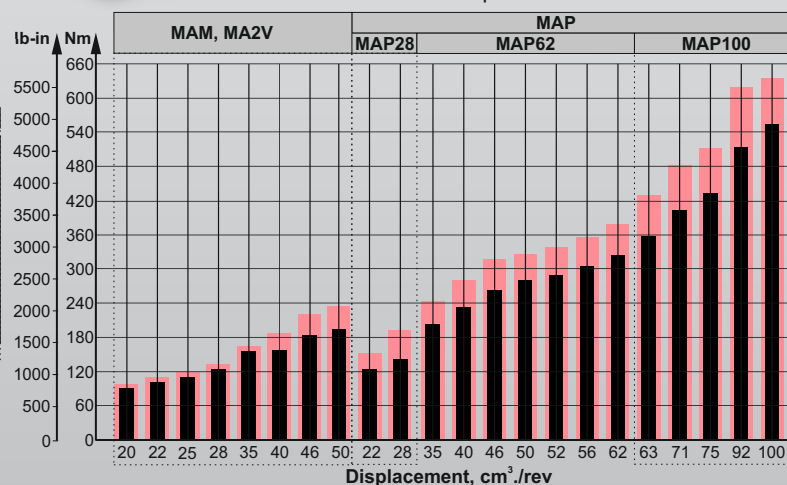
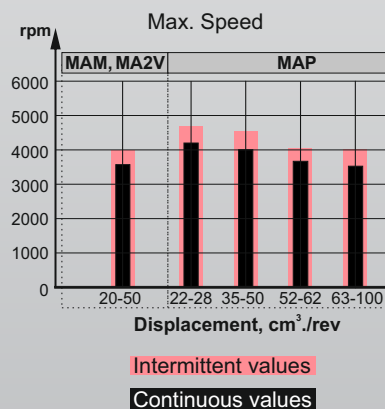
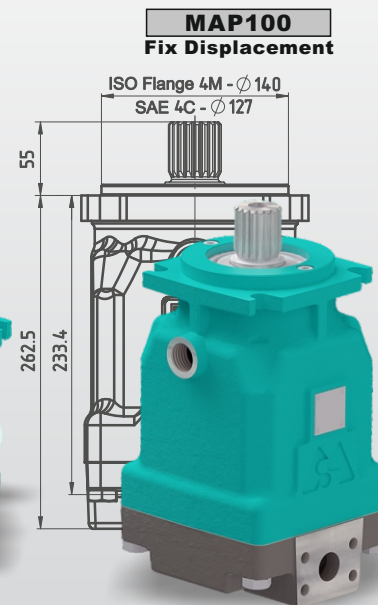
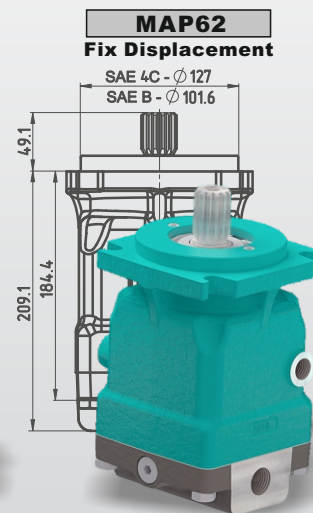
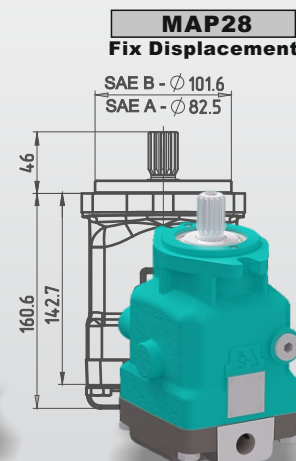
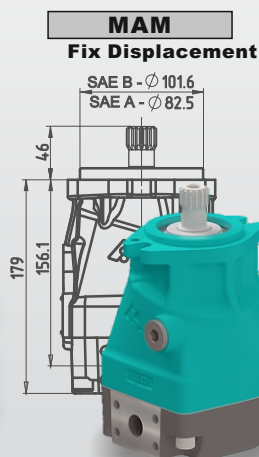
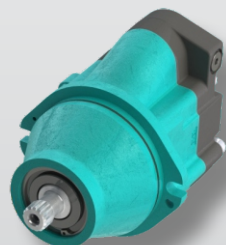
AXIAL PISTON MOTORS MAM FIX DISP. MEDIUM DUTY



AXIAL PISTON MOTORS MAP FIX DISP. HEAVY DUTY

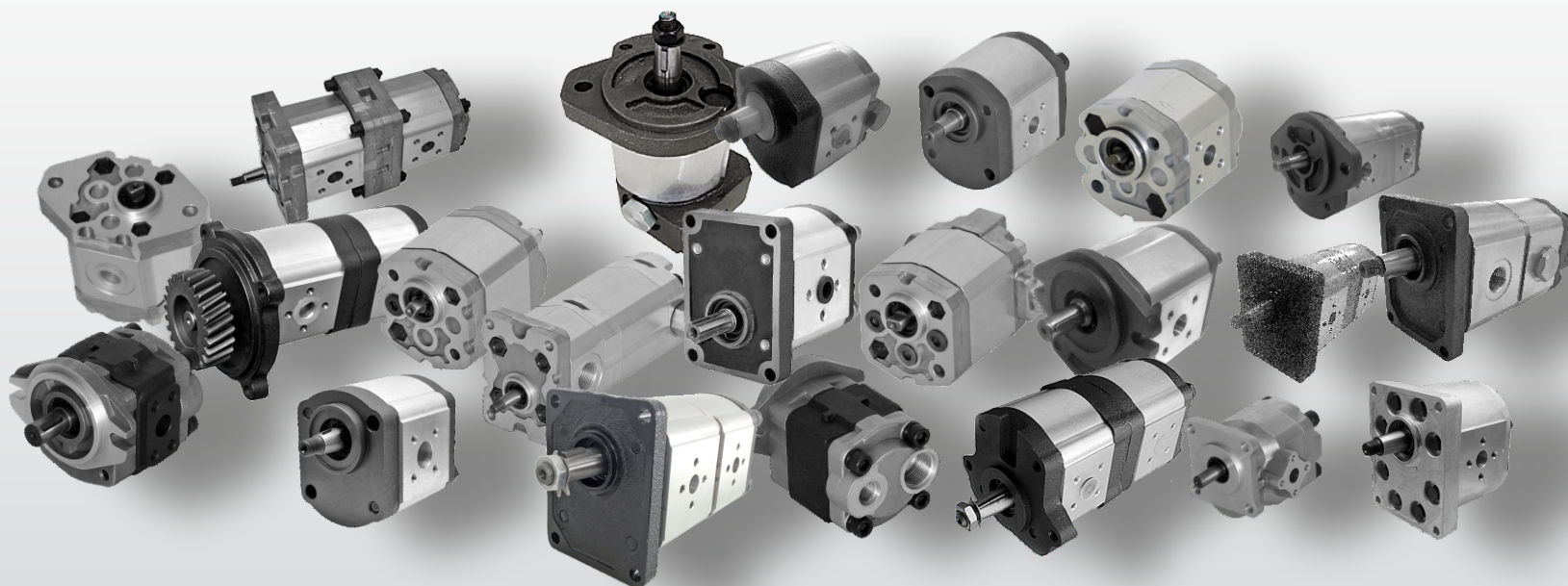


M2AV
Two Speed Motor

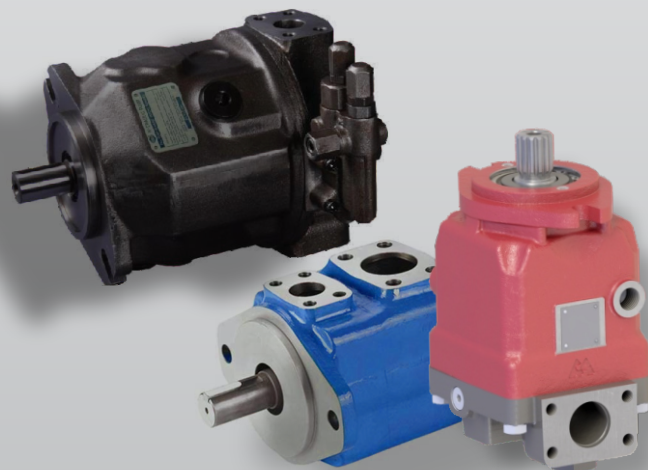




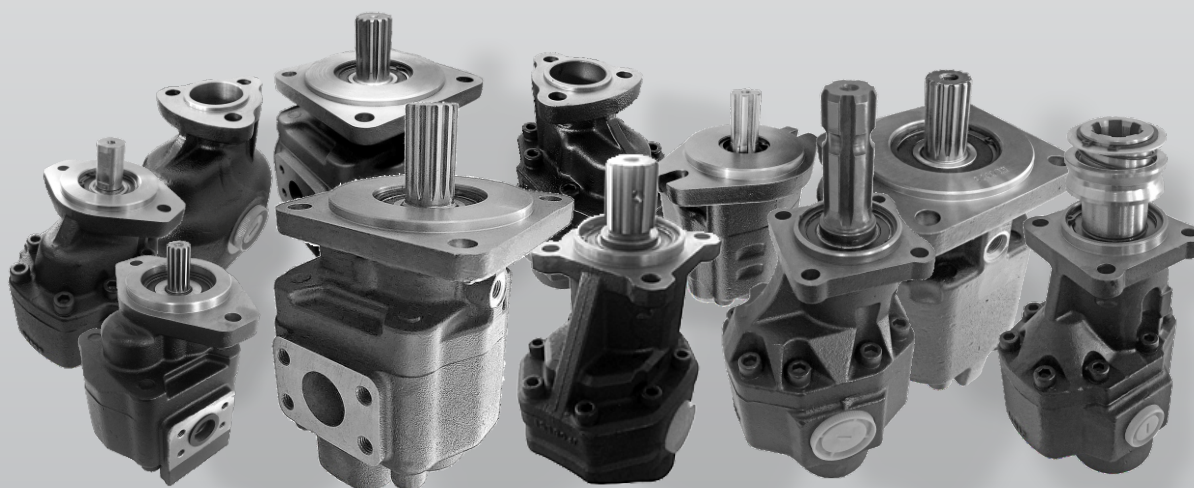
GEAR PUMPS



AXIAL PISTON PUMPS



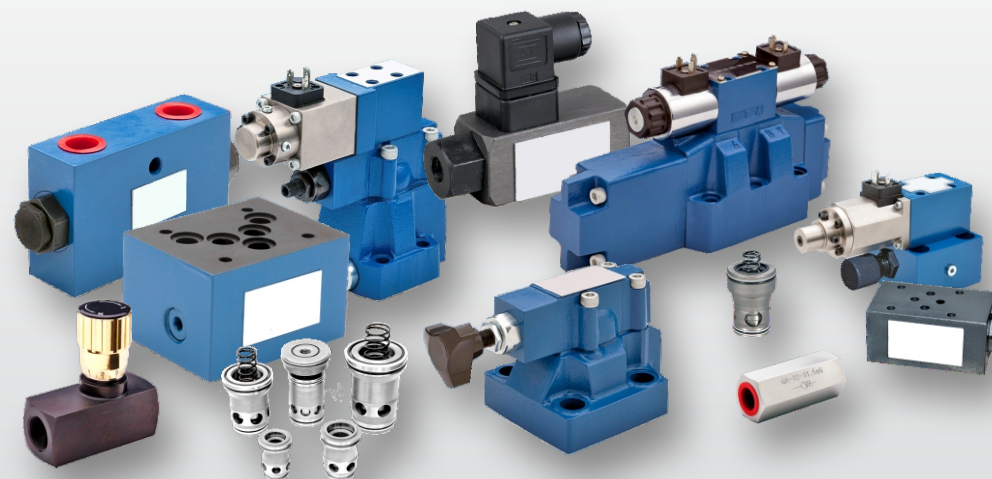
GEAR MOTORS



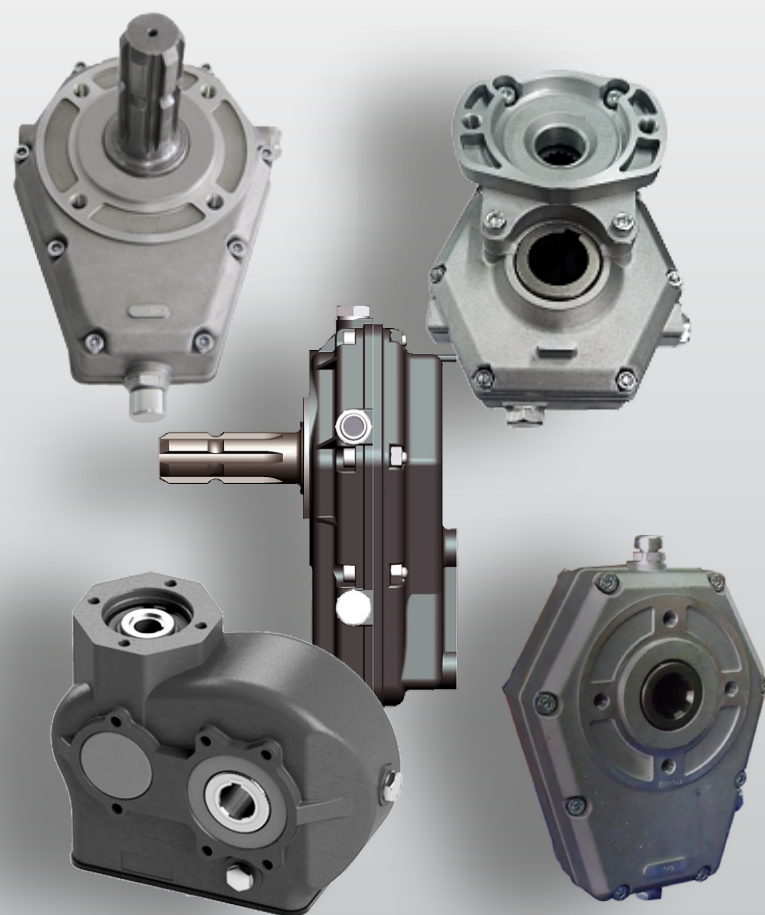


FLOW AND PRESSURE
CONTROL VALVES

GEAR BOXES
PUMP OVER GEAR

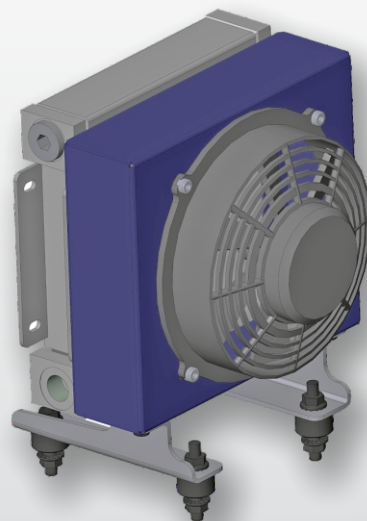


HAND PUMPS

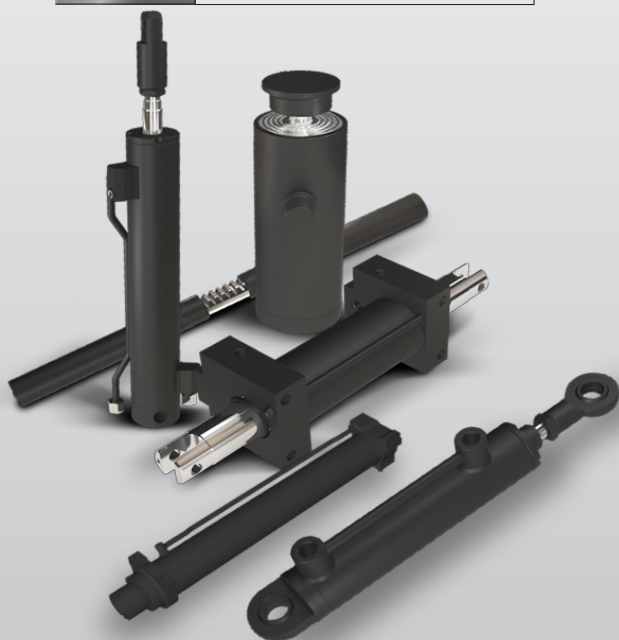




HYDRAULIC COOLERS



HYDRAULIC CYLINDERS



PROPORTIONAL VALVES MONOBLOCK VALVES SECTION VALVES





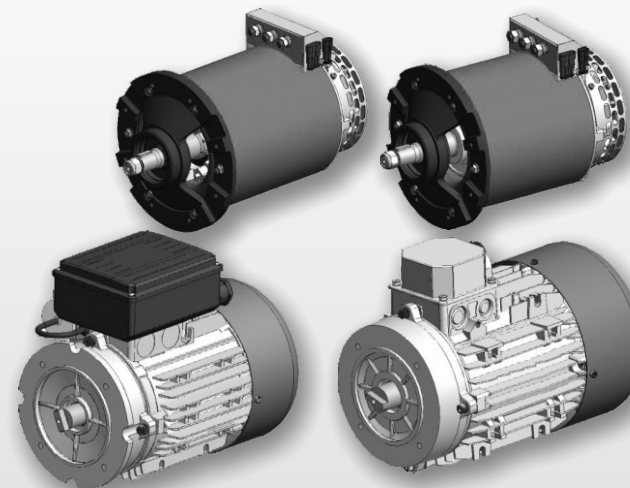
UB:Motors

BLUSHLESS DC MOTORS



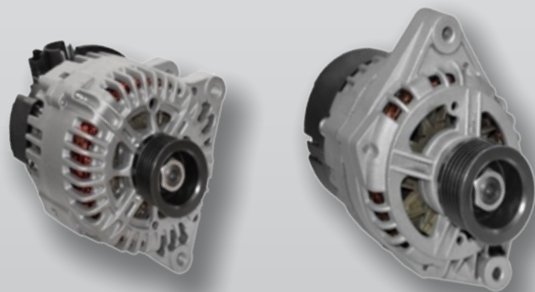
UB:Motors

AC MOTORS



UB:Motors

DC ALTERNATORS



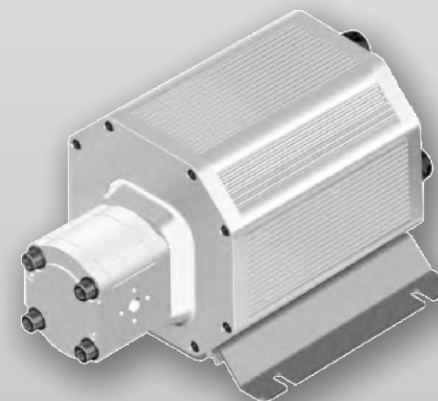
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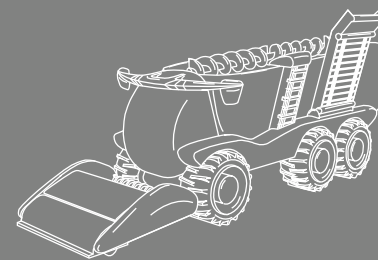
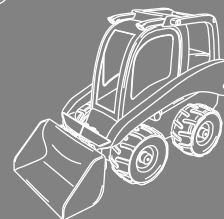
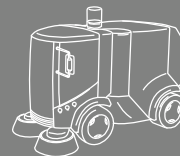
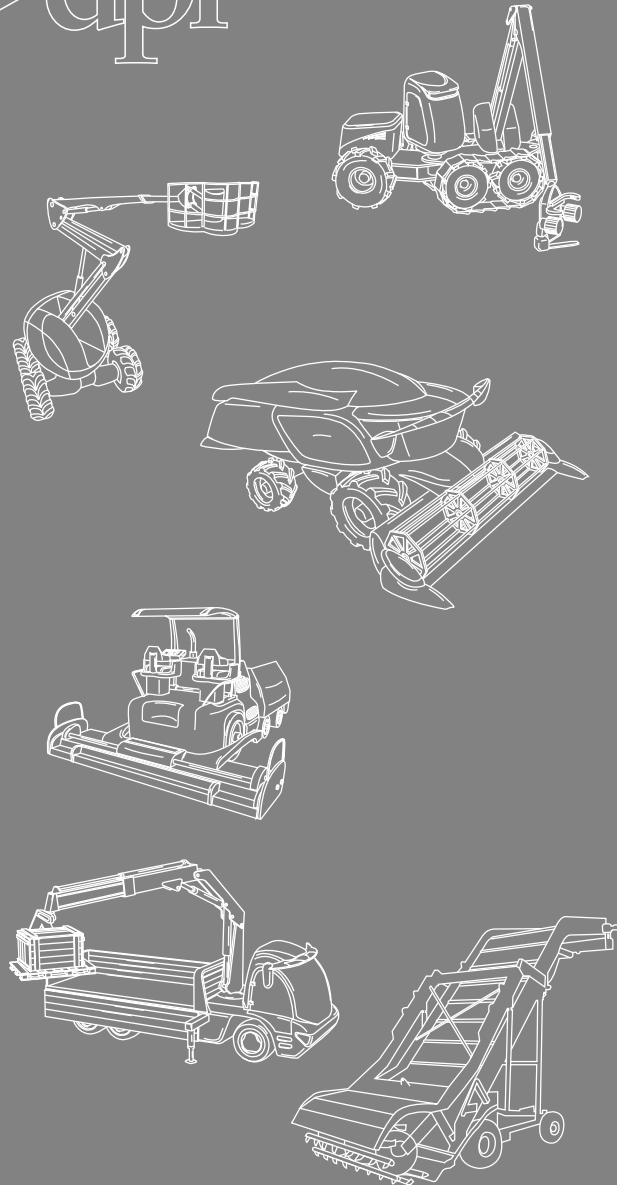
DC MOTORS



UB:Motors

DC MOTOR - GEAR PUMP





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