

Hidromotoare

Hydraulic Motors

partenerul dumneavoastră în hidraulică



Cuprins / Contents

Motor Hidraulic CPMM/ CPMM Hydraulic Motor	3
Performante/ Performance Data	4
Dimensiuni/ Dimensions	6
Ax Antrenare/ Output Shaft	8
Informatii pentru Comanda/ Order Information	9
Motor Hidraulic CPM/ CPM Hydraulic Motor	10
Performante/ Performance Data	11
Dimensiuni/ Dimensions	14
Dimensiuni CPMW/ Dimensions CPMW	15
Ax Antrenare/ Output Shaft	16
Informatii pentru Comanda/ Order Information	18
Motor Hidraulic CPRM/ CPRM Hydraulic Motor	19
Performante/ Performance Data	20
Dimensiuni/ Dimensions	23
Ax Antrenare/ Output Shaft	24
Informatii pentru Comanda/ Order Information	26
Motor Hidraulic CPMH/ CPMH Hydraulic Motor	27
Performante/ Performance Data	28
Dimensiuni/ Dimensions	31
Ax Antrenare/ Output Shaft	32
Informatii pentru Comanda/ Order Information	33
Motor Hidraulic CPMS/ CPMS Hydraulic Motor	34
Performante/ Performance Data	35
Dimensiuni/ Dimensions	37
Ax Antrenare/ Output Shaft	40
Informatii pentru Comanda/ Order Information	41
Motor Hidraulic CPMSY/ CPMSY Hydraulic Motor	42
Performante/ Performance Data	43
Dimensiuni/ Dimensions	46
Informatii pentru Comanda/ Order Information	47
Motor Hidraulic CPMT/ CPMT Hydraulic Motor	48
Performante/ Performance Data	49
Dimensiuni/ Dimensions	51
Ax Antrenare/ Output Shaft	54
Informatii pentru Comanda/ Order Information	55
Motor Hidraulic CPMV/ CPMV Hydraulic Motor	56
Performante/ Performance Data	57
Dimensiuni/ Dimensions	59
Ax Antrenare/ Output Shaft	61
Informatii pentru Comanda/ Order Information	61

Motorul hidraulic CPMM

CPMM Hydraulic Motor

Hidromotor tip gerotor
cu supape

Cu sau fara flansa

Optimizat pentru spatii mici

Supapa interna de control

Orificii laterale si in spate

Utilizare fara drenaj



Spool valve type with gerotor

With or without flange

Optimized for small spaces

Internal check valve

Side and rear ports

Usage without drain line possible

Tipul / Type		CPMM	CPMM	CPMM	CPMM	CPMM	CPMM
		8	12.5	20	32	40	50
Capacitate Displacement [cm ³ /rev]		8.2	12.9	19.9	31.6	39.8	50.3
Viteza maxima Max. Speed [RPM]	Continuu / Cont.	1950	1550	1000	630	500	400
	Int.(1)	2450	1940	1250	800	630	500
Cuplu maxim Max. Torque [daNm]	Continuu / Cont.	11	16	25	40	45	46
	Int.(1)	15	23	35	57	70	88
	Varf / Peak (2)	21	33	51	64	82	100
Puterea Maxima Max. Output Power [kW]	Continuu / Cont.	1.8	2.4	2.4	2.4	2.2	1.8
	Int.(1)	2.6	3.2	3.2	3.2	3.2	3.2
Dif. maxima de presiune / Max. Pressure Drop [bar]	Continuu / Cont.	100	100	100	100	90	70
	Int.(1)	140	140	140	140	140	140
	Varf / Peak (2)	200	200	200	160	160	160
Debit max ulei Max. Oil flow [l/min]	Continuu / Cont.	16	20	20	20	20	20
	Int.(1)	20	25	25	25	25	25
Pres max intare / Max. Input Pressure [bar]	Continuu / Cont.	175	175	175	175	175	175
	Int.(1)	225	225	225	225	225	225
Greutate / Weight [kg]		1.9	2	2.1	2.2	2.3	2.4

(1) Evaluarea funcționării intermitente se aplică la 6 sec. din fiecare minut

(2) Evaluarea de vârf se aplică la 0,6 sec din fiecare minut

(1) Intermittend operation rating applies to 6 sec. of every minute

(2) Peak load rating applies to 0,6 sec of every minute

Caracteristici

Performance data

Caracteristici

Performance data

CPMM 8 (8.2 cm3/U)								
		Presiune / pressure (bar)					Max. cont.	Max. int.
		35	50	70	100	120	140	
Debitul de ulei / Oil flow (l/min)	2	0.3 228	0.5 218	0.8 206	1.0 156	1.2 111	1.4 58	daNm RPM
	4	0.3 474	0.5 471	0.7 463	1.1 426	1.3 391	1.5 331	
	8	0.3 935	0.5 946	0.7 926	1.1 884	1.3 855	1.5 816	
	12	0.2 1444	0.5 1426	0.7 1402	1.0 1360	1.3 1324	1.5 1288	
	15		0.4 1912	0.7 1900	1.0 1861	1.2 1833	1.4 1780	
Max. cont.	20		0 2432	0.6 2395	1.0 2350	1.0 2328	1.4 2281	
Max. int.								

CPMM 12.5 (12.9 cm3/U)								
		Presiune / pressure (bar)					Max. cont.	Max. Int.
		35	50	70	100	120	140	
Debitul de ulei / Oil flow (l/min)	2	6	8	11	16	19		daNm RPM
		140	136	119	68	35		
	4	6	8	12	17	19	23	
		296	289	274	229	200	145	
	8	5	8	12	17	20	24	
		605	596	583	543	514	469	
	12	5	8	11	16	20	24	
		912	905	895	859	834	784	
15		5	7	11	16	19	23	
		1152	1144	1136	1102	1078	1036	
20		3	7	10	15	19	22	
		1542	1532	1521	1500	1482	1437	
25		2	6	9	14	18	22	
		1910	1891	1878	1848	1828	1788	

CPMM 32 (31.6 cm3/U)									
		Presiune / pressure (bar)					Max. cont.	Max. Int.	
		20	35	50	70	100	120	140	
Debitul de ulei / Oil flow (l/min)	2	7	15	21	28	40			daNm RPM
		61	57	52	47	16			
	4	7	15	21	29	41	48	57	
		126	121	114	106	82	67	49	
	8	7	15	21	29	41	49	58	
		250	244	239	231	207	194	167	
	12	6	13	20	28	40	48	58	
		378	374	369	362	338	322	297	
	15	4	12	18	27	39	47	57	
		476	472	468	462	441	429	406	
Max. cont.	20	3	10	17	25	37	46	55	
		633	630	627	619	601	585	566	
Max. int.	25	1	8	15	23	35	43	52	
		791	789	787	783	766	735	732	

CPMM 40 (39.8 cm3/U)								
		Presiune / pressure (bar)				Max. cont.	Max. Int.	
		30	50	70	85	100	120	
Debitul de ulei / Oil flow (l/min)	2	16	27	36	44	51		daNm RPM
		45	40	34	28	17		
	4	16	27	37	44	52	62	
		96	93	85	79	65	52	
	8	15	26	36	44	52	63	
		197	195	182	176	166	154	
	12	14	25	35	43	51	62	
		293	287	282	277	268	257	
	15	13	24	34	42	50	62	
		371	365	360	355	347	338	
20	10	21	31	39	48	59		
	497	492	487	480	472	463		
25	7	19	29	37	44	56		
	622	617	612	607	600	591		

CPMM 20 (19.9 cm3/U)									
		Presiune / pressure (bar)					Max. cont.	Max. Int.	
		17	35	50	70	100	120	140	
Debitul de ulei / Oil flow (l/min)	2	3	9	14	19	26	30		daNm RPM
		99	96	89	74	42	21		
	4	4	9	14	19	26	31	36	
		197	191	182	178	134	112	74	
	8	4	9	13	19	27	31	36	
		398	395	391	377	340	319	288	
	12	3	8	13	18	26	31	37	
		596	594	588	579	545	523	493	
	15	3	8	12	17	25	30	36	
		745	741	738	728	695	684	660	
Max. cont.	20	1	6	11	19	24	29	35	
		998	995	991	985	962	916	885	
Max. int.	25		4	9	14	23	28	33	
			1247	1245	1242	1189	1180	1176	

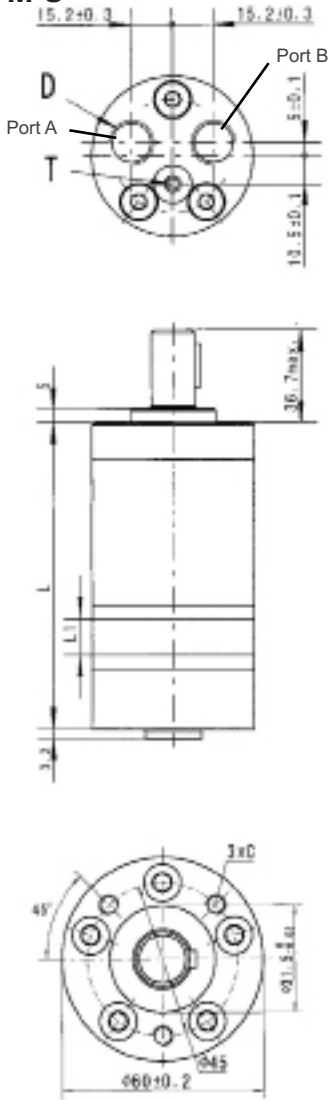
CPMM 50 (50.3 cm3/U)							
		Presiune / pressure (bar)				Max. cont.	Max. int.
		15	30	50	70	100	
Debitul de ulei / Oil flow (l/min)	2	11	23	36	50		daNm RPM
		37	33	27	22		
	4	11	22	36	50	70	
		76	73	68	63	55	
	8	11	21	35	50	71	
		157	154	149	145	137	
	12	11	20	33	49	71	
		237	234	231	226	218	
	15	10	18	32	47	69	
		296	295	294	288	282	
Max. cont.	20	8	14	29	44	64	
		395	395	393	390	391	
Max. int.	25	4	10	25	40	59	
		498	496	494	490	484	

Dimensiuni

Conexiuni / Porting

Conexiuni din spate / Rear ports

Versiunea G M U

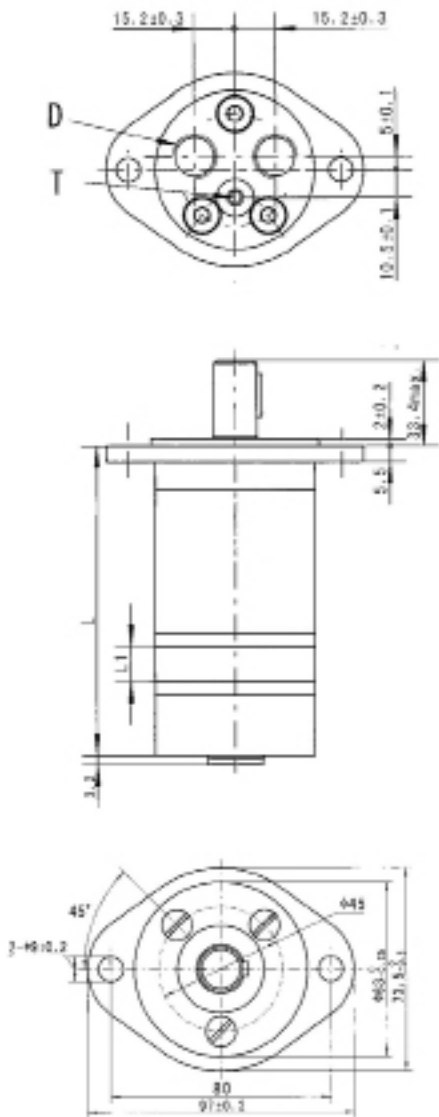


Conex./ Port	Versiuni Versions	
	Lipsa / Omit	U
P(A,B)	2 x G 3/8"	2 x 9/16-18 UNF
T	G 1/8"	3/8-24 UNF
C	3 x M6	3 x 1/4-28 UNF-2B

Dimensions

Montaj / Mounting

Flansa ovala / Oval Mount 2-Orificii / 2 holes



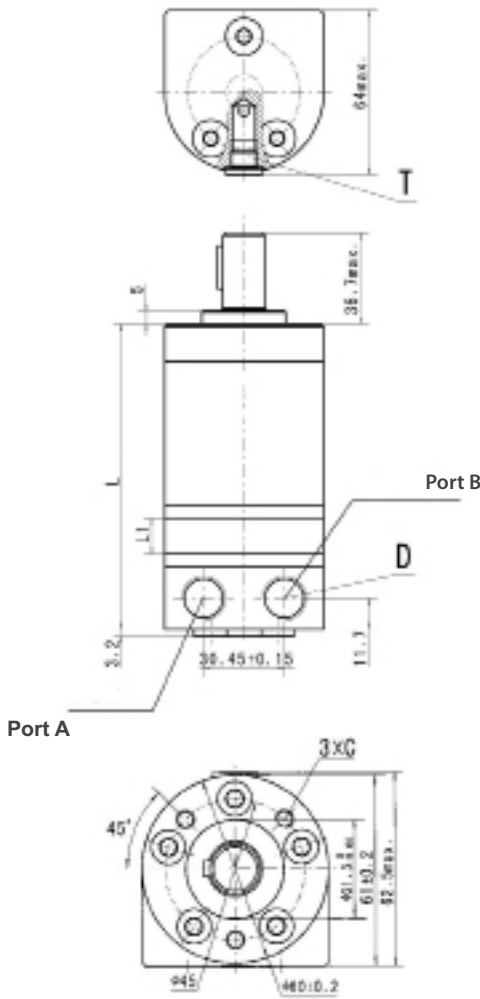
Tipul / Type	L	L ₁	Tipul / Type	L	L ₁
CPMM 8	104	3.5	CPMMF 8	107.5	3.5
CPMM 12.5	106	5.5	CPMMF 12.5	109.5	5.5
CPMM 20	109	8.5	CPMMF 20	112.5	8.5
CPMM 32	114	13.5	CPMMF 32	117.5	13.5
CPMM 40	117.5	17	CPMMF 40	121	17
CPMM 50	122	21.5	CPMMF 50	125.5	21.5

Dimensiuni

Conexiuni / Porting

Conexiuni laterale / Side ports

Versiunea G M U

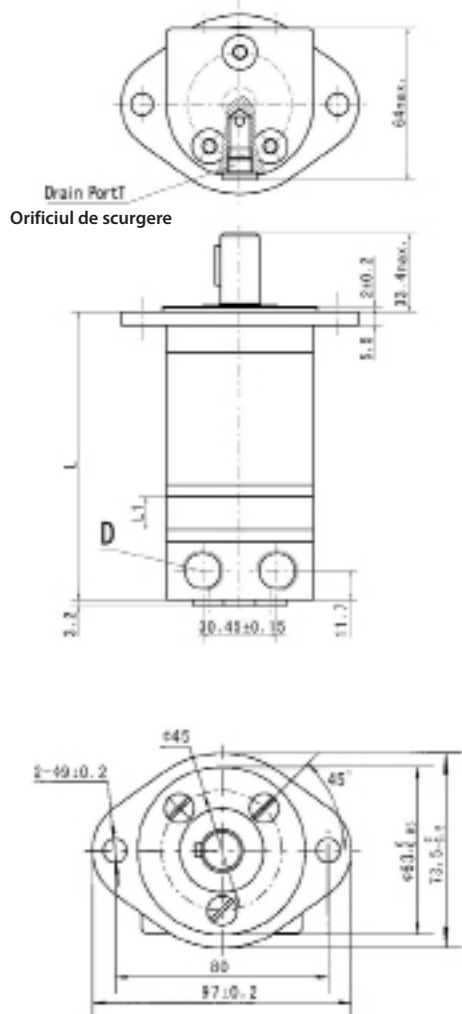


Conex. Port	Versiuni / Versions	
	Lipsa / Omit	U
P(A,B)	2 x G 3/8"	2 x 9/16-18 UNF
T	G 1/8"	3/8-24 UNF
C	3 x M6	3 x 1/4-28 UNF-2B

Dimensions

Montare / Mounting

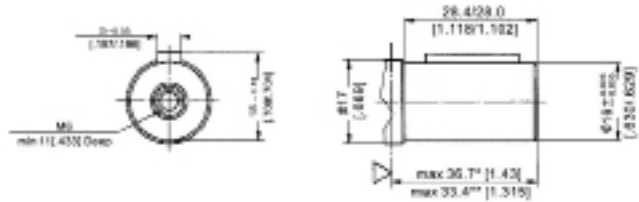
Flansa ovala / Oval Mount 2-orificii / 2 holes



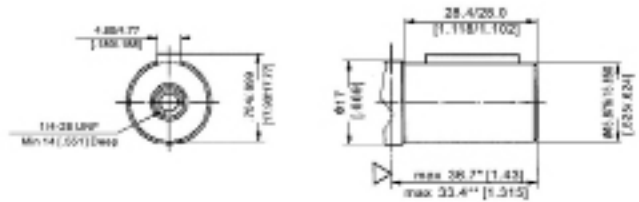
Tipul / Type	L	L ₁	Tipul / Type	L	L ₁
CPMMS 8	105	3.5	CPMMFS 8	108.5	3.5
CPMMS 12.5	107	5.5	CPMMFS 12.5	110.5	5.5
CPMMS 20	110	8.5	CPMMFS 20	113.5	8.5
CPMMS 32	115	13.5	CPMMFS 32	118.5	13.5
CPMMS 40	118.5	17	CPMMFS 40	122	17
CPMMS 50	123	21.5	CPMMFS 50	126.5	21.5

Arbori de iesire

C - Cil. Φ 16 mm pana dreaptă, paralelă 5 x 5 x 16. Max. cuplu: 3.9 daNm / Φ 16 mm straight, parallel key 5 x 5 x 16. Max. torque: 3.9 daNm

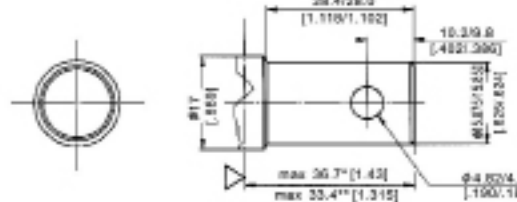


CO - Diam Φ 15.8mm (5/8") tasta dreaptă, paralelă, 3/16 x 3/16" x 3/4". Max. cuplu: 3,9 daNm / Φ 15.8mm (5/8") straight, parallel key 3/16 x 3/16" x 3/4". Max. torque: 3.9 daNm

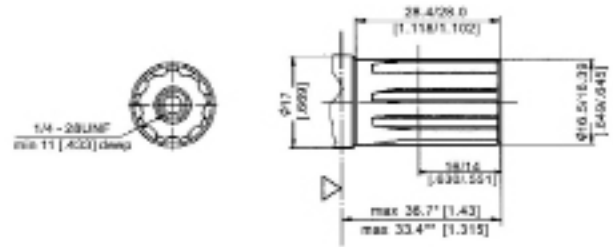


Output shafts

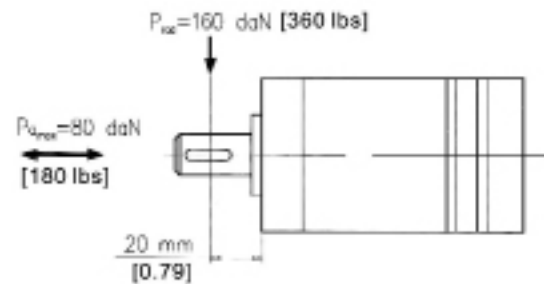
H - Φ 15.8mm (5/8") gaura de drept, cruce Φ 4.82 mm. Max. cuplu: 3,9 daNm. / Φ 15.8mm (5/8") straight, cross hole Φ 4.82 mm. Max. torque: 3.9 daNm.



SH - Φ 16,5 mm canelate, B17 x 14. Max. cuplu: 4,4 daNm / Φ 16.5 mm splined, B17 x 14. Max. torque: 4.4 daNm

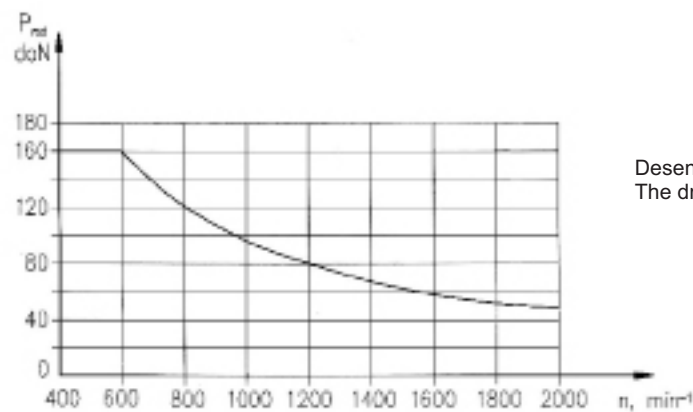


Sarcina arborelui / Shaft load



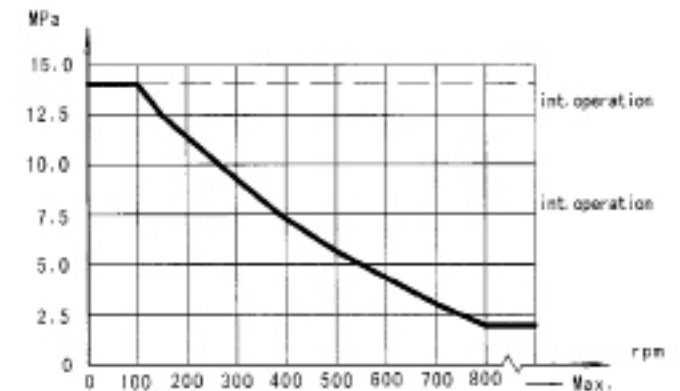
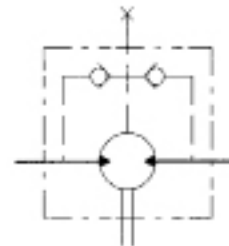
Sarcina radiala maxima admisa pe arbore se calculează pornind de la distanta L între punctul de aplicare al forței și suprafața de montare:
The permissible radial shaft load is calculated from the distance L between the point load application and the mounting surface:

$$F_{rad} = \frac{600}{n} \cdot \frac{13040}{61,5 + L} [daN]$$

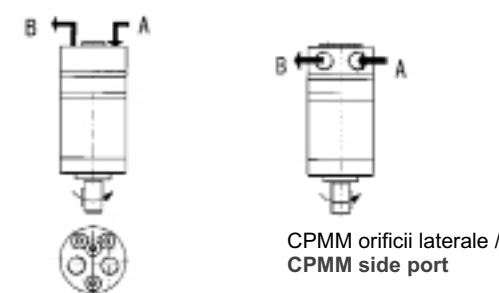


Desenul prezinta sarcina arborelui admisa atunci când L = 20mm
The drawing shows the permissible shaft load when L=20mm

Presiunea maxima de revenire, fără linie de drenaj sau presiunea maxima în conducta de drenare
Max. return pressure without drain line or max. pressure in drain line



Alegerea sensului de rotatie Rotation selection



CPMM orificii in spate /
CPMM rear port

Direcția de rotație standard:
Sensul acelor de ceasornic atunci când portul "A" se afla sub presiune.
Contra sensului acelor de ceasornic atunci cand portul "B" se afla sub presiune.

Standard direction of rotation:
Clockwise when port „A” is pressurized.
Counter-Clockwise when port „B” is pressurized.

Informatii privind comanda

	1	2	3	4	5	6	7
CPMM							

Pos. 1 Flansa de montaj / Mounting flange

Gol/ Empty Flansa rotunda (3 suruburi) / Round flange (3 bolts)
F Flansa ovala (2orificii) / Oval mount 2 holes

Pos. 2 Porturi / Port type

Gol/ Empty Porturi in spate/ Rear ports
S Porturi laterale/ Side ports

Pos. 3 Volum / Displacement

8	8 cm ³ /U /	8 ccm/REV
12.5	12.5 cm ³ /U /	12.5 ccm/REV
20	20 cm ³ /U /	20 ccm/REV
32	32 cm ³ /U /	32 ccm/REV
40	40 cm ³ /U /	40 ccm/REV
50	50 cm ³ /U /	50 ccm/REV

Order Information

Pos. 4 Extensii ale arborelui / Shaft extensions

C Cil. Φ 16 mm cu pana paralela 5 x 5 x 16
 Φ 16 mm straight with parallel key 5 x 5 x 16
CO Cil. Φ 15.8 mm (5/8") cu pana dreapta paralela 3/16" x 3/16" x 3/4"
 Φ 15.8 mm / (5/8") straight with parallel key 3/16" x 3/16" x 3/4"
HA Φ 15.8 mm (5/8") cu orificiu cruce 4.82 mm / Φ 15.8 mm (5/8") with cross hole 4.82 mm
SH Φ 16.5 mm canelata B17 x 14 / Φ 16.5 mm splined B17 x 14

Pos. 5 Orificii / Porting

Lipsa / Empty 2 x G3/8", 1 x G 1/8"
U 2 x 9/16-18 UNF, O-Ring, 1 x 3/8-24 UNF/

Pos. 6 Culoare / Painting

Lipsa / Empty Gri / Grey
RAL... + Culoare Ral (ex. 7021) / + Ral colour (e.g. 7021)/

Pos. 7 Sensul de rotatie / Rotation direction

Lipsa / Empty Rotatie standard / Standard rotation
R Rotatie reversibila / Reverse rotation

Motorul hidraulic CPM

Hidromotor cu supape
Design compact
Optimizat pentru spatii restranse
Supapa interna de control
Utilizare fara linie de drenaj
Garnituri standard de inalta presiune



CPM Hydraulic Motor

Spool valve type
Compact design
Optimized for small spaces
Internal check valve
Usage without drain line possible
High pressure seal is standard

Tipul / Type		CPM	CPM	CPM	CPM	CPM	CPM(1)	CPM(2)	CPM(1)	CPM(2)	CPM(1)	CPM(2)	CPM(1)	CPM(2)
		50	80	100	125	160	200	200	250	250	315	315	400	400
Volum / Displacement [cm3/REV]		51.7	77.7	96.2	117.2	155.5	189.9	189.9	231	231	311.7	311.7	386.2	386.2
Viteza max. / Max. Speed [RPM]	Continuu / Cont.	1180	760	600	485	380	302	302	240	240	190	190	150	150
	Int.(3)	1380	940	750	600	475	380	380	302	302	235	235	190	190
	Varf / Peak (4)	14	21.9	26.5	36.2	42.6	54.5	54.5	64.2	58.5	70.5	68.4	78.7	68.8
Puterea max. de iesire / Max. Output Power [kW]	Continuu / Cont.	10.2	10.1	10.3	10	10	10	9.6	9.4	7.4	7.5	5.6	6.3	4.6
	Int.(3)	12.3	12.3	12.5	12	12	12	12	12	12	9	9	7.8	7.8
	Varf / Peak (4)	14	21.9	26.5	36.2	42.6	54.5	54.5	64.2	58.5	70.5	68.4	78.7	68.8
Presiunea max. de scadere / Max. Pressure Drop [bar]	Continuu / Cont.	140	140	140	140	140	140	135	135	105	115	80	90	65
	Int.(3)	175	175	175	175	175	175	160	175	140	135	115	110	90
	Varf / Peak (4)	210	210	210	210	210	210	210	200	175	175	160	160	140
Debitul max. de ulei / Max. Oil flow [l/min]	Continuu / Cont.	50	60	60	60	60	60	60	60	60	60	60	60	60
	Int.(3)	60	75	75	75	75	75	75	75	75	75	75	75	75
	Varf / Peak (4)	210	210	210	210	210	210	210	210	210	210	210	210	210
Presiunea max. de intrare / Max. Input Pressure [bar]	Continuu / Cont.	160	160	160	160	160	160	160	160	160	160	160	160	160
	Int.(3)	175	175	175	175	175	175	175	175	175	175	175	175	175
	Varf / Peak (4)	210	210	210	210	210	210	210	210	210	210	210	210	210
Masa / Weight [kg]		5.6	5.7	5.9	6.0	6.2	6.4	6.4	6.6	6.6	6.9	6.9	7.4	7.4

1 Motorul CPM cu CB, SH, K si ax SB

2 Motorul CPM cu C,CO si ax S

3 Evaluarea funcționării intermitente se aplică la 6 sec. din fiecare minut

4 Evaluarea sarcinii de vârf se aplică la 0,6 sec de fiecare minut

(1) CPM Motor with CB, SH, K and SB shafts

(2) CPM Motor with C, CO and S shafts

(3) Intermittend operation rating applies to 6 sec. of every minute

(4) Peak load rating applies to 0,6 sec of every minute

Caracteristici

CPM 50 (51.7 cm3/U)										
Presiune / pressure (bar)								Max. cont.	Max. Int.	
		30	60	80	100	125	140	160	175	daNm RPM
Debitul de ulei / Oil flow (l/min)	8	2.0 151	4.1 134	5.6 115	6.9 90	8.9 56	9.5 42			
	15	1.9 286	4.0 274	5.6 261	7.1 243	9.1 204	10.0 182	11.2 139	12.0 102	
	20	1.8 382	3.9 373	5.5 361	7.1 348	9.2 318	10.1 309	11.7 287	12.8 251	
	30	1.7 573	3.8 568	5.5 558	7.1 535	9.1 503	9.8 488	11.6 462	12.4 548	
	35	1.7 670	3.8 661	5.4 652	6.9 640	8.9 606	9.8 589	11.7 562	12.4 548	
	45	1.4 863	3.6 858	5.3 849	6.7 837	8.8 807	9.8 788	11.4 764	12.3 746	
	55	1.2 1055	3.3 1042	5.0 1028	6.5 1010	8.5 979	9.6 963	11.1 947	12.1	
	60	1.0 1150	3.2 1143	4.7 1126	6.4 1111	8.3 10799	9.4 1065	10.8 1043	11.9	
	Max. int.		0.6 1440	2.5 1430	4.2 1416	5.6 1395	7.6 1367	8.7 1351	10.1 1335	

Performance data

CPM 80 (77.7 cm3/U)												
Presiune / pressure (bar)										Max. cont. Max. Int.		
		30	60	80	100	125	140	16	175			
Debitul de ulei / Oil flow (l/min)	8	3.2 97	6.2 87	8.5 74	10.4 55	12.9 33	14.4 22			daNm RPM		
	15	3.2 186	6.3 181	8.4 170	10.7 154	12.6 132	14.4 118	16.5 86				
	20	3.1 251	6.3 243	8.4 236	10.7 225	13.2 207	14.6 196	16.8 178	18.5 155			
	30	3.1 281	6.2 379	8.3 368	10.6 355	13.1 332	14.6 316	16.8 285	18.6 263			
	35	3.0 443	5.9 435	8.1 426	10.2 415	13.0 397	14.4 383	16.7 361	18.5 342			
	45	2.5 570	5.8 564	7.9 554	10.0 543	12.6 526	14.2 509	16.5 483	18.2 458			
	55	2.3 696	5.7 685	7 672	9.7 656	12.4 643	14.0 630	16.1 602	17.9 579			
	60	2.0 761	5.3 753	7.5 744	9.4 736	12.0 720	13.7 706	16.0 681	17.7 660			
	75	1.4 948	4.4 940	6.7 931	8.7 920	11.2 906	15.1 890	16.9 871	16.9 854			
	Max. cont.											
Max. int.												

CPM 100 (96.2 cm3/U)											
Presiune / pressure (bar)								Max. cont. Max. Int.			
	30	60	80	100	125	140	160	175			
Debitul de ulei / Oil flow (l/min)	8	4.0 81	7.7 75	10.5 69	13.0 57	16.1 36	18.0 24			daNm RPM	
	15	3.9 152	7.7 149	10.6 145	13.0 140	16.0 122	18.0 103	20.8 881			
	20	3.6 204	7.4 200	10.4 1955	12.8 190	16.1 177	17.9 166	20.5 148	22.7 133		
	30	3.3 308	7.2 304	10.3 298	12.5 290	16.0 280	17.7 268	20.3 255	22.5 231		
	35	3.0 360	7.0 352	9.8 343	12.2 331	15.9 320	17.6 306	20.2 294	22.4 275		
	45	2.9 462	6.7 458	9.5 451	11.8 443	1.5 433	17.4 419	20.0 402	22.0 383		
	55	2.5 566	6.4 558	9.3 549	11.6 540	15.2 529	17.0 515	19.8 498	21.7 478		
	60	2.2 618	6.0 611	9.1 601	11.4 589	14.9 580	16.7 5770	19.4 558	21.3 540		
	Max. cont.										
	Max. int.	75	1.5 771	5.4 763	8.3 755	10.6 744	14.1 735	16.0 724	18.6 708		20.5 693

Caracteristici

Performance data

CPM 125 (120.2 cm3/U)										
Presiune / pressure (bar)										
Max. cont. Max. Int.										
Debitul de ulei / Oil flow (l/min)		30	60	80	100	125	140	160	175	daNm RPM
	8	5.1	9.8	13.7	16.8	20.8	23.6			
		63	60	55	47	28	15			
	15	5.1	10.1	13.8	16.8	20.9	23.6	26.7		
		121	116	110	102	89	73	48		
	20	4.8	9.8	13.5	16.7	21.1	23.7	26.9	29.0	
		162	158	153	148	137	128	109	94	
	30	4.6	9.6	13.2	16.4	20.9	23.2	26.4	28.7	
		243	239	234	227	216	202	189	176	
	35	4.2	9.2	13.0	16.0	20.6	22.9	26.0	28.4	
	284	279	274	269	259	247	231	222		
45	3.7	8.9	12.5	15.7	20.1	22.4	26.1	28.1		
	370	362	355	348	340	327	310	296		
55	3.3	8.4	12.2	15.2	19.6	21.8	25.2	27.5		
	452	446	438	4431	420	412	402	384		
Max. cont.	60	2.9	7.8	11.7	14.6	19.1	21.5	24.8	27.2	
		490	482	475	468	459	448	439	427	
Max. int.	75	1.8	6.6	10.7	13.3	17.9	20.2	23.6	26.0	
		615	606	598	586	575	563	549	528	

CPM 160 (157.2 cm3/U)										
Presiune / pressure (bar)										
Max. cont. Max. Int.										
Debitul de ulei / Oil flow (l/min)		30	60	80	100	125	140	160	175	daNm RPM
	8	6.2	12.0	17.0	21.2	26.3	29.0			
		49	48	46	42	26	14			
	15	6.0	12.2	17.2	21.5	26.4	29.4	34.0		
		93	91	88	85	76	68	48		
	20	5.7	12.0	17.0	21.4	26.2	29.0	34.0	37.1	
		125	123	120	117	110	106	92	81	
	30	5.3	11.5	16.4	20.6	25.9	28.8	33.5	36.8	
		187	184	181	178	175	168	155	139	
	35	4.9	11.0	16.0	20.2	25.5	28.4	32.8	36.2	
	220	216	213	209	205	202	192	176		
45	4.4	10.2	15.4	19.6	24.8	27.8	32.1	35.8		
	283	280	276	272	267	260	250	238		
55	4.0	9.9	14.8	19.1	24.3	27.2	31.6	35.1		
	345	342	340	336	331	328	320	303		
Max. cont.	60	3.3	9.4	14.4	18.8	23.6	26.7	30.8	34.5	
		377	374	371	367	363	359	353	342	
Max. int.	75	1.9	8.0	12.4	17.0	21.6	25.2	29.6	32.5	
		473	469	465	459	453	447	440	424	

Caracteristici

Performance data

CPM 250 (240.3 cm3/U)										
Presiune / pressure (bar)										
Max. cont. Max. Int.										
Debitul de ulei / Oil flow (l/min)		30	60	80	100	125	140	160	175	daNm RPM
	8	9.6	19.0	26.8	32.6	40.3				
		30	28	24	21	11				
	15	98	194	270	32.7	40.5	45.0	51.0		
		60	58	54	50	40	30	12		
	20	9.2	18.8	26.7	32.5	40.5	45.6	51.4	56.5	
		82	80	77	76	69	64	52	38	
	30	8.5	18.0	25.9	32.0	40.0	44.8	51.3	56.1	
		123	120	118	114	106	98	87	76	
	35	7.7	17.6	25.2	31.1	38.9	43.6	50.4	55.7	
	143	141	139	135	128	122	112	101		
45	7.0	16.8	24.3	30.0	37.7	42.8	49.5	54.3		
	185	182	178	174	168	161	152	139		
55	6.3	15.9	23.7	29.0	36.9	41.7	48.3	53.1		
	226	223	218	213	209	202	193	185		
60	6.0	15.0	22.8	28.0	35.8	40.7	47.3	52.0		
	248	26	243	239	233	2226	215	207		
75	3.4	12.8	20.2	26.4	34.2	38.7	44.8	48.8		
	309	306	302	297	292	286	278	264		
Max. int.										
	75									

CPM 315 (314.5 cm3/U)									
Presiune / pressure (bar)									
Max. cont. Max. Int.									
Debitul de ulei / Oil flow (l/min)	30	60	70	90	100	125	140	daNm RPM	
	8	12.3 25	21.5 23	29.2 21	36.8 17	40.5 11			
	15	11.8 47	21.1 46	28.7 44	36.7 40	40.4 28	49.5 21		56.8 10
	20	11.0 62	20.5 61	27.8 60	36.0 57	39.5 46	49.4 40		56.6 36
	30	10.1 94	19.6 93	27.1 91	34.9 88	38.8 76	49.0 68		56.5 65
	35	9.6 109	18.8 107	26.4 106	34.1 104	38.2 96	47.8 89		55.7 84
	45	8.9 141	18.0 140	25.4 138	33.7 135	37.2 127	46.8 120		55.3 115
	55	7.6 173	16.6 172	23.9 170	32.5 167	36.2 160	45.7 152		54.8 143
	60	6.5 188	15.4 186	22.7 184	30.8 182	34.8 178	44.3 172		52.9 163
	75	4.0 236	12.0 234	20.1 232	27.9 228	32.3 226	41.8 223		49.7 214

CPM 200 (194.5 cm3/U)										
Presiune / pressure (bar)										
								Max. cont.	Max. Int.	
Debitul de ulei / Oil flow (l/min)		30	60	80	100	125	140	16	175	daNm RPM
	8	7.9 40	16.4 39	20.7 38	25.0 35	32.0 28	36.0 22			
	15	7.8 76	16.2 75	20.5 74	25.0 71	33.2 66	36.1 61	41.0 51		
	20	7.6 100	15.8 98	20.3 97	24.7 95	32.0 92	35.8 89	40.3 73	42.2 57	
	30	7.0 151	15.3 149	20.0 147	24.5 145	31.5 142	35.0 139	39.8 131	41.7 120	
	35	6.6 177	14.9 175	19.4 173	23.2 171	29.7 168	34.3 166	38.6 160	41.5 149	
	45	6.3 228	14.6 226	19.0 224	23.0 221	29.4 218	30.4 215	38.3 210	41.0 198	
	55	5.4 280	14.0 278	18.1 276	22.4 274	28.6 271	33.4 269	37.1 263	40.0 250	
	60	3.8 304	12.7 302	16.4 300	21.2 297	27.0 294	32.5 291	35.6 286	39.5 272	
	75	2.2 382	9.6 378	14.5 374	19.2 371	23.5 368	29.3 364	32.1 360	36.7 350	
Max. int.										

CPM 400 (386.2 cm3/U)										
Presiune / pressure (bar)										
Max. cont. Max. Int.										
Debitul de ulei / Oil flow (l/min)		30	45	55	65	80	100	125	daNm RPM	
	8	16.6	23.2	28.7	34.0	41.8				
		20	19	18	16	12				
	15	16.5	22.8	27.7	33.7	41.7	49.6	61.2		
		38	36	35	33	31	27	21		
	20	16.2	22.3	27.3	33.1	41.3	49.5	60.8		
		50	49	49	48	45	41	35		
	30	15.4	21.6	26.6	31.8	40.5	48.6	60.0		
		76	75	74	73	71	67	60		
	35	14.6	21.0	25.6	31.2	39.5	48.0	58.8		
	88	87	87	86	83	80	75			
45	13.2	19.7	24.3	30.0	38.3	46.4	57.6			
	114	113	112	110	108	106	99			
55	11.7	18.4	22.7	28.3	36.3	45.0	55.2			
	139	137	136	135	135	132	123			
60	10.2	16.3	21.5	27.2	34.7	43.6	53.2			
	153	152	150	148	146	143	138			
75	5.3	12.8	18.2	23.4	31.8	39.1	48.4			
	191	189	187	185	183	180	176			

Dimensiuni

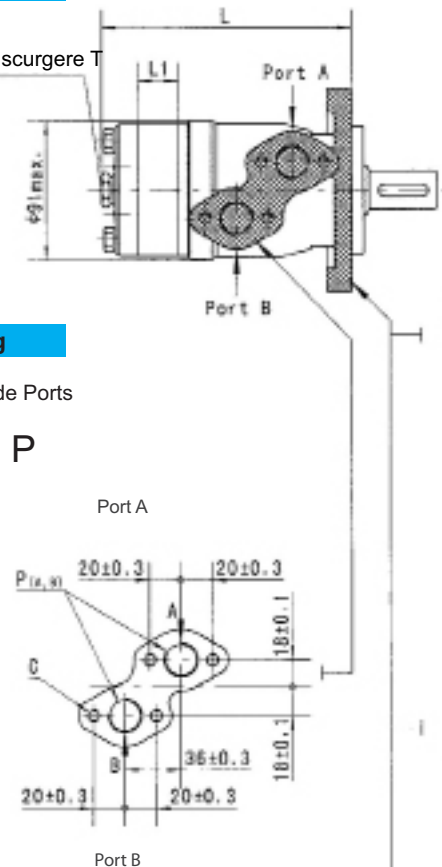
Conexiuni / Porting

Conexiuni laterale / Side Ports

Versiunea **G M U P**

E Conexiuni in spate la cerere / Rear ports on request

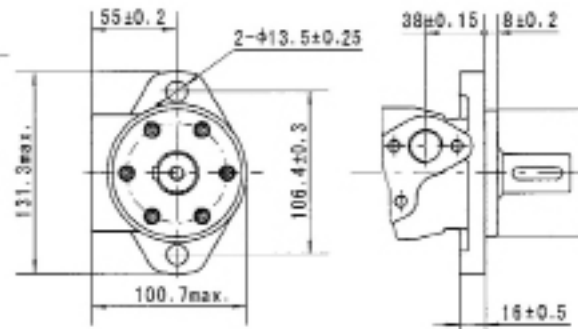
Conex./ Port	Versiuni / Versions			
	Lipsa/ Omit	M	U	P
P(A,B)	2 x G 1/2"	2 x M22 x 1,5	7/8-14 O-Ring	2 x 1/2 NPTF
T	G 1/4"	M14	7/16-20UNF	7/16-20UNF
C	4 x M8	4 x M8	5/16-18 UNC	5/16-18 UNC



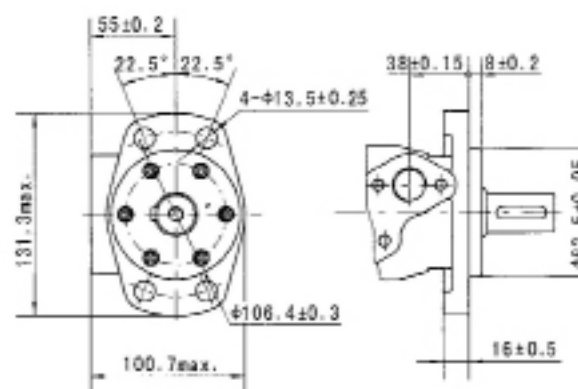
Dimensions

Montaj / Mounting

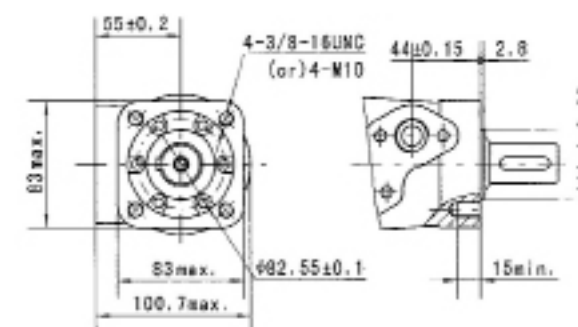
Flansa ovala / Oval Mount SAE A (2-Orificii) / 2 holes



F Flansa Magneto/ Magneto Mount (4-orificii / 4 holes)



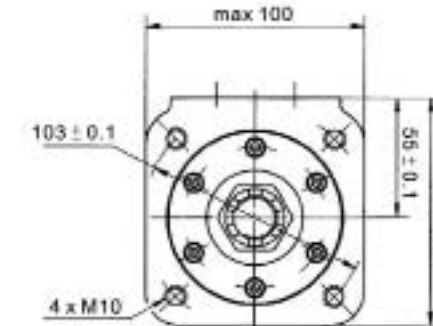
Q Flansa patrata / Square flange (4 Suruburi / 4 bolts)



Tipul / Type	L	L1	Tipul / Type	L	L1
CPM(F) 50	137	7	CPMQ 50	143	7
CPM(F) 80	140.5	10.5	CPMQ 80	146.5	10.5
CPM(F) 100	143	13	CPMQ 100	149	13
CPM(F) 125	146	16	CPMQ 125	152	16
CPM(F) 160	151	21	CPMQ 160	157	21
CPM(F) 200	157	26	CPMQ 200	163	26
CPM(F) 250	162	32	CPMQ 250	168	32
CPM(F) 315	172	42	CPMQ 315	178	42
CPM(F) 400	182	52	CPMQ 400	188	52

Dimensiuni CPMW

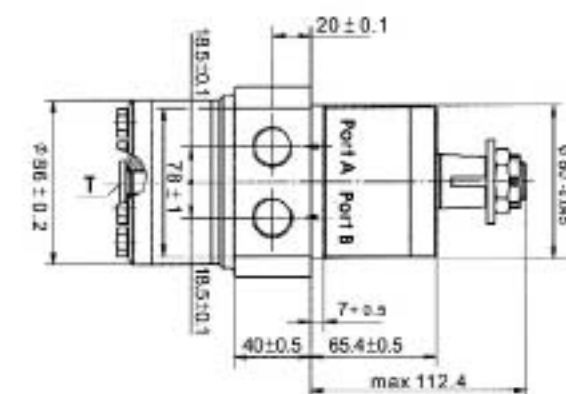
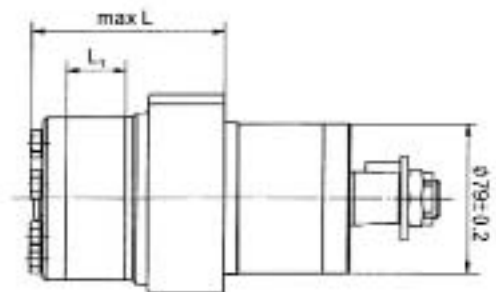
W Montajul rotii / Wheel Mounting



Tipul / Type	L	L1
CPMW(N) 50	81	7
CPMW(N) 80	84.5	10.5
CPMW(N) 100	87	13
CPMW(N) 125	90	16
CPMW(N) 160	95	21
CPMW(N) 200	100	26
CPMW(N) 250	106	32
CPMW(N) 315	116	42
CPMW(N) 400	126	52

Conexiune/ Port	Versiuni / Versions			
	Lipsa/ Omit	M	U	P
P(A,B)	2 x G 1/2"	2 x M22 x 1,5	7/8-14 O-Ring	2 x 1/2 NPTF
T	G 1/4"	M14	7/16-20UNF	7/16-20UNF

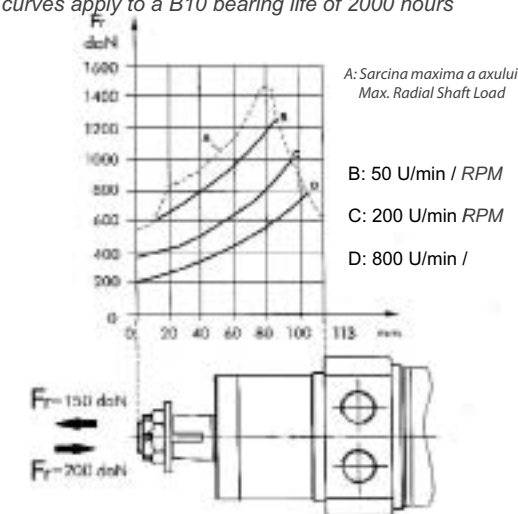
Dimensions CPMW



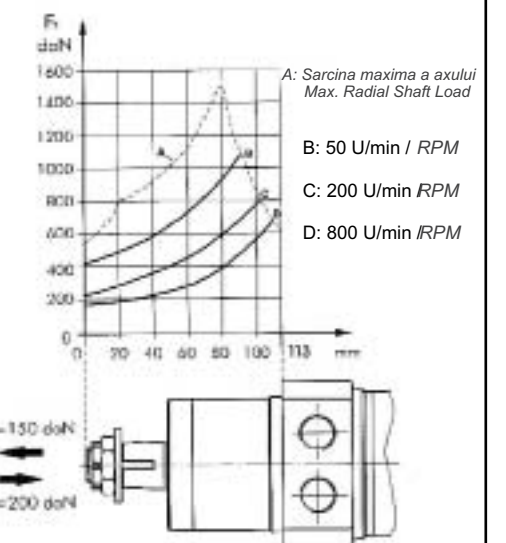
Sarcina la arbore / Shaft load

CPMWN

Curbele sunt valabile la un rulment B10 cu o durata de 2000 de ore
The curves apply to a B10 bearing life of 2000 hours

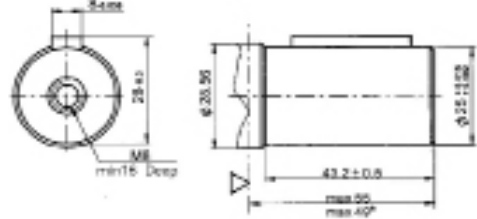


CPMW Max. Radialast

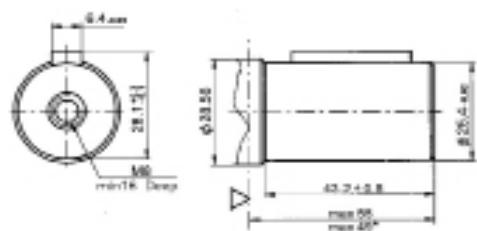


Arbori de iesire

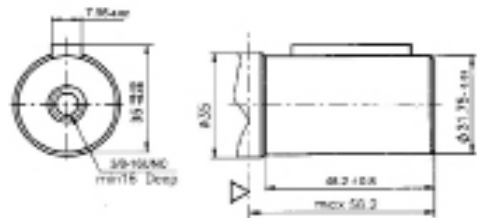
C - Cil Φ 25 mm pana dreaptă, paralelă A8 x 7 x 32. Max. cuplu: 34 daNm / Φ 25 mm straight, parallel key A8 x 7 x 32. Max. torque: 34 daNm



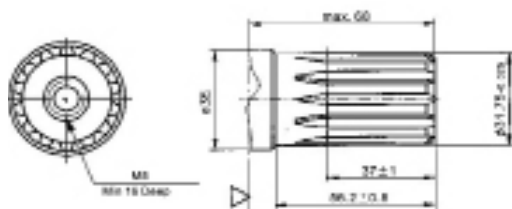
CO - Cil. Φ 25.4 mm cu pana dreaptă, paralelă $\frac{1}{4}" \times \frac{1}{4}" \times 1 \frac{1}{4}"$.
Max. cuplu: 34 daNm / Φ 25.4 mm (1") straight, parallel key $\frac{1}{4}" \times \frac{1}{4}" \times 1 \frac{1}{4}"$.
Max. torque: 34 daNm



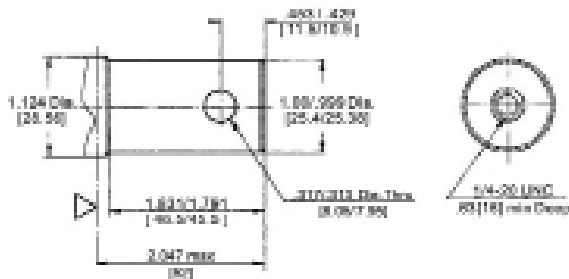
C1 - Cil. Φ 1 1/4 " cu pana dreaptă, paralele 5/16" x 5/16 "x 1 1/4". Max. cuplu: 77 daNm / Φ 1 1/4" straight, parallel key 5/16" x 5/16" x 1 1/4". Max. torque: 77 daNm



S - Cil. Φ 31.75 (1 1/4 ") 14T canelate, DP 12/24. Max. cuplu: 77 daNm
/ Φ 31.75 (1 1/4") splined, 14T, DP 12/24. Max. torque: 77 daNm

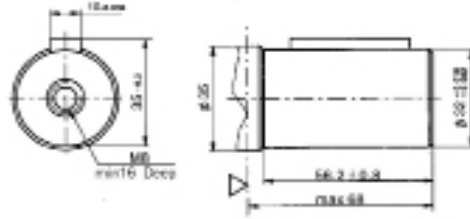


HA - numărul. 25,4 mm, cu
traversa gaura 8 mm / cyl. 25.4 mm with
cross hole 8 mm

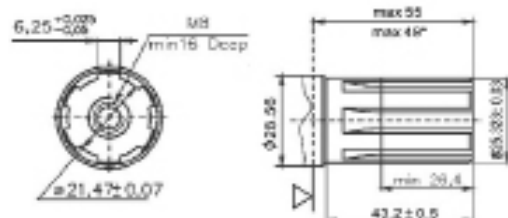


Output shafts

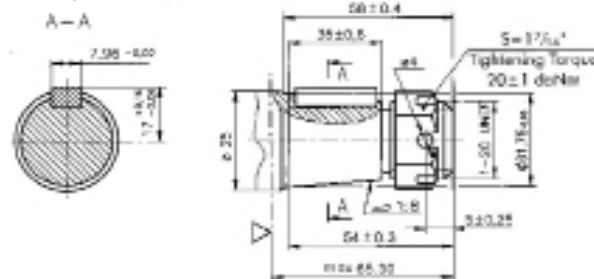
CB - Φ 32 mm cheie dreaptă, paralelă A10 x 8 x 45.
Max. cuplu: 77 daNm / Φ 32 mm straight, parallel key A10 x 8 x 45.
Max. torque: 77 daNm



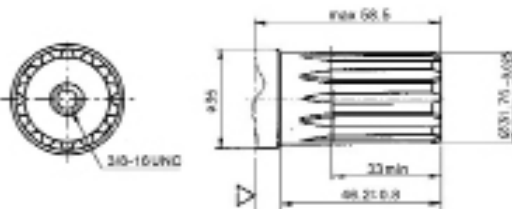
SH - canelate, (SAE 6B),
Max. cuplu: 77 daNm / splined, (SAE 6B),
Max. torque: 77 daNm



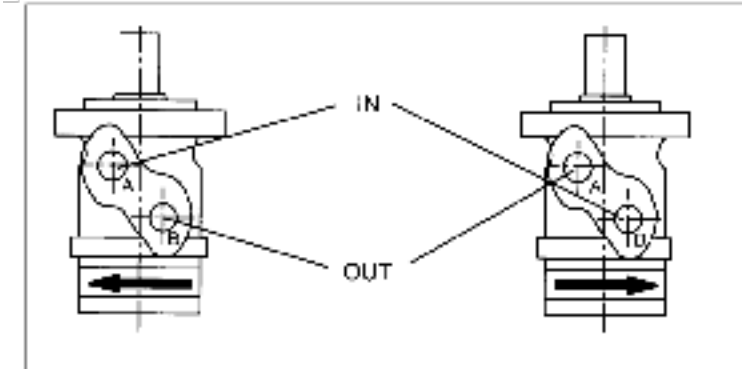
KA - conic 1:08, SAE J 501, tasta paralel 5/16 "x 5/16" x 1 1/4 ". Max.
77 cuplu: 77 daNm / conical 1:8, SAE J 501, parallel key 5/16" x 5/16" x 1 1/4". Max.
torque: 77 daNm



SB - canelate, 14 T, DP 12/24, max. cuplu: 77 daNm /
splined, 14 T, DP 12/24, Max. torque: 77 daNm



K - conic 1:10, B5 cheie paralela x 5 x 14. Max. cuplu: 40 daNm/
conical 1:10, parallel key B5 x 5 x 14. Max. torque: 40 daNm



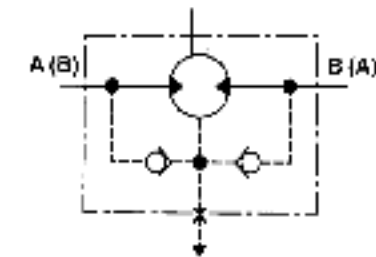
Selectarea sensului de rotației

Direcția de rotație standard:
 Sensul acelor de ceasornic atunci când portul "A" se află sub presiune.
 Contra sensului acelor de ceasornic atunci când portul "B" se află sub presiune.

Standard direction of rotation:
Clockwise when port „A“ is pressurized.
Counter-Clockwise when port „B“ is pressurized.

Presiunea maxima de revenire, fără linie de drenaj sau
presiunea maxima în conducta de drenaj / Max. return pressure without drain line or max.
pressure in drain line

RPM / RPM	Presiune ct. / Pressure (bar)
0-100	75
100-300	50
300-1000	25

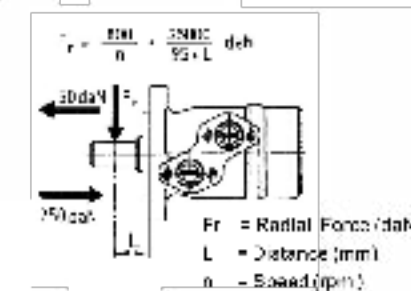
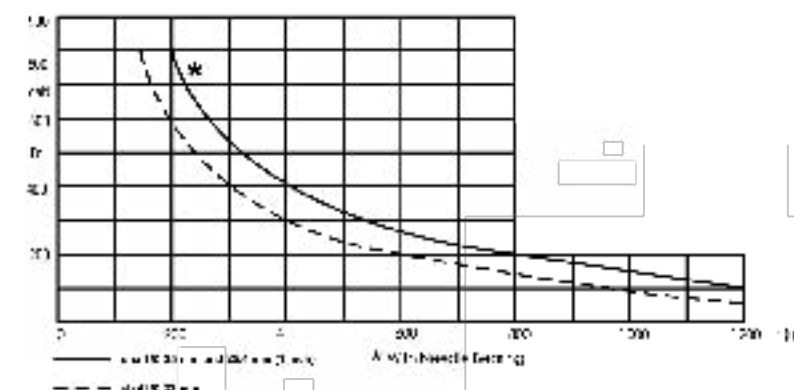


Linie de drenaj/ Drain line

Presiunea maxima de revenire in linia de drenare
/ Max. return pressure with drain line

Continuu / <i>Continuous</i>	160 bar
Temporär / <i>Intermittent</i>	175 bar
Varf / <i>Peak</i>	210 bar

Sarcina arborelui



Sarcina radiala admisa pe arbore radial se calculează pornind de la distanta L între punctul de aplicare al forței și suprafața de montare: /
The permissible radial shaft load is calculated from the distance L between the point load application and the mounting surface:

Informatii pentru comanda

	1	2	3	4	5	6	7	8	9
CPM									

Pos. 1 Flansa de montat / Mounting flange

Lipsa / Empty Flansa ovala 2 orificii, SAE A / Oval mount 2-holes SAE A

F Flansa Magneto 4 orificii / Magneto mount 4 holes

Q Flansa patrata 4 orificii / Square flange 4 holes

W Montajul rotii / Wheel mount

Pos. 2 Optiuni rulmenti / Bearing options

Lipsa / Empty Nimic / None

N Rulment cu ace / Needle bearing

Pos. 3 Tipul orificiului / Port type

Lipsa / Empty Orificii laterale / Side ports

E Orificii in spate (la cerere) / Rear ports (on request)

Pos. 4 Volum / Displacement

50	50 cm ³ /U /	50 ccm/REV
80	80 cm ³ /U /	80 ccm/REV
100	100 cm ³ /U /	100 ccm/REV
125	125 cm ³ /U /	125 ccm/REV
160	160 cm ³ /U /	160 ccm/REV
200	200 cm ³ /U /	200 ccm/REV
250	250 cm ³ /U /	250 ccm/REV
315	315 cm ³ /U /	315 ccm/REV
400	400 cm ³ /U /	400 ccm/REV

Pos. 5 Extensii ale arborelui / Shaft extensions

C	Cil. Φ 25 mm, cu cheie în paralel A8 x 7 x 28 Cyl. Φ 25 mm straight with parallel key A8 x 7 x 28
CO	Cil. Φ 1" (25.4 mm) cu cheie în paralel $\frac{1}{4}$ " x $\frac{1}{4}$ " x $\frac{1}{4}$ " Cyl. Φ 1" (25.4 mm) straight with parallel key $\frac{1}{4}$ " x $\frac{1}{4}$ " x $\frac{1}{4}$ "
HA	Cil. Φ 25.4 mm cu orificiu în cruce 8 mm / Cyl. Φ 25.4 mm with cross hole 8 mm

Order Information

S	Φ 31.75 mm (1 1/4") canelate, 14 T, DP 12/24 / Φ 31.75 mm (1 1/4") splined, 14T, DP 12/24.
SH	Φ 25.32 mm canelate (SAE 6B) / Φ 25.32 mm splined (SAE 6B)
KA	Konisch 1:8 SAE, J501 cu pana 5/16" x 5/16" x 1 1/4" Conical 1:8 SAE, J501 with key 5/16" x 5/16" x 1 1/4"
C1	Φ 1 1/4" drepte cu pana 5/16" x 5/16" x 1 1/4" Φ 1 1/4" straight with key 5/16" x 5/16" x 1 1/4"
CB	Φ 32 mm drepte cu pana A10 x 8 x 45 Φ 32 mm straight with key A10 x 8 x 45
SB	Canelate, 14T, DP 12/24 / splined, 14 T, DP 12/24
K	Conice 1:10 cu cheie B5 x 5 x 14 Conical 1:10 with key B5 x 5 x 14

Pos. 6 Simmeringuri / Shaft seal

D	Garnitura de inalta presiune, pana la 150 bar (standard) High Pressure Seal up to 150 bar (standard)
U	Garnitura de presiune de 200 bar High Pressure Seal 200 bar

Pos. 7 Orificii / Porting

Lipsa / Empty	G 1/2" / G 1/2"
M	Metrisch / Metric
U	7/8-14 UNF, O-Ring / 7/8-UNF, O-ring
P	1/2-14 NPTF / 1/2-14 NPTF

Pos. 8 Culoare / Painting

Lipsa / Empty	Gri / Grey
RAL...	+ culoare RAL (de exemplu 7021) / + Ral colour (e.g. 7021)

Pos. 9 Sensul de rotatie / Rotation direction

Lipsa / Empty	Sens de rotatie standard / Standard Rotation
R	Reversibila / Reverse Rotation

Motor Hidraulic CPRM

CPRM Hydraulic Motor

Hidromotoare tip gerotor cu supape

Cuplu redus de pornire si
eficienta sporita

Optimizat pentru spatii
reduce

Supapa de control interna

Utilizare fara drenaj

Garnituri de etansare pentru
presiune mare in dotare
standard



Spool valve type with geroler

*Low starting torque and high
efficiency*

Optimized for small spaces

Internal check valve

Usage without drain line possible

High pressure seal is standard

Tipul/ Type		CPRM	CPRM	CPRM	CPRM	CPRM	CPRM(1)	CPRM(2)	CPRM(1)	CPRM(2)	CPRM(1)	CPRM(2)	CPRM(1)	CPRM(2)
		50	80	100	125	160	200	200	250	250	315	315	400	400
Volum / Displacement [cm ³ /REV]		51.3	80.6	100.8	124.9	157.2	199.2	199.2	252	252	314.5	314.5	396.5	396.5
Viteza max/ Max Speed [RPM]	Continuu / Cont.	755	750	600	475	375	300	300	240	240	190	190	150	150
	Int (3)	970	940	750	600	470	375	375	300	300	240	240	190	190
Cuplu max. / Max. Torque [daNm]	Continuu / Cont.	10	19.6	24.2	27.1	38.9	45	38.5	53.8	38.8	53.1	38.5	58.5	35.5
	Int.(3)	12.6	22.1	28.1	33.9	42.8	50	46	60.8	57.9	63	57	68.7	59.8
	Varf / Peak (3)	16.8	27	32.1	36.8	45.8	56	56	70.6	65.5	83	83	86.8	71.3
Puterea max. / Max. Output Power [kW]	Continuu / Cont.	6.9	12.6	12	12.4	11.4	11	9	10.5	6.4	9	6	7.7	4.7
	Int.(3)	8.3	15	15	14.5	12.6	13	11.5	12	10.5	11	9.6	10.6	8.7
Scaderea Max. presiune / Max. Pressure Drop [bar]	Continuu / Cont.	140	160	160	160	160	160	135	150	105	135	85	110	65
	Int.(3)	175	180	180	180	180	180	175	175	160	150	130	140	75
	Varf / Peak (3)	210	210	210	210	210	210	210	210	200	175	175	175	175
Debitul Max. de ulei / Max. Oil flow [bar]	Continuu / Cont.	40	60	60	60	60	60	60	60	60	60	60	60	60
	Int.(3)	50	75	75	75	75	75	75	75	75	75	75	75	75
Presiunea Max. de intrare / Max. Input Pressure [bar]	Continuu / Cont.	175	175	175	175	175	175	175	175	175	175	175	175	175
	Int.(3)	200	200	200	200	200	200	200	200	200	200	200	200	200
	Varf / Peak (3)	225	225	225	225	225	225	225	225	225	225	225	225	225
Masa / Weight [bar]		6.7	6.9	6.9	7.2	7.5	8.1	8.1	8.5	9.5	9.1	9.1	9.5	9.5

1 Motorul CPM cu CB, SH, K si ax SB

2 Motorul CPM cu C, CO si ax S

3 Evaluarea funcționării intermitente se aplică la 6 sec. din fiecare minut

4 Evaluarea sarcinii de vârf se aplică la 0,6 sec de fiecare minut

(1) CPRM Motor with CB, SH, K and SB shafts

(2) CPRM Motor with C, CO and S shafts

(3) Intermittend operation rating applies to 6 sec. of every minute

(4) Peak load rating applies to 0,6 sec of every minute

Caracteristici

Performance data

Caracteristici

Performance data

CPRM 50 (51.7 cm3/U)									
Debitul de ulei / Oil flow (l/min)	Presiune / pressure (bar)								daNm RPM
	50	70	90	100	120	140	160	175	
	5	3.5	4.5	6.1	6.7	7.7	8.8		
		93	84	76	73	69	46		
	10	3.6	4.6	6.2	6.9	8.0	9.5	10.8	
		186	178	166	162	153	136	118	
	15	3.5	4.9	6.3	7.3	8.8	10.0	10.9	
		283	277	269	261	250	230	211	
	20	3.5	4.7	6.1	6.9	8.3	9.6	10.9	
		377	375	365	361	346	330	302	
Max. cont.	30	3.3	4.4	6.0	6.7	8.0	9.5	10.8	Max. Int.
		576	569	561	554	542	531	500	
	40	3.0	4.1	5.8	6.6	7.9	9.2	10.6	
		760	758	753	750	738	724	700	
	45	2.9	4.0	5.7	6.5	7.8	9.0	10.5	
		856	853	849	845	835	815	796	
	50	2.6	3.7	5.3	6.0	7.3	8.5	9.9	
		950	940	925	906	880	852	832	
	60	2.0	3.3	4.8	5.6	6.9	8.1	9.5	
		1138	1124	1100	1075	1056	1028	1006	

CPRM 80 (81.5 cm3/U)									
Debitul de ulei / Oil flow (l/min)	Presiune / pressure (bar)								daNm RPM
	50	70	90	100	120	140	160	175	
	5	5.0	6.4	8.8	10.8	13.3			
		59	56	50	44	38			
	10	5.4	7.7	9.9	10.8	12.9	15.0	17.3	
		118	113	106	97	86	79	56	
	20	5.7	7.8	10.2	11.1	13.4	15.5	17.7	
		238	234	227	216	203	190	178	
	30	5.4	7.5	10.0	10.8	13.1	15.2	17.6	
		360	352	340	332	316	302	290	
Max. cont.	40	4.8	7.3	9.6	10.5	2.7	14.8	17.2	Max. Int.
		480	470	458	445	430	418	403	
	50	4.2	7.0	9.3	10.2	12.4	14.7	17.0	
		604	595	582	570	556	540	521	
	60	3.7	6.6	8.9	9.8	12.1	14.4	16.6	
		726	715	704	692	678	663	647	
	70	3.2	6.0	8.3	9.5	11.6	14.0	16.0	
		845	834	820	802	789	767	754	
	75	2.1	5.0	7.8	9.0	11.1	13.5	15.4	
		910	895	881	867	852	830	806	

CPRM 125 (127.2 cm3/U)									
Debitul de ulei / Oil flow (l/min)	Presiune / pressure (bar)								daNm RPM
	50	70	90	100	120	140	160	175	
	5	7.6	11.0	14.5	16.7	18.9			
		36	31	25	19	13			
	10	8.4	11.8	15.5	17.6	20.2	22.8	25.3	
		73	70	60	48	36	25	19	
	20	8.2	11.7	15.3	17.4	20.0	23.0	25.9	
		153	151	148	144	138	128	117	
	30	7.9	11.6	15.1	17.1	19.8	22.8	25.7	
		231	228	224	218	210	201	183	
Max. cont.	40	7.2	11.4	14.8	16.8	19.6	22.6	25.6	Max. Int.
		309	307	303	298	292	280	270	
	50	6.2	10.5	14.3	16.5	19.5	22.3	25.4	
		389	386	382	378	370	360	344	
	60	5.2	9.8	13.6	16.0	19.1	22.0	25.0	
		467	463	459	456	448	427	410	
	70	4.1	9.0	13.0	15.6	18.7	21.5	24.2	
		545	542	538	534	529	520	508	
	75	3.2	7.9	12.6	14.8	18.0	20.8	23.4	
		586	583	578	570	560	546	532	

CPRM 160 (157.2 cm3/U)									
Debitul de ulei / Oil flow (l/min)	Presiune / pressure (bar)								daNm RPM
	50	70	90	100	120	140	160	175	
	5	10.4	14.6	19.0	21.0	24.5			
		26	23	20	16	10			
	10	10.7	15.0	19.5	21.6	25.0	29.0	33.5	
		59	56	50	45	37	30	22	
	20	10.2	15.1	19.8	22.0	25.7	29.8	34.2	
		121	118	115	113	108	102	97	
	30	9.7	14.6	19.0	21.7	25.6	29.5	34.0	
		184	178	173	170	164	155	143	
Max. cont.	40	9.8	14.0	18.5	21.0	25.2	29.0	33.5	Max. Int.
		246	241	235	228	220	210	194	
	50	7.2	12.8	17.9	20.2	24.4	28.4	32.7	
		310	307	300	295	287	278	262	
	60	6.0	11.6	17.0	19.8	24.0	27.9	32.1	
		374	367	359	354	346	338	323	
	70	4.9	10.7	16.4	19.3	23.3	27.1	30.9	
		437	430	421	415	403	393	381	
	75	3.6	9.8	15.2	18.5	22.6	26.5	30.0	
		472	463	450	441	431	420	405	

CPRM 100 (102 cm3/U)									
Debitul de ulei / Oil flow (l/min)	Presiune / pressure (bar)								daNm RPM
	50	70	90	100	120	140	160	175	
	5	6.6	9.2	12.0	135.	15.6			
		45	42	38	34	27			
	10	6.8	9.6	12.5	13.8	15.9	18.8	21.2	
		93	90	86	81	74	57	42	
	20	6.5	9.4	12.3	13.7	15.5	18.6	21.0	
		189	185	180	173	165	158	150	
	30	6.3	9.2	12.0	13.3	15.3	18.5	20.9	
		286	281	275	266	257	246	237	
Max. cont.	40	5.7	8.8	11.7	13.0	15.2	18.5	20.8	Max. Int.
		385	378	365	355	345	332	320	
	50	48	79	110	123	150	183	204	
		482	477	470	460	448	435	420	
	60	38	70	105	120	144	178	200	
		580	572	560	548	535	523	510	
	70	32	65	100	118	141	176	197	
		678	670	660	648	638	626	615	
	75	23	59	93	111	136	170	192	
		728	720	710	695	681	667	650	

CPRM 200 (194.5 cm3/U)									
Debitul de ulei / Oil flow (l/min)	Presiune / pressure (bar)								daNm RPM
	50	70	90	100	120	140	160	175	
	5	13.2	18.1	23.8	26.2	31.0			
		24	22	18	13	10			
	10	13.5	18.6	24.0	26.4	31.5	35.6	40.3	
		49	47	45	43	38	33	24	
	20	13.1	18.3	23.8	26.0	31.4	35.8	40.4	
		99	97	94	92	88	83	74	
	30	12.6	17.8	23.3	25.4	31.1	35.5	40.2	
		149	147	144	141	135	126	113	
Max. cont.	40	11.2	16.9	22.8	25.0	30.7	35.2	40.0	Max. Int.
		200	197	194	191	185	174	160	
	50	9.5	15.6	22.1	24.6	30.0	35.0	39.8	
		252	249	246	243	238	228	212	
	60	7.8	14.5	21.3	23.8	28.9	34.2	38.6	
		304	301	298	294	286	276	262	
	70	6.7	13.5	20.6	22.8	27.7	33.6	37.5	
		355	353	349	340	329	316	300	
	75	5.8	12.5	19.7	22.0	27.0	32.1	36.0	
		382	379	373	362	350	337	332	

Caracteristici

Performance data

CPRM 250 (253.5 cm3/U)									
Presiune / pressure (bar)									
	50	70	90	100	120	140	160	175	200
5	17.5	24.3	30.4	34.2	40.7				
	17	16	14	12	10				
10	17.6	24.6	31.0	34.4	40.9	46.5	52.5		
	37	35	31	28	23	18	11		
20	17.5	24.4	30.8	34.0	40.8	46.3	52.0	55.8	63.6
	75	73	72	70	66	58	53	50	42
30	16.2	23.5	30.4	33.2	40.0	45.5	51.6	55.0	62.1
	114	111	108	106	100	92	83	77	65
40	14.3	22.3	30.0	32.9	39.6	44.7	51.2	54.6	61.7
	154	152	150	147	143	132	120	110	90
50	12.4	20.8	28.9	32.3	38.4	44.0	50.3	53.5	60.0
	193	190	187	174	168	160	149	140	116
60	10.3	19.2	28.0	31.4	37.1	42.6	48.9	51.4	57.8
	233	230	227	224	218	205	190	181	155
Max. cont.	70	8.8	17.8	26.4	30.1	35.6	41.8	47.9	49.8
		273	270	267	263	252	242	226	209
Max. int.	75	6.2	16.5	25.6	28.8	34.7	41.2	47.4	48.6
		294	291	287	283	274	263	249	236

CPRM 315 (317.5 cm3/U)									
Presiune / pressure (bar)									
	50	70	90	100	120	140	160	175	
5	21.5	30.2							
	13	11							
10	21.8	30.5	38.3	42.2	48.8	55.1	62.2		
	28	27	25	24	21	18	13		
20	21.5	30.3	38.0	41.8	48.5	54.9	62.0	66.0	
	60	59	57	55	52	49	45	42	
30	20.4	29.6	37.5	41.3	48.0	54.2	61.3	65.4	
	91	89	86	84	81	78	72	67	
40	19.6	28.7	36.8	41.0	47.7	53.9	60.9	65.0	
	122	120	117	112	106	100	94	85	
50	17.6	27.0	35.6	39.3	46.1	52.6	59.7	64.5	
	154	151	147	140	131	120	109	100	
60	16.2	24.6	33.9	37.4	44.6	51.1	58.6	62.8	
	185	182	177	172	163	152	140	134	
70	14.3	23.5	32.4	35.8	43.0	49.3	56.2	61.4	
	217	213	208	201	190	178	166	158	
Max. int.	75	12.5	21.2	30.3	33.9	41.7	48.1	54.3	58.2
		232	228	222	216	208	200	183	171

CPRM 400 (381.4 cm3/U)									
Presiune / pressure (bar)									
	30	45	55	65	80	100	125	140	
5	15.3	23.2							
	12	10							
10	15.7	23.6	28.4	33.7	40.6	49.7	61.2	66.8	
	24	23	22	21	19	17	15	12	
20	15.0	23.2	28.0	33.2	40.1	49.0	60.6	66.0	
	49	48	47	46	44	41	38	32	
30	14.2	21.5	27.4	32.7	39.8	48.3	60.3	65.2	
	76	75	74	73	71	67	63	50	
40	12.6	21.2	26.8	32.0	39.3	47.7	59.3	63.5	
	103	101	99	97	95	92	8870		
50	10.5	18.7	24.2	30.2	37.6	45.5	58.3	60.8	
	128	126	124	121	118	115	111	96	
60	9.0	16.7	22.9	28.1	36.2	44.4	56.6	60.0	
	154	152	150	148	145	138	130	121	
Max. cont.	70	9.0	14.9	20.0	25.8	34.1	42.5	54.6	58.0
		180	179	178	176	173	168	160	148
Max. int.	75	5.6	12.5	18.2	24.1	32.0	40.8	52.4	56.5
		195	194	193	191	189	185	178	170

Dimensiuni

Dimensions

Montaj / Mounting

Conexiuni / Porting

Flansa ovala SAE A 2 orificii / Oval Mount SAE A 2 holes

Conexiuni laterale / Side ports

Versiunea G M U P

F Flansa magnetica / Magneto Mount (4 orificii / 4 holes)

E Orificii in spate la cerere / Rear ports on request

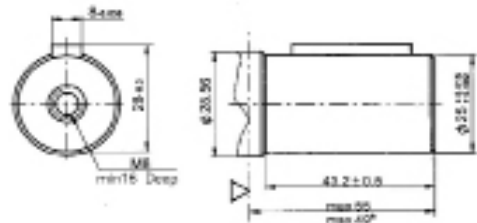
Q Flansa patrata / Square flange (4 Suruburi / 4 bolts)

Orificiu/ Port	Versiuni / Versions			
	Lipsa/ Omit	M	U	P
P(A,B)	2 x G 1/2"	2 x M22 x 1,5	7/8-14 O-Ring	1/2-14 NPTF
T	G 1/4"	M14 x 1,5	7/16-20 UNF	7/16-20 UNF
C	4 x M8	4 x M8	5/16-18 UNC	5/16-18 UNC

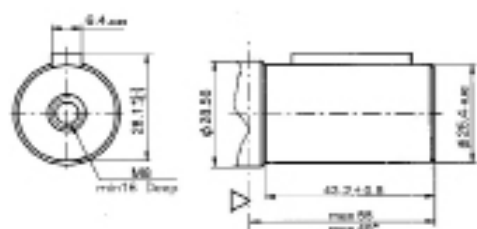
Tipul / Type	L	L ₁	Tipul / Type	L	L ₁
CPRM(F) 50	140	10	CPRMQ 50	146	10
CPRM(F) 80	146	16	CPRMQ 80	152	16
CPRM(F) 100	150	20	CPRMQ 100	156	20
CPRM(F) 125	155	25	CPRMQ 125	161	25
CPRM(F) 160	161.5	30.5	CPRMQ 160	167.5	30.5
CPRM(F) 200	170	38.1	CPRMQ 200	176	38.1
CPRM(F) 250	180	50	CPRMQ 250	186	50
CPRM(F) 315	192	62	CPRMQ 315	198	62
CPRM(F) 400	204	74	CPRMQ 400	188	74

Arbori

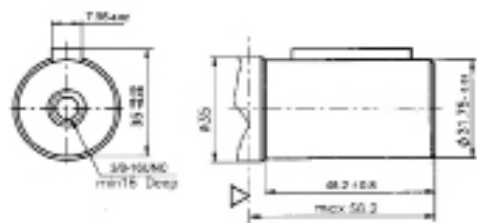
C - Cil. $\Phi 25$ mm pana dreaptă, paralelă A8 x 7 x 32.
Max. cuplu: 34 daNm / $\Phi 25$ mm straight, parallel key A8 x 7 x 32.
Max. torque: 34 daNm



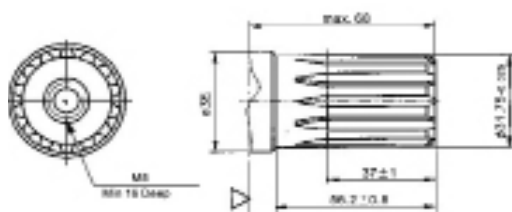
CO - Cil. $\Phi 25,4$ mm (1") drept, pana paralel 1/4" x 1/4" x 1 1/4".
Max. cuplu: 34 daNm / $\Phi 25,4$ mm (1") straight, parallel key 1/4" x 1/4" x 1 1/4".
Max. torque: 34 daNm



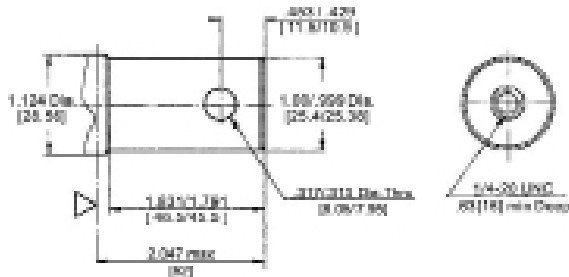
C1 - Cil. $\Phi 1 \frac{1}{4}$ "cheie dreaptă, paralele 5/16" x 5/16" x 1 1/4".
Max. cuplu: 77 daNm / $\Phi 1 \frac{1}{4}$ "straight, parallel key 5/16" x 5/16" x 1 1/4".
Max. torque: 77 daNm



S - $\Phi 31,75$ mm (1 1/4") canelate, 14T, DP 12/24.
Max. cuplu: 77 daNm / $\Phi 31,75$ mm (1 1/4") splined, 14T, DP 12/24.
Max. torque: 77 daNm

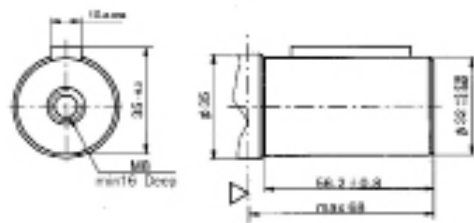


HA - numărul. 25,4 mm cu cruce
gaura de 8 mm / cyl. 25.4 mm with cross
hole 8 mm

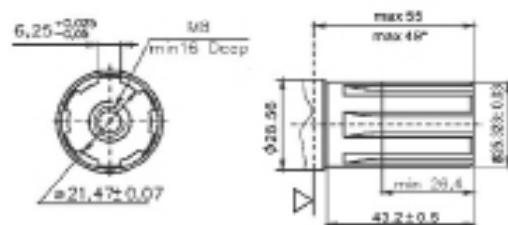


Output shafts

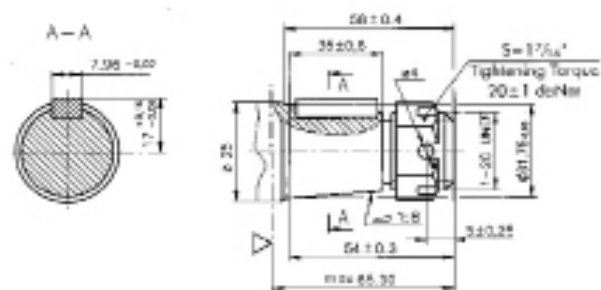
CB - Cil. $\Phi 32$ mm pana dreaptă, paralelă A10 x 8 x 45.
Max. cuplu: 77 daNm / $\Phi 32$ mm straight, parallel key A10 x 8 x 45.
Max. torque: 77 daNm



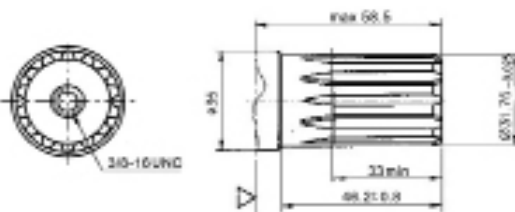
SH - canelate, (SAE 6B), Max. cuplu: 77 daNm / splined, (SAE 6B),
Max. torque: 77 daNm



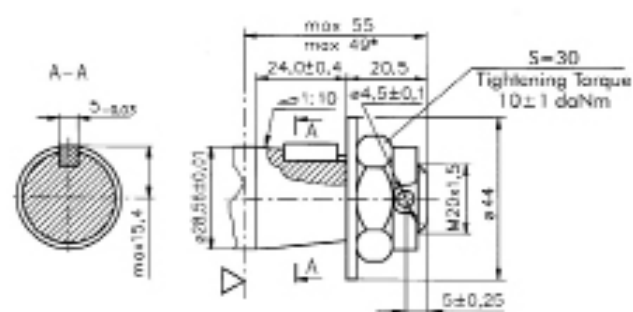
KA - conic 1:08, SAE J 501, cu pana paralel 5/16" x 5/16" x 1 1/4".
Max. cuplu: 77 daNm / conical 1:8, SAE J 501, parallel key 5/16" x 5/16" x 1 1/4".
Max. torque: 77 daNm



SB - canelate, 14 T, DP 12/24. Max. cuplu: 77 daNm / splined,
14 T, DP 12/24. Max. torque: 77 daNm



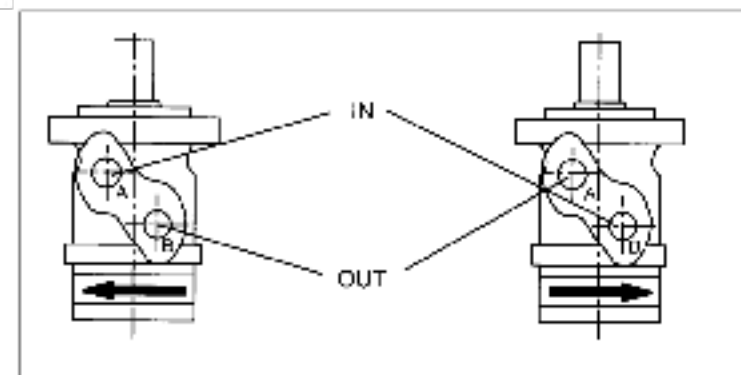
K - conic 1:10, cu pana paralel B5 x 5 x 14. Max. cuplu: 40 daNm /
conical 1:10, parallel key B5 x 5 x 14. Max. torque: 40 daNm



Selectarea sensului de rotației Rotation selection

Direcția de rotație standard:
Sensul acelor de ceasornic atunci când port "A" se află sub presiune.
Contra sensului acelor de ceasornic atunci când portul "B" se află sub presiune.

Standard direction of rotation:
Clockwise when port „A” is pressurized.
Counter-Clockwise when port „B” is pressurized.

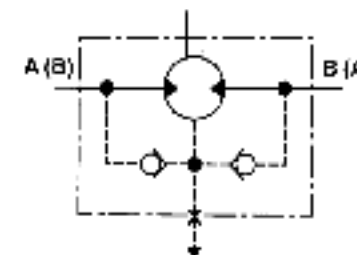


Presiunea maxima de revenire fara linie de drenaj
presiunea maxima în conducta de drenare/ Max. return pressure without drain line or max.
pressure in drain line

Rpm/ RPM	Presiune ct./ Cont. Pressure (bar)
0-100	75
100-300	50
300-1000	25

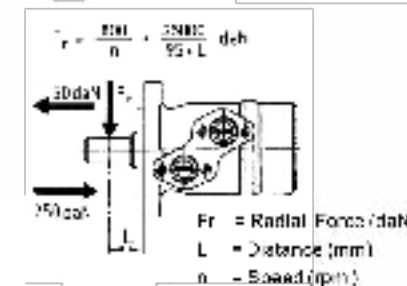
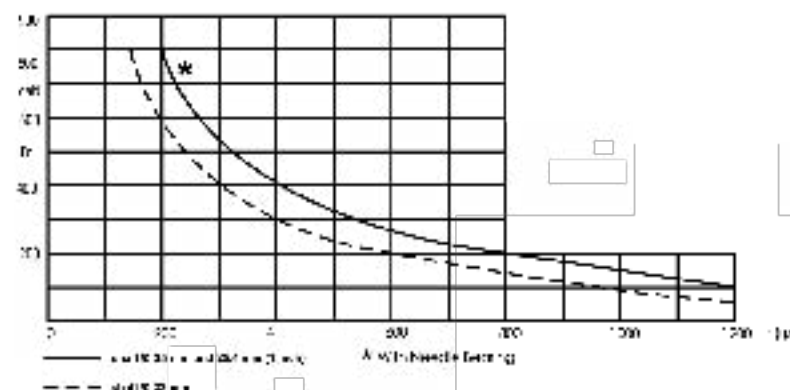
Presiunea maxima de retur în linia de drenaj
/ Max. return pressure with drain line

Continuu / Continuous	160 bar
Temporar / Intermittent	175 bar
Varf / Peak	210 bar



Linie de drenaj/ Drain line

Sarcina arborelui Shaft Load



Sarcina radiala admisa pe arbore se calculează de la L la distanta
între punctul de aplicare al forței și suprafața de montare: /
The permissible radial shaft load is calculated from the distance L
between the point load application and the mounting surface:

Informatii pentru comanda

	1	2	3	4	5	6	7	8	9
CPRM									

Pos. 1 Flansa de montat / Mounting flange

Lipsa / Omit Flansa ovala 2 orificii, SAE A / Oval mount 2-holes SAE A

- F Flansa magnetica 4 orificii / Magneto mount 4 holes
- Q Flansa patrata 4 orificii / Square flange 4 holes
- W Montajul rotii / Wheel mount

Pos. 2 Optiuni rulmenti / Bearing options

Lipsa / Omit Nimic / None

- N Rulment cu ace / Needle bearing

Pos. 3 Tipul orificiului / Port type

Lipsa / Omit Orificii laterale / Side ports

- E Orificii in spate (la cerere) / Rear ports (on request)

Pos. 4 Volum / Displacement

50	50 cm ³ /U / 50 ccm/REV
80	80 cm ³ /U / 80 ccm/REV
100	100 cm ³ /U / 100 ccm/REV
125	125 cm ³ /U / 125 ccm/REV
160	160 cm ³ /U / 160 ccm/REV
200	200 cm ³ /U / 200 ccm/REV
250	250 cm ³ /U / 250 ccm/REV
315	315 cm ³ /U / 315 ccm/REV
400	400 cm ³ /U / 400 ccm/REV

Pos. 5 Extensii ale arborelui / Shaft extensions

- C $\Phi 25$ 25 mm, cu pana paralela A8 x 7 x 28
 $\Phi 25$ mm straight with parallel key A8 x 7 x 28
- CO $\Phi 1"$ (25.4 mm) cu pana paralela $\frac{1}{4}" \times \frac{1}{4}" \times \frac{1}{4}"$
 $\Phi 1"$ (25.4 mm) straight with parallel key $\frac{1}{4}" \times \frac{1}{4}" \times \frac{1}{4}"$
- HA cil. $\Phi 25.4$ mm cu orificiu in cruce 8 mm
cyl. $\Phi 25.4$ mm with cross hole 8 mm

Order Information

- S $\Phi 31.75$ mm (1 $\frac{1}{4}"$) canelate, 14 T, DP 12/24 /
 $\Phi 31.75$ mm (1 $\frac{1}{4}"$) splined, 14T, DP 12/24.
- SH $\Phi 25.32$ mm canelate (SAE 6B) $\Phi 25.32$ mm splined (SAE 6B)
- KA Conic 1:8 SAE, J501 cu pana $\frac{5}{16}" \times \frac{5}{16}" \times 1 \frac{1}{4}"$
Conical 1:8 SAE, J501 with key $\frac{5}{16}" \times \frac{5}{16}" \times 1 \frac{1}{4}"$
- C1 $\Phi 1 \frac{1}{4}"$ cil. drepte cu pana $\frac{5}{16}" \times \frac{5}{16}" \times 1 \frac{1}{4}"$
 $\Phi 1 \frac{1}{4}"$ straight with key $\frac{5}{16}" \times \frac{5}{16}" \times 1 \frac{1}{4}"$
- CB $\Phi 32$ mm cil. dreapta cu pana A10 x 8 x 45
 $\Phi 32$ mm straight with key A10 x 8 x 45
- SB Canelate, 14T, DP 12/24 /splined, 14 T, DP 12/24
- K Conice 1:10 cu pana B5 x 5 x 14
Conical 1:10 with key B5 x 5 x 14

Pos. 6 Simmeringuri / Shaft seal

- D Simmering de inalta presiune, pana la 150 bar (standard)
High Pressure Seal up to 150 bar (standard)
- U Simmering de presiune de 200 bar
High Pressure Seal 200 bar

Pos. 7 Orificii / Porting

Lipsa / Empty G $\frac{1}{2}"$ / G $\frac{1}{2}"$

- M Metrisch / Metric
- U 7/8-14 UNF, O-Ring / 7/8 -UNF, O-ring
- P $\frac{1}{2}$ -14 NPTF / $\frac{1}{2}$ -14 NPTF

Pos. 8 Culoare / Painting

Lipsa / Omit Gri / Grey

- RAL... + culoare RAL (de exemplu 7021) /
+ Ral colour (e.g. 7021)

Pos. 9 Sensul de rotatie / Rotation direction

Lipsa / Omit Rotatie standard / Standard Rotation

- R Rotatie reversibila / Reverse Rotation

Motorul hidraulic CPMH

CPMH Hydraulic Motor

Hidromotor tip gerotor cu supape

Cuplu de pornire mic si eficienta ridicata

Montare cu flansa

Supapa de control interna

Alte caracteristici speciale posibile



Spool valve type with geroler

Low starting torque and high efficiency

Flange mount

Internal check valve

Other special features possible

Tipul / Type		CPMH	CPMH	CPMH	CPMH	CPMH
		200	250	315	400	500
Volum / Displacement [cm ³ /rev]		203.2	255.9	316.1	406.4	489.2
Viteza maxima / Max. Speed [RPM]	Continuu / Cont.	366	290	236	183	155
	Int.(1)	439	348	282	220	166
Cuplu Maxim Max Torque [daNm]	Continuu / Cont.	51	62.1	74	85	83
	Int.(1)	57,8	70.2	82.7	99	104
	Varf/ Peak (2)	65.1	79	98	109.2	117
Puterea max. / Max. Output Power [kW]	Continuu / Cont.	11.2	9.2	9.8	7.4	6.5
	Int.(1)	17	15	13	13	11
Caderea de pres Max/ Max. Pressure drop [bar]	Continuu / Cont.	175	175	175	155	125
	Int.(1)	200	200	200	190	160
	Varf/ Peak (2)	225	225	225	210	180
Debit Max de ulei/ Max oil flow [l/min]	Continuu / Cont.	75	75	75	75	75
	Int.(1)	90	90	90	90	90
Presiunea max de admisie Max input pres. [bar]	Continuu / Cont.	200	200	200	200	200
	Int.(1)	225	225	225	225	225
	Varf/ Peak (2)	250	250	250	250	250
Pres. max de intoarcere Max return pressure with drainline [bar]	Continuu / Cont.	175	175	175	175	175
	Int.(1)	200	200	200	200	200
	Varf/ Peak (2)	225	225	225	225	225
Masa / Weight [kg]		10.5	11	11.5	12.3	13

(1) Evaluarea funcționării intermitente se aplică la 6 sec. din fiecare minut

(2) Evaluarea de vârf se aplică la 0,6 sec din fiecare minut

(1) Intermittend operation rating applies to 6 sec. of every minute

(2) Peak load rating applies to 0,6 sec of every minute

Caracteristici

Performance data

Caracteristici

Performance data

CPMH 200 (203.2 cm3/U)									
Presiune / pressure (bar)							Max. cont.	Max. Int.	
							35	70	
Debitul de ulei / Oil flow (l/min)	5	9.8	19.4	28.4					daNm
		25	25	22					RPM
	10	10.1	20.4	30.1	39.1	48.2			
		43	41	36	29	14			
	20	9.9	20.1	30.4	40.2	50.9	57.6		
		100	97	93	85	69	56		
	30	9.7	19.7	30.0	40.2	51.0	57.9		
		145	143	139	130	114	101		
	40	9.0	19.0	29.2	39.9	50.7	57.8		
		200	200	200	188	168	153		
Max. cont.	50	8.2	18.3	28.4	39.2	50.0	57.1		
		248	246	244	235	213	199		
	60	7.3	17.4	27.4	38.4	49.3	56.3		
		292	290	287	279	260	244		
	70	6.3	16.3	26.4	37.4	48.1	55.4		
		352	350	349	338	318	301		
	75	5.9	15.7	25.9	36.6	47.5	54.7		
		366	365	363	355	335	319		
	80	5.3	15.0	25.3	35.8	46.6	53.8		
		381	381	380	371	352	338		
Max. int.	90	3.9	14.0	24.1	34.8	45.6	52.6		
		443	437	434	426	407	392		

CPMH 250 (255.9 cm3/U)									
Presiune / pressure (bar)							Max. cont.	Max. Int.	
							35	70	
Debitul de ulei / Oil flow (l/min)	5	12.1	24.6	31.8	39.8				daNm
		19	19	18	14				RPM
	10	13.0	25.8	33.1	42.5	51.5	59.5		
		34	33	31	29	23	12		
	20	13.0	25.8	33.2	43.2	52.0	62.1	70.2	
		78	77	76	73	65	53	42	
	30	12.2	25.1	32.7	42.9	52.0	62.1	70.0	
		115	113	111	105	96	84	75	
	40	11.5	24.0	32.3	42.2	51.3	61.6	69.8	
		157	157	156	150	139	127	114	
Max. cont.	50	10.5	23.2	31.4	41.1	50.5	60.6	68.7	
		196	195	192	185	173	159	147	
	60	9.4	22.0	30.2	40.1	49.6	59.6	67.6	
		232	230	226	218	206	192	180	
	70	8.1	20.9	28.8	38.9	48.4	58.2	66.6	
		274	274	274	266	252	238	222	
	75	7.2	20.3	28.0	38.1	47.5	57.4	65.9	
		290	289	287	279	266	251	236	
	80	6.6	19.4	27.3	37.1	46.7	56.6	65.1	
		303	302	298	290	279	264	249	
Max. int.	90	4.9	17.8	25.6	35.5	45.3	55.2	63.4	
		348	347	345	337	325	309	292	

CPMH 315 (316.1 cm3/U)									
Presiune / pressure (bar)							Max. cont.	Max. Int.	
							35	70	
Debitul de ulei / Oil flow (l/min)	5	15.5	32.5						daNm
		16	13						RPM
	10	16.3	34.2	45.4	55.6				
		27	24	18	14				
	20	16.9	34.9	46.9	58.2	66.4	73.3	80.9	
		63	61	55	48	40	32	19	
	30	16.5	34.4	47.0	58.0	66.9	74.0	82.4	
		93	89	82	77	67	59	46	
	40	15.4	33.7	46.5	57.7	66.3	73.7	82.7	
		126	126	119	111	99	88	73	
Max. cont.	50	14.1	32.5	45.5	56.8	65.6	72.8	82.4	
		159	155	148	139	126	115	98	
	60	12.1	31.2	44.0	55.5	64.3	71.5	81.2	
		187	186	179	169	154	143	124	
	70	10.3	29.8	42.5	54.1	63.1	70.3	80.0	
		222	222	215	205	187	176	157	
	75	9.4	28.7	41.7	52.9	62.3	69.6	79.2	
		236	233	224	215	196	184	166	
	80	8.2	27.7	40.6	51.8	61.1	68.8	78.4	
		246	244	236	228	210	197	174	
Max. int.	90	6.2	25.6	38.6	49.6	59.3	66.9	76.7	
		282	280	275	266	248	234	209	

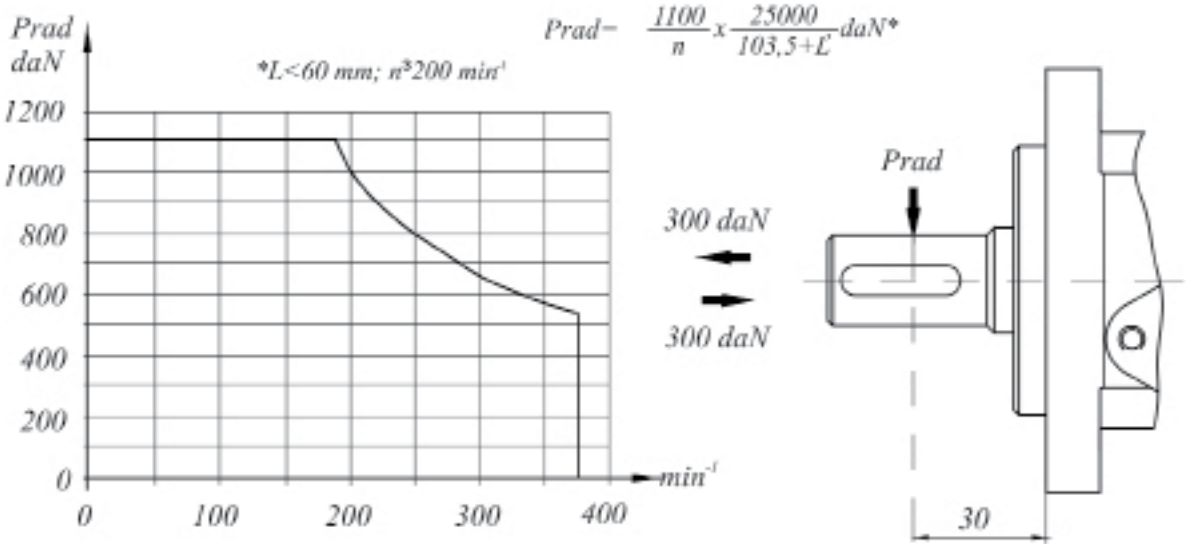
CPMH 400 (406.4 cm3/U)									
Presiune / pressure (bar)							Max. cont.	Max. Int.	
							35	60	
Debitul de ulei / Oil flow (l/min)	5	19.6	34.8	51.6					daNm
		13	13	10					RPM
	10	20.5	36.3	54.6	70.2	85.9			
		22	21	21	17	11			
	20	20.9	36.6	54.3	70.8	87.4	98.8		
		50	49	46	41	36	31		
	30	20.1	35.7	54.2	70.6	86.4	98.4		
		73	72	70	63	56	51		
	40	19.5	34.6	53.2	70.1	85.8	97.3		
		99	98	96	86	77	71		
Max. cont.	50	17.3	33.2	51.8	68.7	84.8	95.8		
		123	122	118	107	97	90		
	60	15.4	31.9	50.1	66.8	83.3	94.4		
		146	144	141	128	115	106		
	70	13.8	30.5	48.0	64.9	81.4	92.5		
		174	173	169	156	141			
	75	12.8	29.4	46.6	63.7	80.2	91.1		
		183	181	177	163	149	138		
	80	11.3	27.7	45.1	62.1	78.6	89.9		
		192	191	188	174	158			
Max. int.		9.0	25.6	43.3	59.5	76.7	88.1		
		220	220	215	202	183	165		

CPMH 500 (500 cm³/U)

		Presiune / pressure (bar)						daNm RPM
		25	50	85	100	125	160	
Debitul de ulei / Oil flow (l/min)	5	16.5 11	31.7 11	51.6 8				
	10	17.8 20	33.5 19	55.5 17	66.9 15	79.1 13	96.9 9	
	20	17.7 42	33.1 42	55.9 41	67.3 38	79.9 36	98.8 29	
	30	17.2 64	32.0 63	55.3 61	66.3 57	79.2 53	98.3 47	
	40	16.3 85	30.9 85	54.1 83	65.4 79	78.3 75	97.1 67	
	50	14.6 103	29.6 103	52.3 103	63.5 97	76.8 93	95.4 85	
	60	12.1 124	27.5 124	50.2 123	61.4 117	74.7 113	93.4 103	
	70	9.7 148	25.6 148	48.2 148	59.7 140	72.9 134	91.7 122	
	75	7.9 155	24.0 155	46.9 155	58.2 152	71.4 144	90.2 130	
	80	6.0 166	22.6 166	45.3 166	57.0 159	70.1 153	88.4 139	
Max. cont.								
Max. int.	90	3.4 166	20.1 165	42.1 164	55.0 157	67.3 156	86.9 155	

**Sarcina arborelui
Shaft Load**

Graficul indica rezistenta arborelui cand L=30mm
The drawing shows the permissible shaft load when L=30mm.

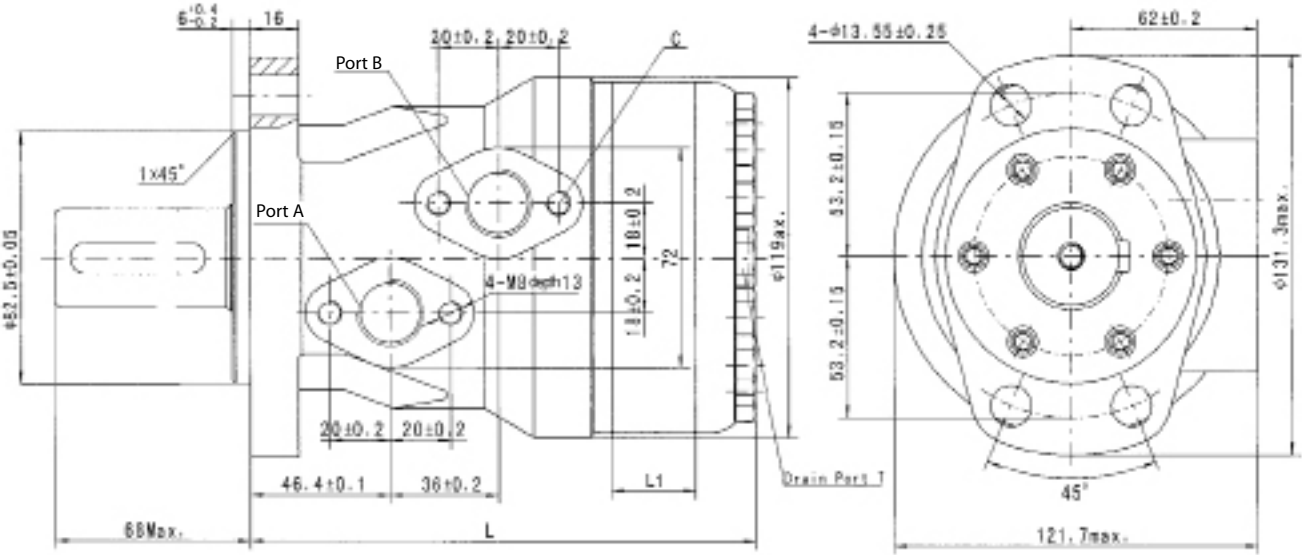


Sarcina radiala admisa pe arbore se calculează de la L distanța dintre punctul de aplicare al forței și suprafața de montare:
The permissible radial shaft load is calculated from the distance L between the point load application and the mounting surface:

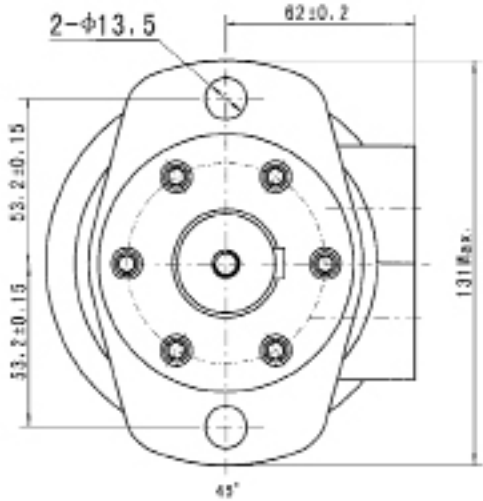
Dimensiuni

Conexiuni / Porting

Versiunea **G M U P**



A-Flansa ovala / Oval Mount SAE A (2-Orificii / 2 holes)

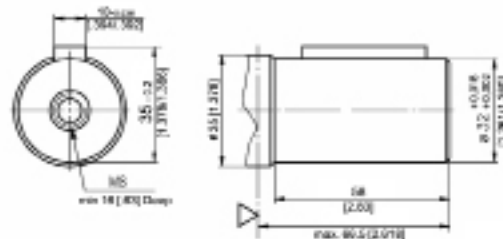


Conexiune/ Port	Versiuni / Versions			
	Lipsa/ Omit	M	U	P
P(A,B)	G 1/2"	2 x M22 x 1,5	7/8-14 O-Ring	2 x 1/2 NPTF
T	G 1/4"	M14	7/16-20UNF	7/16-20UNF
C	4 x M8	4 x M8	5/16-18 UNC	5/16-18 UNC

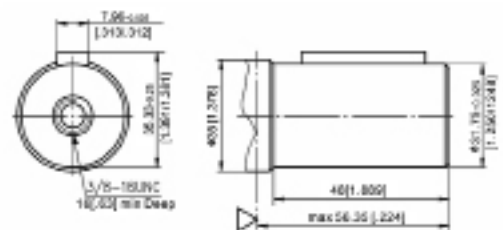
Tipul/ Type	L	L ₁
CPMH 200	168	27
CPMH 250	175	34
CPMH 315	184	42
CPMH 400	195	54
CPMH 500	206	65

Arbori de iesire

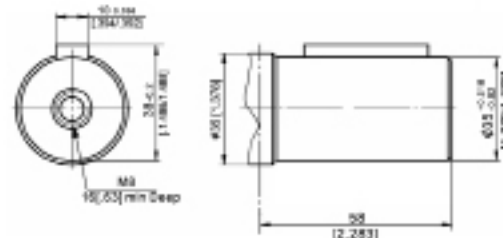
C - Cil. Φ 32 mm pana dreaptă, paralelă A10 x 8 x 45. Max. cuplu: 77 daNm / Φ 32 mm straight, parallel key A10 x 8 x 45. Max. torque: 77 daNm



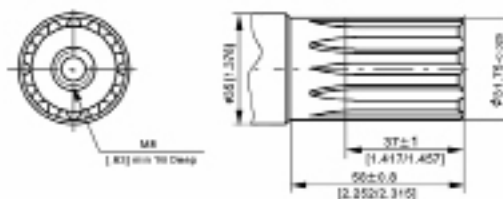
CO - Cil. Φ 31,75 mm (1 1/4") pana dreaptă, paralelă 5/16" x 5/16" x 1 1/4". Max. cuplu: 77 daNm / Φ 31,75 mm (1 1/4") straight, parallel key 5/16" x 5/16" x 1 1/4". Max. torque: 77 daNm



CB - Cil. Φ 35mm pana dreapta, paralelă A10 x 8 x 45. Max. cuplu: 95 daNm / Φ 35mm straight, parallel key A10 x 8 x 45. Max. torque: 95 daNm

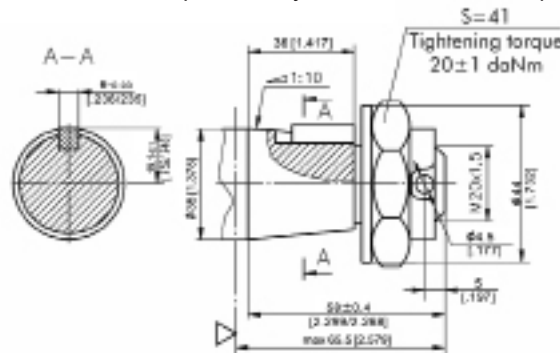


S - Cil. Φ 31,75 (1 1/4") 14T canelate, DP 12/24. Max. cuplu: 95 daNm / Φ 31,75 (1 1/4") splined, 14T, DP 12/24. Max. torque: 95 daNm

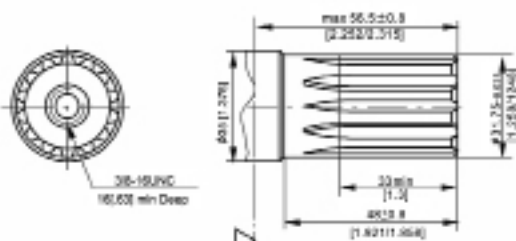


Output shafts

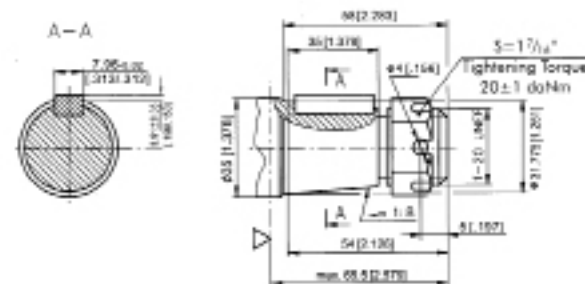
K - conic 1:10, tasta paralel B6 x 6 x 20. Max. cuplu: 95 daNm / conical 1:10, parallel key B6 x 6 x 20. Max. torque: 95 daNm



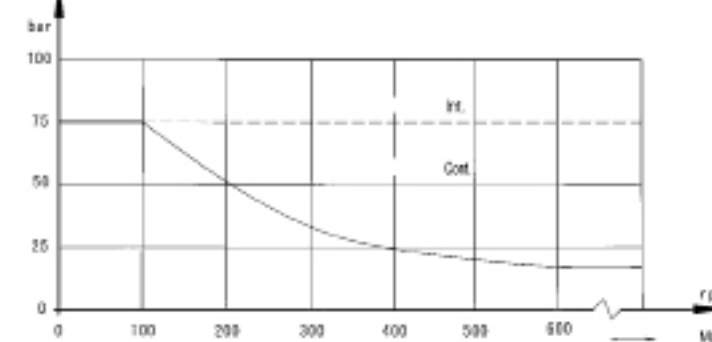
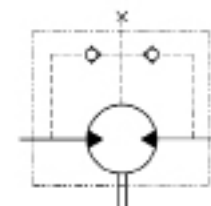
SH - canelate, (SAE 6B). Max. cuplu: 77 daNm/ splined, (SAE 6B). Max. torque: 77 daNm



KA - conic 1:08, SAE J 501, tasta paralel 5/16" x 5/16" x 1 1/4". Max. cuplu: 77 daNm / conical 1:8, SAE J 501, parallel key 5/16" x 5/16" x 1 1/4". Max. torque: 77 daNm



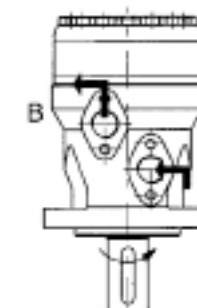
Presiunea maxima de revenire fara linie de drenaj sau presiunea maxima în conducta de drenare
Max. return pressure without drain line or max. pressure in drain line



Selectarea sensului de rotatie Rotation selection

Direcția de rotație standard:
Sensul acelor de ceasornic atunci când port "A" se află sub presiune.
Contra sensului acelor de ceasornic atunci când portul "B" se află sub presiune.

Standard direction of rotation:
Clockwise when port „A” is pressurized.
Counter-Clockwise when port „B” is pressurized.



Informatii pentru comanda

	1	2	3	4	5	6
CPMH						

Pos. 1 Flansa de montaj / Mounting flange

Fara / Empty Flansa magneto (4 orificii) / Magneto flange (4-hole)

A Flansa ovala (2 orificii) / Oval mount 2 holes

Pos. 2 Volum / Displacement

200	200 cm ³ /U / 200 ccm/REV
250	250 cm ³ /U / 250 ccm/REV
315	315 cm ³ /U / 315 ccm/REV
400	400 cm ³ /U / 400 ccm/REV
500	500 cm ³ /U / 500 ccm/REV

Pos. 3 Extensii ale arborelui / Shaft extensions

C Cil. Φ 32 mm , cu pana paralela A10 x 8 x 45
 Φ 32 mm straight, parallel key A10 x 8 x 45.

CO Cil. Φ 31,75 mm (1 1/4") cu pana paralela 5/16" x 5/16" x 1 1/4"
 Φ 31,75 mm (1 1/4") straight, parallel key 5/16" x 5/16" x 1 1/4".

Order Information

CB Cil. Φ 35 mm drept, cheie paralela A10 x 8 x 45
Cyl. Φ 35 mm straight, parallel key A10 x 8 x 45.

S Cil. Φ 31,75 mm (1 1/4") canelata, 14T, DP 12/24,
 Φ 31,75 mm (1 1/4") splined, 14T, DP 12/24.

K conic 1:10 cheie paralela B6 x 6 x 20.
conical 1:10, parallel key B6 x 6 x 20.

SH canelata (SAE 6B) / splined, (SAE 6B)

KA conic 1:8, SAE J 501, cheie paralela 5/16" x 5/16" x 1 1/4"
conical 1:8, SAE J 501, parallel key 5/16" x 5/16" x 1 1/4".

Pos. 4 Orificii / Porting

Fara/Empty 2 x G 1/2", 1 x G 1/4" /

M 2 x M18 x 1,5, 1 x M10 x 1 /

U 2 x 7/8-14 UNF, O-Ring, 1 x 7/16-20 UNF

Pos. 5 Vopsea / Painting

Fara / Empty Gri /Grey

RAL... + Culoare Ral (exemplu 7021) /
+ Ral colour (e.g. 7021)

Pos. 6 Sens rotatie / Rotation direction

Leer / Omit Rotatie standard / Standard Rotation

R Rotatie reversibila / Reverse Rotation

Motorul hidraulic CPMS

Hidromotoare tip gerotor cu supape cu sertare

Cuplu redus de pornire si eficienta sporita

Optimizat pentru spatii reduse

Supapa de control interna

Utilizare fara linie de drenaj

Garnituri pentru presiune mare standard



CPMS Hydraulic Motor

- Disk valve type with geroler
- Low starting torque and high efficiency
- Optimized for small spaces
- Internal check valve
- Usage without drain line possible
- Tapered roller bearing for high radial load

Tipul / Type		CPMS 80	CPMS 100	CPMS 125	CPMS 160	CPMS 200	CPMS 250	CPMS 315	CPMS 400
Capacitate Displacement [cm ³ /REV]		80,6	100.8	125	154	194	243	311	397
Viteza Maxima Max. speed [RPM]	Continuu/Cont.	800	748	600	470	375	300	240	187
	Int. (1)	988	900	720	560	450	360	280	230
Cuplu max. / Max. Torque [daNm]	Continuu/Cont.	19	24	31	31.6	40	45	56	58
	Int. (1)	24	30	37	43	46.6	54	65.8	69
	Varf / Peak (2)	26	32	40	47.2	65	69	74	85
Puterea max. / Max. Output Power [kW]	Continuu / Cont.	15.9	18.8	19.5	15.6	15.7	14.1	14.1	10
	Int. (1)	20.1	23.5	23.2	21.2	18.3	17	18.9	13
Caderea maxima de Presiune Max. Pressure drop [bar]	Continuu/Cont.	175	175	175	150	140	125	120	100
	Int. (1)	210	210	210	210	160	160	140	120
	Varf / Peak (2)	225	225	225	225	225	200	185	140
Debitul max. de ulei / Max. oil flow [l/min]	Continuu / Cont.	65	75	75	75	75	75	75	75
	Int. (1)	80	90	90	90	90	90	90	90
Presiunea max. de intrare / Max. Input Pressure [bar]	Continuu/Cont.	250	250	250	250	250	250	250	250
	Int. (1)	300	300	300	300	300	300	300	300
Masa / Weight [kg]		9.8	10	10.3	10.7	11.1	11.6	12.3	13.2

(1) Evaluarea funcționării intermitente se aplică la 6 sec. din fiecare minut

(2) Evaluarea de vârf se aplică la 0,6 sec din fiecare minut

(1) Intermittend operation rating applies to 6 sec. of every minute

(2) Peak load rating applies to 0.6 sec of every minute

Caracteristici

CPMS 80 (80.6 cm³/U)

Presiune / pressure (bar)		Max. cont.						Max. Int.	
		35	70	105	140	175	210	225	
15	Debitul de ulei / Oil flow (l/min)	3.5	8.0	12.0	15.8	19.5	23.5	24.9	daNm
	RPM	180	174	168	164	158	151	143	
30	Debitul de ulei / Oil flow (l/min)	3.5	8.0	12.0	15.8	19.5	24.0	26.0	
	RPM	362	352	346	338	330	322	310	
40	Debitul de ulei / Oil flow (l/min)	3.5	7.9	11.9	15.5	19.3	23.4	25.0	
	RPM	482	473	464	453	444	434	415	
50	Debitul de ulei / Oil flow (l/min)	3.0	7.7	11.7	15.3	19.2	23.2	24.8	
	RPM	602	594	587	569	560	551	522	
60	Debitul de ulei / Oil flow (l/min)	2.8	7.7	11.7	15.3	19.2	23.2	24.7	
	RPM	724	713	707	683	673	664	629	
65	Debitul de ulei / Oil flow (l/min)	2.5	7.5	11.4	15.2	19.0	23.0	24.5	
	RPM	790	785	770	760	742	720	704	
80	Debitul de ulei / Oil flow (l/min)	2.2	7.0	11.0	14.0	17.0	20.0	22.0	
	RPM	980	965	950	920	891	860	830	

Performance data

CPMS 100 (100.8 cm³/U)

Presiune / pressure (bar)		Max. cont.						Max. Int.	
		35	70	105	140	175	210	225	
15	Debitul de ulei / Oil flow (l/min)	4.8	9.5	15.0	20.0	25.0	28.9	31.0	daNm
	RPM	146	144	139	135	130	120	105	
30	Debitul de ulei / Oil flow (l/min)	4.5	9.4	14.6	19.8	25.0	29.5	31.7	
	RPM	291	289	278	274	269	258	242	
40	Debitul de ulei / Oil flow (l/min)	4.3	8.9	14.2	19.6	24.8	29.3	31.6	
	RPM	387	384	374	359	350	335	320	
50	Debitul de ulei / Oil flow (l/min)	4.0	8.8	13.5	19.4	24.7	29.2	31.5	
	RPM	486	483	473	462	450	430	420	
60	Debitul de ulei / Oil flow (l/min)	3.7	8.8	13.2	18.5	24.4	28.9	31.2	
	RPM	588	584	574	562	550	538	520	
75	Debitul de ulei / Oil flow (l/min)	3.5	8.0	13.0	18.0	24.0	28.6	31.0	
	RPM	740	735	720	705	696	676	653	
90	Debitul de ulei / Oil flow (l/min)	3.0	7.5	12.4	17.0	23.6	27.7	30.3	
	RPM	850	840	810	787	770	750	747	

CPMS 125 (125 cm³/U)

Presiune / pressure (bar)		Max. cont.						Max. Int.	
		35	70	105	140	175	210	225	
15	Debitul de ulei / Oil flow (l/min)	5.5	12.0	17.6	24.5	30.9	34.9	37.5	daNm
	RPM	112	110	103	96	93	90	84	
30	Debitul de ulei / Oil flow (l/min)	5.5	12.0	17.5	25.0	32.4	37.5	40.8	
	RPM	222	220	217	208	200	199	190	
40	Debitul de ulei / Oil flow (l/min)	5.5	12.0	17.5	25.0	32.4	37.0	40.8	
	RPM	302	298	292	284	276	268	260	
50	Debitul de ulei / Oil flow (l/min)	5.0	11.5	17.6	24.8	32.0	37.0	40.6	
	RPM	379	373	368	363	350	339	328	
60	Debitul de ulei / Oil flow (l/min)	4.5	11.3	17.1	24.5	32.4	36.8	40.6	
	RPM	456	448	443	439	425	406	393	
65	Debitul de ulei / Oil flow (l/min)	4.5	11.0	16.7	24.0	31.4	37.0	40.1	
	RPM	570	563	555	546	533	515	503	
80	Debitul de ulei / Oil flow (l/min)	4.0	10.5	16.2	23.7	30.9	36.5	39.8	
	RPM	685	676	670	659	644	625	610	

CPMS 160 (157.2 cm³/U)

Presiune / pressure (bar)		Max. cont.						Max. Int.	
		35	70	105	140	175	210	225	
15	Debitul de ulei / Oil flow (l/min)	7.0	14.0	20.5	30.5	37.1	43.0	47.3	daNm
	RPM	91	88	84	78	76	74	58	
30	Debitul de ulei / Oil flow (l/min)	7.5	15.0	21.4	32.1	38.0	42.7	49.0	
	RPM	185	182	176	168	164	162	152	
40	Debitul de ulei / Oil flow (l/min)	7.0	15.0	21.5	32.0	37.8	42.5	48.8	
	RPM	248	244	239	229	224	217	204	
50	Debitul de ulei / Oil flow (l/min)	6.5	14.5	21.5	31.6	37.8	42.5	48.2	
	RPM	312	308	304	294	288	280	270	
60	Debitul de ulei / Oil flow (l/min)	6.5	14.5	21.4	31.5	37.5	42.4	48.2	
	RPM	375	371	365	357	346	336	323	
75	Debitul de ulei / Oil flow (l/min)	6.0	13.8	20.8	31.1	37.5	42.0		
	RPM	470	465	458	447	436	426		
90	Debitul de ulei / Oil flow (l/min)	5.6	13.0	20.0	30.8	37.0	41.4		
	RPM	564	559	551	541	526	517		

Caracteristici

CPMS 200 (200 cm3/U)

Presiune / pressure (bar)		Max. cont. Max. Int.						daNm RPM
		35	70	105	140	175	225	
Debitul de ulei / Oil flow (l/min)	15	8.9	19.0	29.5	40.0	48.4	60.8	
		73	71	68	64	60	52	
30		8.7	19.0	29.4	39.9	48.5	60.0	
		148	146	143	140	135	127	
40		8.6	18.8	29.2	39.7	48.3	59.4	
		193	191	189	186	181	172	
50		8.0	18.4	29.0	39.5	48.0	59.0	
		247	245	243	240	235	226	
Max. cont.	60	7.4	17.8	28.6	39.0	47.5	58.2	
		298	295	293	290	284	273	
75		5.8	16.0	27.5	37.5	46.0	57.0	
		372	369	365	362	358	346	
Max. int.	90	4.9	14.8	26.0	35.5	44.5	55.5	
		440	435	430	422	411	401	

Performance data

CPMS 250 (252 cm3/U)

Presiune / pressure (bar)		Max. cont. Max. Int.						daNm RPM
		35	70	105	140	175	225	
Debitul de ulei / Oil flow (l/min)	15	11.7	23.0	35.5	45.0	55.4	65.2	
		58	55	52	51	47	46	
30		11.7	22.5	35.0	44.6	56.0	65.7	
		118	117	112	109	107	106	
40		11.5	22.5	34.8	44.2	55.2	65.0	
		160	156	152	150	146	142	
50		11.0	22.0	34.5	43.8	54.6	64.5	
		202	200	198	196	195	192	
Max. cont.	60	10.5	22.0	34.0	43.5	54.2	64.2	
		242	239	237	234	231	229	
75		9.5	21.5	33.8	43.0	53.7	63.8	
		300	296	293	286	282	278	
Max. int.	90	9.0	20.5	33.2	42.0	53.0	63.2	
		360	354	348	340	332	326	

CPMS 315 (314.5 cm3/U)

Presiune / pressure (bar)		Max. cont. Max. Int.						daNm RPM
		35	70	105	140	140	185	
Debitul de ulei / Oil flow (l/min)	15	16.0	32.0	46.5	55.5	65.0	74.8	
		48	47	45	43	40	38	
30		16.5	32.2	46.8	56.0	65.8	75.2	
		94	92	90	89	86	85	
40		16.0	31.0	45.7	54.6	64.2	74.1	
		125	123	120	118	116	115	
50		15.5	30.5	45.0	53.8	63.7	73.6	
		158	156	153	150	147	145	
Max. cont.	60	15.2	30.2	44.2	53.2	63.2	73.2	
		175	174	170	164	162	159	
65		14.5	29.5	43.6	52.5	62.8	72.6	
		236	234	230	227	225	222	
Max. int.	80	13.2	28.0	43.0	52.0	62.2	72.3	
		285	282	280	276	273	270	

CPMS 400 (400 cm3/U)

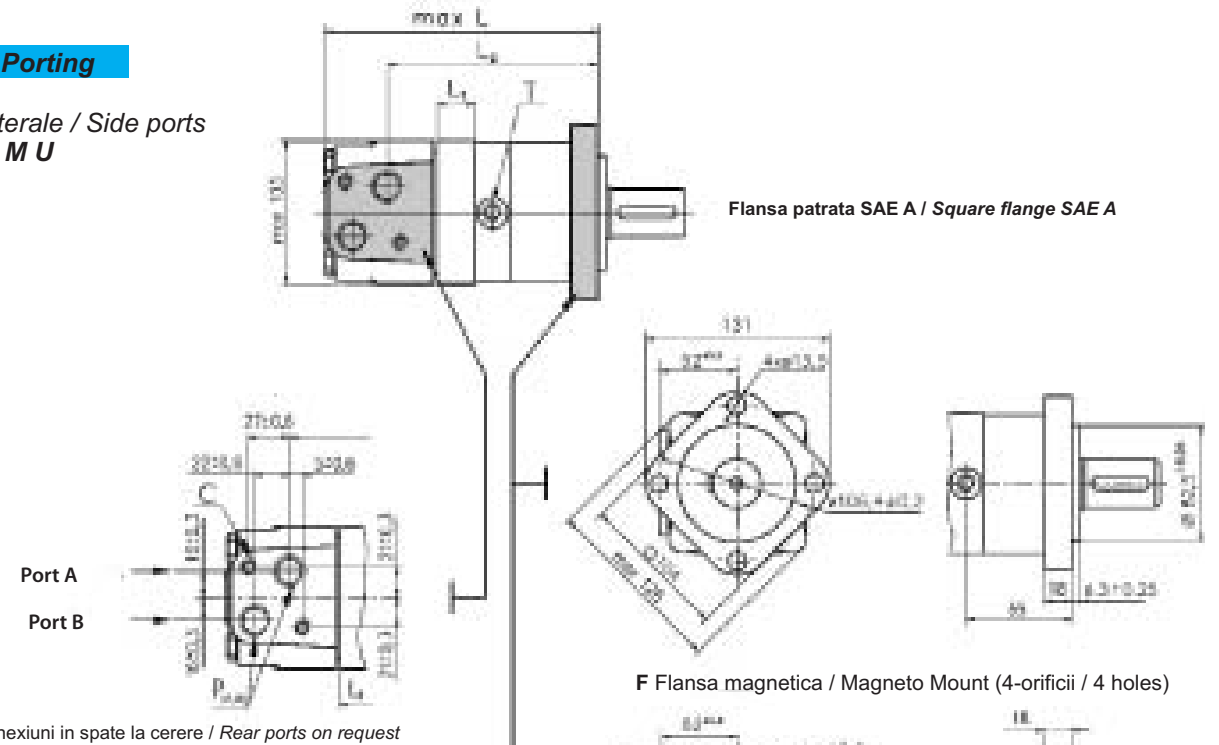
Presiune / pressure (bar)		Max. cont. Max. Int.						daNm RPM
		35	70	90	100	120	140	
Debitul de ulei / Oil flow (l/min)	15	18.5	36.2	47.4	51.2	58.8	66.0	
		40	39	38	37	35	33	
30		18.4	36.4	47.5	51.4	59.0	66.1	
		80	78	77	76	74	72	
40		18.0	36.2	47.3	51.3	58.8	65.9	
		106	104	103	102	100	97	
50		16.0	36.0	47.2	51.1	58.6	65.8	
		133	131	130	129	128	125	
60		15.0	35.9	47.1	51.0	58.5	65.7	
		157	156	155	154	152	150	
Max. cont.	75	13.0	35.3	46.5	50.4	58.4	65.1	
		200	198	196	195	194	193	
Max. int.	90	10.5	35.0	46.2	50.0	58.0	64.7	
		238	235	234	232	230	227	

Dimensiuni

Dimensions

Conexiuni / Porting

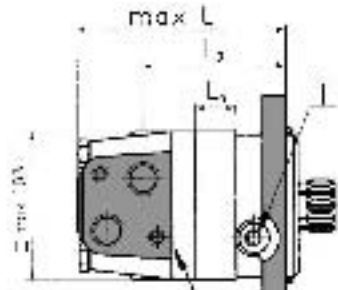
Conexiuni laterale / Side ports
Versiunea G M U



Dimensiuni

Conexiuni / Porting

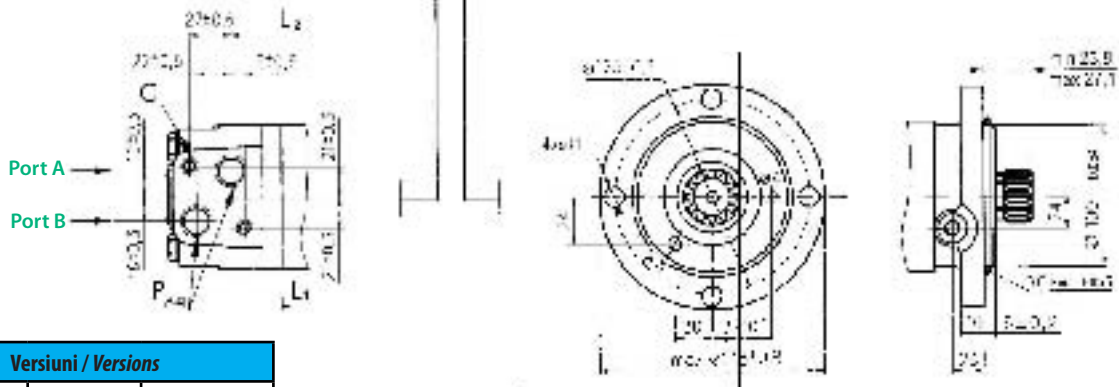
Conexiuni laterale / Side ports
Version **G M U**



Dimensions

Tip / Type	L	L2	L1
CPMSS 80	130	86	13
CPMSS 100	134	90	17
CPMSS 125	139	95	22
CPMSS 160	144.5	100.5	27.5
CPMSS 200	152	108	35.1
CPMSS 250	164	120	47
CPMSS 315	176	132	59
CPMSS 400	188	144	71

S Montaj rapid / Short Mount

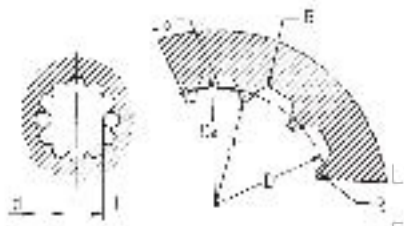


Conexiune / Port	Versiuni / Versions		
	Lipsa/ Omit	M	U
P(A,B)	G 1/2"	M22 x 1,5	7/8-14 O-Ring
T	G 1/4"	M14 x 1,5	7/16-20 UNF
C	2 x M10	2 x M10	5/16-18 UNC

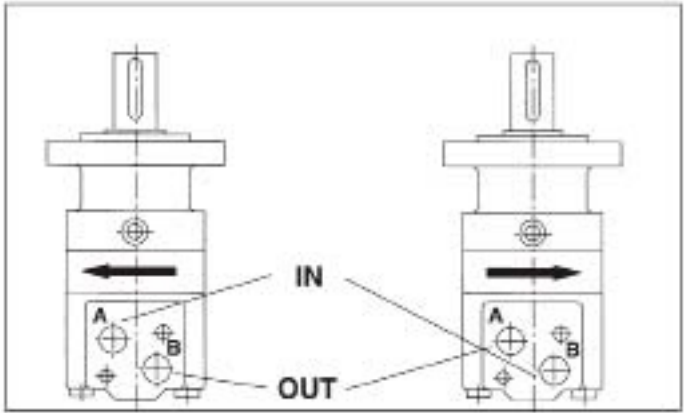
Tehnic/ Technical

Motorul CPMS nu are arbori de ieșire sau rulmenți și este proiectat pentru o montare directă într-o cutie de viteze sau de frână. Arborele cardanic al motorului descrie o mișcare de rotație. Din acest motiv motorul în sine nu poate fi echipat cu un simmering. Cutia de viteze trebuie să a fie echipată cu o etansare. De asemenea, este necesar ca uleiul scurs de la motorului sa unga arborele cardanic. / The short motor CPMS has no output shafts or bearings and is designed for a direct mounting into a gearbox or brake. The cardan shaft of the motor describes a tumbling motion. For this reason the motor itself can't be fitted with a shaft seal. The gear box must be fitted with a sealing. It is also necessary that the leakage of the motor lubricates the cardan shaft.

Unelte de geometrie/ Fillet Root Side Fit		mm
Numarul de dinti/ Number of theeth	z	12
Panta/ Diametral Pitch	DP	12/24
Unghiul presiunii/ Press. angle	α_D	30°
Diametrul nominal/ Pitch Dia.	D	25.4
Diametrul maxim/ Major Dia.	D_{fi}	28.0 ^{+0.1}
Diametrul minim/ Minor Dia.	D_i	23.0 ^{+0.033}
Distanța de la baza dintelui/ Space Width (Circular)	L_0	4.308±0.020



Duritate specificata / **Hardening Specification:**
HRC 62±2
Adancimea duritatii eficiente / **Effective case depth (HRC 52):**
0,7±0,2mm



Presiunea maxima de revenire, fără linie de drenaj sau presiunea maxima în conducta de drenare / **Max. return pressure without drain line or max. pressure in drain line**

Viteza de rotație/ RPM	Presiunea constanta/ Cont. pressure (bar)
0-100	75
100-300	50
300-810	20

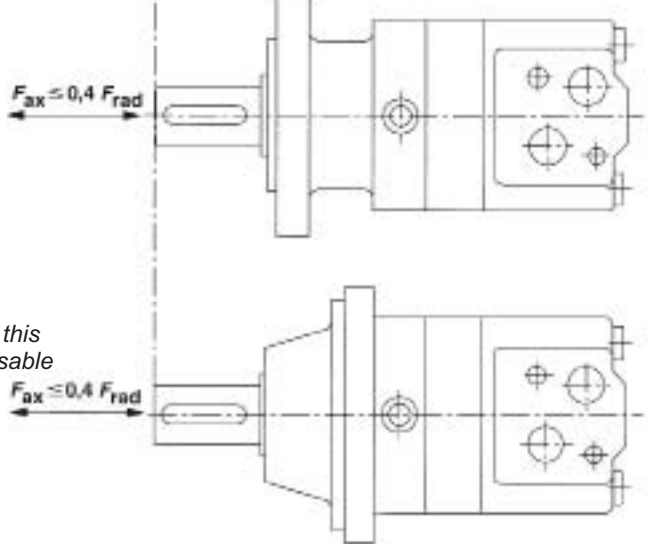
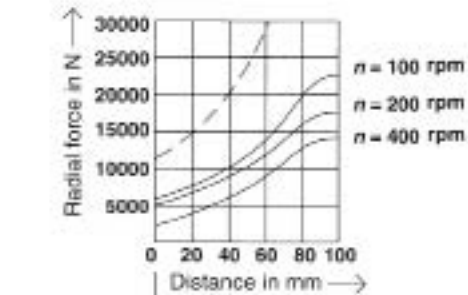
Presiunea maxima de retur pe linia de scurgere/ **Max. return pressure with drain line**

Continuu / <i>Continuous</i>	140 bar
Temporar / <i>Intermitent</i>	175 bar
Varf / <i>Peak</i>	210 bar

Sarcina arborelui Shaft Load



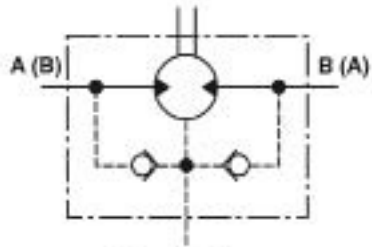
Rulmentul cu role conice de pe arborele de ieșire poate accepta un nivel ridicat de sarcini axiale și radiale pentru motoarele CPMT. Curba rupta arată încărcare radiala maxima admisa. Sarcinile de mai sus și dincolo de aceasta nivel poate duce la rupere. Curba indica o durata de viata teoretica de 3000 de ore de la 200 rpm. The tapered roller bearings on the output shaft can accept high levels of axial and radial load for CPMT motors. The broken curve shows the maximum permissible radial load. Loads above and beyond this level can lead to breakage. The solid curve plots the permissible radial loads for a theoretical service life of 3000 hours at 200 RPM.



Selectarea sistemului de rotație

Rotation selection

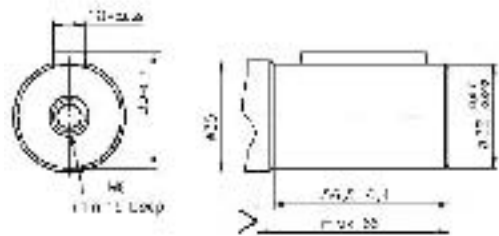
Motorul CPMT este construit cu supape în interior. Din acest motiv, el a presiunea asupra etanșării arborelui nu este niciodată mai mare decât presiunea fluxului din spate. Presiunea motorului CPMTS este determinată pe baza datelor tehnice ale cutiei de viteze atașate. / The CPMT motor has built-in check valves. For this reason, the pressure on the shaft seal is never greater than back flow pressure. In the short motor CPMTS pressure is determined based on the technical data of the attached gear box.



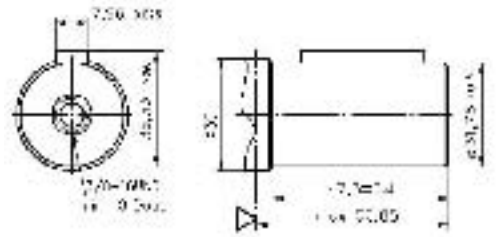
Linia de drenare

Arbori de iesire

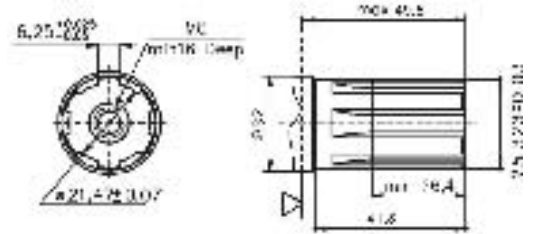
C - Φ 32 mm, pana dreaptă, paralelă A10 x 8 x 45 Cuplu maxim: 77 da.Nm / Φ 32 mm straight, parallel key A10 x 8 x 45. Max. torque: 77 daNm



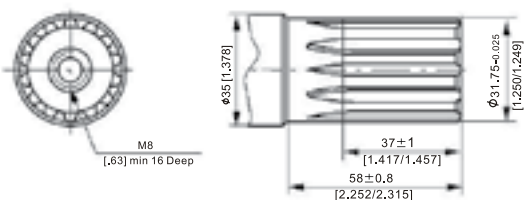
CO - Cil. Φ 31,75 mm (1 1/4") este cilindric cu pana dreaptă, paralela 5/16" x 5/16" x 1 1/4" BS46. Cuplu max.: 77 daNm / Φ 31,75 mm (1 1/4") straight, parallel key 5/16" x 5/16" x 1 1/4" BS46. Max. torque: 77 daNm



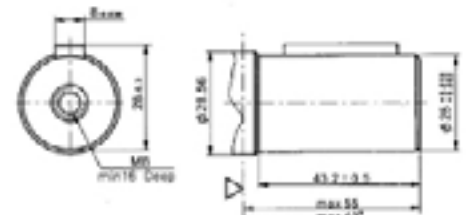
S - canelate, (SAE 6B). Cuplu maxim: 34 da.Nm / splined, (SAE 6B). Max. torque: 34 daNm



SH - Φ 31.75 mm (1 1/4 ") canelate, 14T, DP 12/24. Cuplu maxim: 95 da.Nm / Φ 31,75 mm (1 1/4") splined, 14T, DP 12/24. Max. torque: 95 daNm

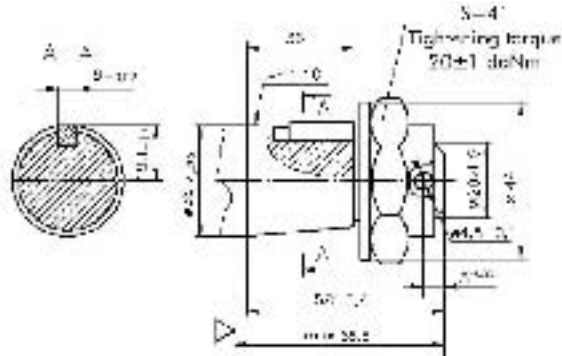


C25 - Cil Φ 25mm pana dreapta, paralela A8 x 7 x 32 Cuplu maxim: 34 da.Nm / Φ 25mm straight, parallel key A8 x 7 x 32. Max. torque: 34 daNm

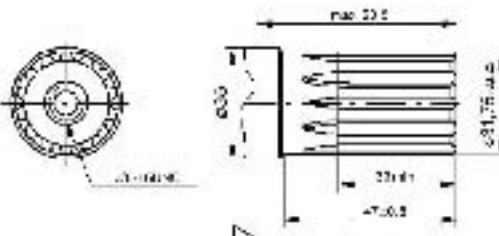


Output shafts

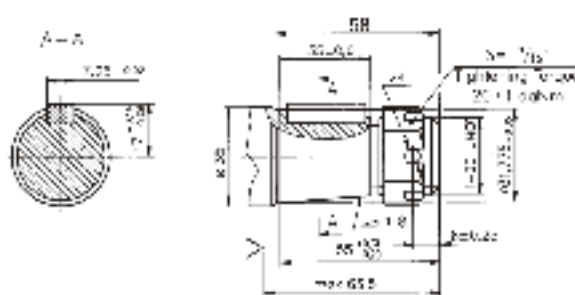
K - Conica. 1:10 pana paralela B6 x 6 x 20 Cuplu maxim: 95 da.Nm / conical 1:10, parallel key B6 x 6 x 20. Max. torque: 95 daNm



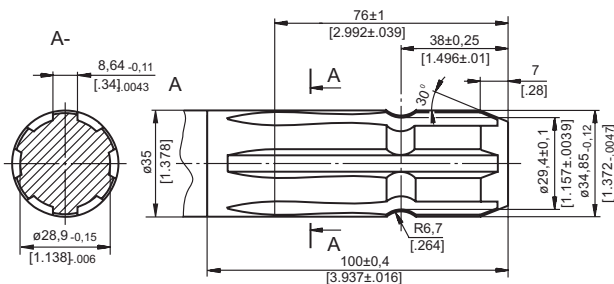
SB - Φ 1 1/4" canelate, 14T, ANSI B92.1-1976. Cuplu maxim: 77 da.Nm / Φ 1 1/4" splined, 14T, ANSI B92.1-1976. Max. torque: 77 daNm



KA - Conica. 1:8, SAE J 501, cu pana paralela 5/16" x 5/16" x 1 1/4". Cuplu maxim: 77 da.Nm / conical 1:8, SAE J 501, parallel key 5/16" x 5/16" x 1 1/4". Max. torque: 77 daNm



SL - Φ 31.75, DIN 9611 P.T.O Form1. Cuplu maxim: 77 da.Nm / Φ 31,75, P.T.O DIN 9611 Form1. Max. torque: 77 daNm



Informatii privind comanda

	1	2	3	4	5	6	7
CPMS							

Pos. 1 Flansa de montaj / Mounting flange

Lipsa / Empty Flansa patrata 4 orif, SAE A / Square flange 4-holes SAE A

- F Flansa Magneto 4 orif. / Magneto mount 4 holes
- A Flansa ovala 2 orif SAE A / Oval flange 2 holes SAE A
- Q Flansa patrata, 4 orif / Square flange 4 holes
- W Flansa rotii / Wheel mount
- S Montaj rapid / Short mount

Pos. 2 Tipul orificiului / Port type

Lipsa / Empty Porturi laterale / Side ports

- E Orificii in spate (la cerere) / Rear ports (on requests)

Pos.3 Volum / Displacement

- 80 80 cm³/U / 80 ccm/REV
- 100 100 cm³/U / 100 ccm/REV
- 125 125 cm³/U / 125 ccm/REV
- 160 160 cm³/U / 160 ccm/REV
- 200 200 cm³/U / 200 ccm/REV
- 250 250 cm³/U / 250 ccm/REV
- 315 315 cm³/U / 315 ccm/REV
- 400 400 cm³/U / 400 ccm/REV

Pos. 4 Arbori de iesire / Shaft extensions

- C Φ 32 mm, pana dreaptă, paralelă A10 x 8 x 45
 Φ 32 mm straight, parallel key A10 x 8 x 45.
- CO Φ 31,75 mm (1 1/4") cilindric cu pana dreapta paralela 5/16" x 5/16" x 1 1/4"
 Φ 31,75 mm (1 1/4") straight, parallel key 5/16" x 5/16" x 1 1/4"
- S canelata SAE 6B / splined SAE 6B

Order Information

- SH Φ 31.75 mm (1 1/4 ") canelate, 14T, DP 12/24
 Φ 31,75 mm (1 1/4") splined, 14T, DP 12/24.
- C25 Φ 25mm pana dreapta, paralela A8 x 7 x 32
 Φ 25 mm cylindrical parallel key A8 x 7 x 32
- K Conica 1:10 cu pana B6 x 6 x 20 /
Conical 1:10 with key B6 x 6 x 20
- SB Canelata 14, DP 12/24 /
Splined, 14 T, DP 12/24
- KA Conica 1:8 SAE, J501 cu pana 5/16" x 5/16" x 1 1/4"
Conical 1:8 SAE, J501 with key 5/16" x 5/16" x 1 1/4"
- SL Φ 34,75 mm P.T.O. DIN 9611 Form 1
 Φ 34,75 mm P.T.O. DIN 9611 Form 1

Pos. 5 Orificii / Porting

Lipsa / Empty G 1/2"

- M Metrisch / Metric
- U 7/8 -14 UNF, O-Ring / 7/8-UNF, O-ring
- P 1/2-14 NPTF / 1/2-14 NPTF

Pos. 6 Culoare/ Painting

Lipsa / Empty Gri / Grey

RAL... + culoare RAL (de exemplu 7021) / + Ral colour (e.g. 7021)

Pos. 7 Sensul de rotatie / Rotation direction

- Rotatie standard / Standard Rotation
- R Rotatie reversibila / Reverse Rotation

Motorul hidraulic CPMSY

CPMSY Hydraulic Motor

Versiune armata

Supapa gerotor

Cuplu redus de pornire si
eficienta sporita

Optimizat pentru spatii
reduse

Supapa de control interna

Utilizare fara linie de drenaj

Rulment cu role conice cu sarcina
mare



- Reinforced version
- Disk valve type with geroler
- Low starting torque and high efficiency
- Designed for higher pressure
- Internal check valve
- Usage without drain line possible
- Tapered roller bearing for high radial load

Tipul / Type		CPMSY	CPMSY	CPMSY	CPMSY	CPMSY	CPMSY	CPMSY	CPMSY	CPMSY
		80	100	125	160	200	250	315	400	475
Capacitate/ Displacement [cm3/REV]		80.6	100.8	125	154	194	243	311	394	475
Viteza max. / Max. Speed [RPM]	Continuu / Cont.	800	748	600	470	375	300	240	185	155
	Int. (1)	988	900	720	560	450	360	280	225	185
Cuplu max. / Max. Torque [daNm]	Continuu / Cont.	22.5	29	36.5	48.5	58.6	70.8	88	88	91
	Int. (1)	25	32	40	54	64.5	80.6	96	96	96
Puterea max. / Max. Output Power [kW]	Continuu / Cont.	16	18	18	18.1	18.1	18	17	11	9
	Int. (1)	20	22	23	25	24	23.8	20.2	12	11
Presiunea max. de scadere / Max. Pressure drop [bar]	Continuu/Cont.	205	205	205	210	210	200	200	160	140
	Int. (1)	225	225	225	225	225	225	225	175	150
	Varf / Peak (2)	295	295	295	225	225	225	225	200	175
Debitul max. de ulei / Max. oil flow [l/min]	Continuu / Cont.	65	75	75	75	75	75	75	75	75
	Int. (1)	80	90	90	90	90	90	90	90	90
Presiunea max. de intrare / Max. Input Pressure [bar]	Continuu / Cont.	250	250	250	250	250	250	250	250	250
	Int. (1)	300	300	300	300	300	300	300	300	300
Masa Weight [kg]		9.8	10	10.3	10.7	11.1	11.6	12.3	13.2	14.3

(1) Evaluarea funcționării intermitente se aplică la 6 sec. din fiecare minut (1) Intermittend operation rating applies to 6 sec. of every minute
(2) Evaluarea de vârf se aplică la 0,6 sec din fiecare minut (2) Peak load rating applies to 0.6 sec of every minute

Caracteristici

Performance data

CPMSY 80 (80,6 cm3/U)									
Presiune / pressure (bar)									
Max. cont. Max. Int.									
Debitul de ulei / Oil flow (l/min)		35	70	105	140	175	205	225	daNm RPM
	15	3,5	8,0	12,0	15,8	19,5	22,8	24,9	
		180	174	168	164	158	151	143	
	30	3,5	8,0	12,0	15,8	19,5	23,2	26,0	
		362	352	346	338	330	322	310	
	40	3,5	7,9	11,9	15,5	19,3	22,7	25,0	
		487	480	468	457	446	438	425	
	50	3,0	7,7	11,7	15,3	19,2	22,4	24,8	
		612	603	592	581	572	558	542	
	60	2,8	7,7	11,7	15,3	19,2	22,4	24,3	
	735	726	718	703	687	673	646		
Max. cont.	65	2,6	7,5	11,6	15,1	18,8	21,7	23,6	
		794	786	773	760	744	722	706	
Max. int.	80	2,4	7,2	10,9	14,2	17,6	20,6	22,7	
		981	968	955	925	893	870	832	

CPMSY 100 (100,8 cm3/U)									
Presiune / pressure (bar)									
		Max. cont. Max. Int.							
		35	70	105	140	175	205	225	
Debitul de ulei / Oil flow (l/min)	15	4,8	9,5	15,0	20,0	25,0	28,2	31,0	daNm RPM
		146	144	139	135	130	120	105	
	30	4,5	9,4	14,6	19,8	25,0	29,0	31,7	
		291	289	278	274	269	258	242	
	40	4,3	8,9	14,2	19,6	24,8	28,8	31,6	
		387	384	374	359	350	335	320	
	50	4,0	8,8	13,5	19,4	24,7	28,6	31,5	
		486	483	473	462	450	430	420	
	60	3,7	8,8	13,2	18,5	24,4	28,3	31,2	
		588	584	574	562	550	538	520	
Max. cont.	75	3,5	8,0	13,0	18,0	24,0	27,9	31,0	
		740	735	720	705	696	676	653	
Max. int.	90	3,0	7,5	12,4	17,0	23,6	27,1	30,3	
		850	840	810	787	770	750	747	

CPMSY 125 (125 cm3/U)									
Presiune / pressure (bar)							Max. cont.	Max. Int.	
		70	105	140	175	205	225		
Debitul de ulei / Oil flow (l/min)	15	5,5	12,0	17,6	24,5	30,9	34,5	37,5	daNm RPM
		115	113	110	104	98	90	84	
	30	5,5	12,0	17,5	25,0	31,5	36,4	40,4	
		23,1	22,8	22,3	21,4	20,2	18,8	17,2	
	40	5,3	11,8	17,8	28,05	31,5	36,4	40,3	
		312	309	290	289	278	262	235	
	50	5,0	11,5	17,6	24,8	31,5	36,2	39,7	
		391	386	378	365	352	339	308	
	60	4,5	11,3	17,1	24,1	30,8	35,8	39,7	
		469	461	450	437	425	400	372	
75	4,5	11,0	16,7	24,0	30,6	35,2	38,9		
	588	574	560	544	526	505	481		
90	4,0	10,5	16,2	23,7	30,1	34,3	37,8		
	710	696	680	661	646	628	610		

Caracteristici

Performance data

Caracteristici

Performance data

CPMSY 160 (154 cm3/U)									
Presiune / pressure (bar)								Max. cont.	Max. Int.
								35	70
Debitul de ulei / Oil flow (l/min)	15	7,0	14,2	21,5	29,8	37,2	43,5	47,6	daNm
		93	91	89	85	80	76	58	
RPM	30	7,3	15,1	22,5	31,2	38,2	45,6	49,2	
		189	187	181	176	170	162	153	
	40	7,5	15,2	22,8	31,4	38,3	45,4	48,8	
		252	250	246	239	234	228	212	
	50	7,0	14,8	22,5	30,5	37,2	44,5	48,0	
		313	310	306	298	293	285	272	
	60	6,8	14,3	21,8	29,6	37,0	44,2	48,0	
		378	376	370	362	353	346	332	
Max. cont.	75	6,2	14,0	21,1	29,1	36,5	43,9	47,5	
		475	469	461	450	441	432	414	
Max. int.	90	5,9	13,1	20,2	28,6	35,7	42,5	46,0	
		567	561	554	543	532	520	509	

CPMSY 200 (194 cm3/U)									
Presiune / pressure (bar)								Max. cont.	Max. Int.
								35	70
Debitul de ulei / Oil flow (l/min)	15	8,7	17,9	27,3	37,1	47,1	56,2	61,0	daNm
		74	73	71	68	64	60	48	
RPM	30	9,1	19,0	28,8	38,6	48,9	57,2	61,8	
		150	148	143	140	134	128	119	
	40	9,4	19,3	29,6	39,4	49,8	58,4	64,5	
		198	195	192	188	183	178	167	
	50	9,0	19,1	29,2	38,9	49,3	58,0	63,4	
		248	246	241	236	230	223	212	
	60	8,5	18,5	27,9	38,2	48,3	57,5	62,2	
		300	295	288	281	273	263	251	
Max. cont.	75	7,8	17,6	27,1	37,0	47,2	56,1	61,0	
		374	370	364	360	352	340	331	
Max. int.	90	6,8	16,3	26,5	36,1	45,6	54,5	59,9	
		443	440	435	428	424	413	400	

CPMSY 315 (311 cm3/U)									
Presiune / pressure (bar)								Max. cont.	Max. Int.
								35	70
Debitul de ulei / Oil flow (l/min)	15	14,8	30,4	45,6	61,3	76,2	87,9	97,8	daNm
		48	47	45	43	41	39	27	
RPM	30	15,5	31,4	46,5	63,5	77,8	88,4	98,8	
		95	93	91	89	86	82	67	
	40	16,0	32,1	47,9	65,0	76,6	90,6	99,7	
		127	125	121	117	115	109	91	
	50	15,5	31,4	46,5	63,8	78,0	88,6	98,8	
		159	157	153	149	145	142	128	
	60	15,1	30,6	45,3	62,0	76,5	88,6	97,6	
		187	185	181	176	169	157	143	
Max. cont.	75	14,6	30,0	44,5	61,3	75,5	87,5	96,6	
		238	236	232	227	224	220	196	
Max. int.	90	13,5	28,4	43,6	60,1	74,0	86,3	95,2	
		286	283	278	272	265	257	232	

CPMSY 400 (394 cm3/U)								
Presiune / pressure (bar)					Max. cont.	Max. Int.		
Debitul de ulei / Oil flow (l/min)		35	70	105	140	160	175	daNm RPM
	15	18,6	37,9	57,8	77,9	89,6	98,6	
		37	36	35	33	31	29	
	30	19,0	38,8	59,0	79,1	90,5	99,1	
		75	73	71	68	65	61	
	40	19,5	39,4	59,6	79,7	91,2	99,8	
		99	97	95	93	90	85	
	50	19,1	38,8	58,7	78,5	90,4	98,3	
		125	123	118	114	109	102	
	60	18,6	38,8	58,7	78,5	90,4	98,3	
	149	146	142	137	131	122		
Max. cont.	75	18,1	37,2	57,6	77,0	89,1	97,3	
		187	183	177	171	164	153	
Max. int.	90	17,6	36,7	57,1	76,6	88,3	96,5	
		226	221	214	208	199	183	

CPMSY 250 (243 cm3/U)									
Presiune / pressure (bar)								Max. cont.	Max. Int.
								35	70
Debitul de ulei / Oil flow (l/min)	15	11,0	23,1	35,1	46,2	58,5	68,1	77,8	daNm
		59	58	56	53	50	46	35	
RPM	30	11,6	23,6	35,9	47,5	59,7	70,0	79,0	
		119	117	114	108	102	92	80	
	40	11,8	24,1	36,3	48,0	59,9	70,6	79,6	
		162	159	156	150	143	134	121	
	50	11,1	23,4	35,2	47,2	59,1	69,3	78,8	
		203	201	197	191	182	173	158	
	60	10,6	22,4	34,5	46,2	58,2	68,5	77,2	
		244	242	237	230	220	208	194	
Max. cont.	75	10,1	21,4	34,0	45,4	57,0	67,0	76,0	
		303	299	294	285	272	260	244	
Max. int.	90	9,3	20,9	33,5	44,7	55,9	65,7	74,9	
		363	359	354	348	340	328	303	

CPMSY 475 (475 cm3/U)							
Presiune / pressure (bar)					Max. cont.	Max. Int.	
		35	70	105	140	150	
Debitul de ulei / Oil flow (l/min)	15	21,8	43,9	66,1	89,2	99,5	daNm RPM
		30	29	28	27	25	
	30	22,3	45,0	67,6	91,0	100,2	
		61	60	58	56	53	
	40	22,8	46,1	68,9	92,7	101,7	
		82	80	77	74	68	
	50	22,4	45,6	68,2	92,0	100,8	
		103	101	97	92	86	
	60	22,0	45,1	67,7	91,3	99,8	
		123	121	118	112	105	
Max. cont.	75	21,2	44,3	66,4	90,1	98,0	
		155	153	147	140	132	
Max. int.	90	19,6	42,1	64,3	87,7	95,9	
		186	184	178	170	157	

Motorul hidraulic CPMT

CPMT Hydraulic Motor

Hidromotor tip gerotor cu supape disc

Cuplu redus de pornire si eficienta sporita

Optimizat pentru spatii reduce

Supapa de control interna

Utilizare fara linie de drenaj

Rulment cu role conice pentru sarcina radiala mare



- Disk valve type with geroler
- Low starting torque and high efficiency
- Optimized for small spaces
- Internal check valve
- Usage without drain line possible
- Tapered roller bearing for high radial load

Tipul / Type		CPMT	CPMT	CPMT	CPMT	CPMT	CPMT	CPMT	CPMT
		160	200	250	315	400	500	630	800
Volum / Displacement [cm3/REV]		161.1	201.4	251.8	326.3	410.9	523.6	629.1	801.8
Viteza maxima / Max. speed [RPM]	Continuu / Cont.	625	625	500	380	305	240	196	154
	Int.(1)	780	750	600	460	365	285	233	185
Cuplu maxim / Max. Torque [daNm]	Continuu / Cont.	47	59	73	95	108	122	131.8	146.4
	Int.(1)	56	71	88	114	126	137	149.8	152
	Varf / Peak (2)	66.9	83.8	103.6	134.6	145	164.4	161.9	166.5
Puterea maxima / Max. Output Power [kW]	Continuu / Cont.	27.7	34.9	34.5	34.9	31.2	28.8	25.3	22.2
	Int.(1)	32	40	40	40	35	35	27.5	26.8
Presiunea maxima de scadere / Max. Pressure Drop [bar]	Continuu / Cont.	200	200	200	200	180	160	140	125
	Int.(1)	240	240	240	240	210	180	160	130
	Varf / Peak (2)	280	280	280	280	240	210	190	160
Debitul mxim de ulei / Max. Oil flow [l/min]	Continuu / Cont.	80	100	100	100	100	100	100	100
	Int.(1)	125	150	150	150	150	150	150	150
Presiunea maxima / Max. Input Pressure [bar]	Continuu / Cont.	210	210	210	210	210	210	210	210
	Int.(2)	300	300	300	300	300	300	300	300
Masa / Weight [kg]		19.5	20	20.5	21	22	23	24	25

(1) Evaluarea funcționării intermitente se aplică la 6 sec. din fiecare minut
(2) Evaluarea de vârf se aplică la 0,6 sec din fiecare minut

(1) Intermittend operation rating applies to 6 sec. of every minute
(2) Peak load rating applies to 0.6 sec of every minute

Caracteristici

Performance data

		CPMT160 (161.1 cm3/U)								
		Presiune / pressure (bar)								
									Max. cont.	Max. Int.
		40	80	100	120	160	200	240		
Debitul de ulei / Oil flow (l/min)	10	8.8	17.6	22.8	27.5	36.1	44.7	53.5	daNm	RPM
		60	59	58	56	54	50	44		
20		8.9	18.1	23.4	27.7	37.2	45.9	55.7		
		121	120	117	114	109	103	95		
40		9.1	18.0	23.5	27.7	38.1	47.1	57.3		
		249	246	243	236	230	223	212		
60		8.2	17.8	23.5	27.7	38.1	47.1	57.3		
		371	367	362	356	349	340	330		
80		7.8	17.3	22.9	27.6	37.9	46.6	56.7		
		492	489	485	478	470	462	447		
100		7.0	16.0	21.8	26.9	37.0	45.5	55.8		
		614	611	606	598	590	582	570		
125		5.8	14.8	21.1	26.1	35.9	44.8	55.2		
		770	764	758	750	741	731	715		

		CPMT 200 (201.4 cm3/U)								
		Presiune / pressure (bar)								
									Max. cont.	Max. Int.
		40	80	100	120	160	200	240		
Debitul de ulei / Oil flow (l/min)	10	12.4	23.3	28.9	34.0	45.4	56.0	66.9	daNm	RPM
		47	46	45	42	39	37	33		
20		12.5	23.9	29.8	34.7	46.8	57.6	69.6		
		95	94	92	90	87	84	75		
40		12.0	24.1	29.6	35.2	47.5	58.9	71.6		
		195	193	191	187	183	178	167		
60		11.6	23.7	29.5	35.2	47.8	58.9	71.8		
		297	295	292	287	282	276	263		
80		10.8	23.1	28.9	35.0	47.4	58.6	71.6		
		395	393	389	384	377	370	359		
100		9.9	22.7	28.6	34.4	47.1	58.0	71.2		
		493	490	486	482	475	467	460		
125		8.4	20.8	27.6	33.3	45.9	56.6	69.7		
		615	611	607	602	595	588	572		
150		7.0	19.4	26.0	32.4	44.7	55.4	68.2		
		743	740	735	727	717	706	682		

		CPMT 250 (251.8 cm3/U)								
		Presiune / pressure (bar)								
									Max. cont.	Max. Int.
		40	80	100	120	160	200	240		
Debitul de ulei / Oil flow (l/min)	10	13.8	28.6	35.5	41.9	55.9	68.9	82.4	daNm	RPM
		38	38	37	36	34	32	31		
20		14.3	29.6	36.4	43.2	58.0	70.8	85.3		
		76	75	74	72	70	67	62		
40		13.9	30.1	37.2	44.0	59.3	72.3	88.4		
		156	154	152	149	146	142	134		
60		13.2	29.4	37.2	44.1	59.2	72.7	88.8		
		237	236	233	229	224	219	207		
80		12.8	28.3	36.4	43.3	58.7	72.1	88.7		
		317	316	314	308	303	299	284		
100		12.6	28.2	35.5	42.7	58.2	71.6	87.9		
		396	394	391	387	381	373	359		
125		11.6	26.0	34.0	41.4	56.8	70.3	86.4		
		495	492	488	483	476	469	454		
150		8.8	24.2	32.0	39.7	55.2	68.6	84.7		
		592	589	585	580	572	565	545		

		CPMT 315 (326.3 cm3/U)								
		Presiune / pressure (bar)								
									Max. cont.	Max. Int.
		40	80	100	120	160	200	240		
Debitul de ulei / Oil flow (l/min)	10	18.4	36.3	45.3	54.5	73.4	89.1	106.2	daNm	RPM
		30	29	28	27	26	25	23		
20		18.9	38.0	47.2	56.2	75.7	91.7	110.9		
		60	59	58	56	54	52	50		
40		19.1	38.1	48.4	57.0	77.4	95.4	114.9		
		121	120	118	115	112	109	104		
60		18.9	37.6	49.3	57.3	77.2	96.2	115.4		
		183	181	179	175	172	168	158		
80		17.9	36.9	47.9	56.5	76.8	95.4	115.3		
		244	242	239	236	231	227	217		
100		16.9	35.7	46.7	56.2	75.8	94.2	114.3		
		305	304	301	298	294	289	276		
125		14.7	33.6	44.7	54.4	74.5	92.0	112.7		
		380	378	375	371	367	362	349		
150		11.9	31.8	43.2	52.6	71.3	89.4	109.7		
		458	456	453	449	444	431	425		

Caracteristici

CPMT 400 (410.9 cm ³ /U)		Presiune / pressure (bar)							Max. cont. Max. Int.	
Debitul de ulei / Oil flow (l/min)		30	60	90	105	120	140	160	daNm	RPM
		17.6	36.7	56.0	71.5	88.5	105.0	120.9		
10		24	23	22	21	20	19	18		
20		17.9	37.0	56.5	72.6	89.9	107.1	123.6		
		49	48	47	44	42	40	38		
40		17.6	37.0	56.7	73.3	91.9	109.1	126.3		
		96	95	93	90	87	83	79		
60		17.4	36.1	56.3	72.9	92.0	109.5	126.9		
		145	143	139	135	131	127	121		
80		16.6	35.3	55.3	71.9	91.2	108.4	126.3		
		193	191	188	184	180	176	170		
100		15.0	33.9	53.8	70.8	89.6	106.7	125.2		
		242	240	238	234	228	224	218		
Max. cont.	125	13.5	30.9	52.4	68.8	87.3	104.5	122.1		
		302	300	298	294	289	285	278		
Max. int.	150	12.6	29.2	50.8	66.6	85.2	102.0	119.7		
		364	362	358	354	350	346	339		

CPMT 630 (629.1 cm ³ /U)		Presiune / pressure (bar)							Max. cont. Max. Int.	
Debitul de ulei / Oil flow (l/min)		30	60	90	105	120	140	160	daNm	RPM
		23.3	52.0	79.5	90.2	107.4	119.4	136.3		
10		14	14	13	13	13	11	11		
20		23.7	55.4	83.7	95.3	111.7	123.9	140.7		
		28	27	27	26	26	24	22		
40		23.9	55.3	86.0	98.7	117.1	130.8	148.3		
		62	62	61	60	59	56	54		
60		22.3	54.4	86.3	97.8	117.2	131.8	149.8		
		94	94	92	91	90	86	82		
80		22.0	53.7	85.4	96.5	117.2	131.4	149.7		
		123	122	121	119	118	114	110		
100		20.8	52.2	83.2	94.5	115.6	130.3	148.8		
		156	155	153	152	150	147	142		
Max. cont.	125	20.1	49.9	81.0	93.1	113.7	129.2	147.2		
		196	196	194	192	191	187	183		
Max. int.	150	17.4	49.2	78.5	92.1	112.1	127.7	145.4		
		233	232	231	230	227	223	217		

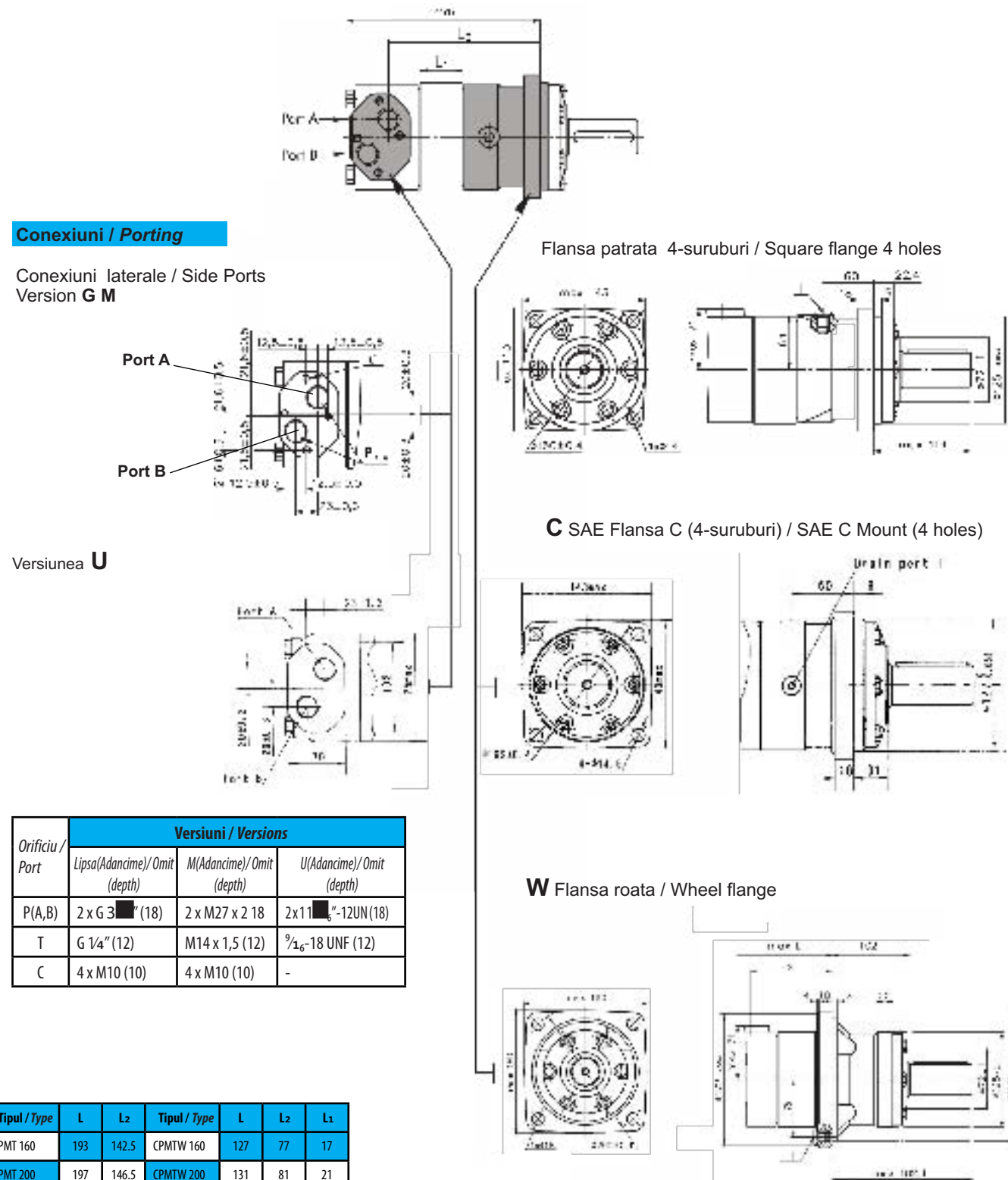
Performance data

CPMT 500 (523.6 cm ³ /U)		Presiune / pressure (bar)							Max. cont. Max. Int.	
Debitul de ulei / Oil flow (l/min)		30	60	90	120	140	160	180	daNm	RPM
		22,2	45,1	69,2	89,2	105,0	119,3	134,0		
10		18	18	18	17	16	15	13		
20		23,1	46,4	71,4	91,8	107,0	122,0	137,7		
		37	36	35	34	33	32	30		
40		23,0	46,6	72,7	94,1	109,4	124,4	142,2		
		75	74	73	72	70	68	64		
60		22,5	45,7	71,4	94,1	108,8	124,5	140,9		
		113	112	111	109	107	105	101		
80		21,3	43,1	69,6	92,7	107,6	124,4	140,1		
		151	150	149	147	145	143	138		
100		19,4	42,0	68,0	90,1	106,3	122,4	138,3		
		189	188	187	185	183	181	177		
Max. cont.	125	18,2	39,8	64,1	87,7	102,4	119,9	135,2		
		237	236	235	233	231	229	225		
Max. int.	150	14,7	36,9	61,8	85,3	100,4	116,7	132,5		
		284	283	282	280	278	276	272		

CPMT 800 (801.8 cm ³ /U)		Presiune / pressure (bar)							Max. cont. Max. Int.	
Debitul de ulei / Oil flow (l/min)		30	60	90	105	125	130		daNm	RPM
		34.6	67.7	100.3	115.9	136.5	139.0			
10		12	12	11	11	11	10			
20		35.6	69.2	103.4	118.3	140.4	145.8			
		24	24	24	23	22	18			
40		36.5	70.3	106.6	123.6	145.9	151.6			
		50	50	49	48	46	40			
60		35.4	70.3	106.0	123.7	146.4	152.0			
		74	73	71	71	68	63			
80		33.2	68.6	105.0	122.6	146.4	151.4			
		99	98	98	96	93	86			
100		30.5	65.4	102.5	120.7	144.5	150.6			
		125	123	123	121	118	110			
Max. cont.	125	28.0	62.2	98.9	118.1	142.2	148.7			
		154	153	153	150	149	140			
Max. int.	150	24.7	59.0	95.3	115.6	140.6	147.6			
		185	184	183	181	179	172			

Dimensiuni

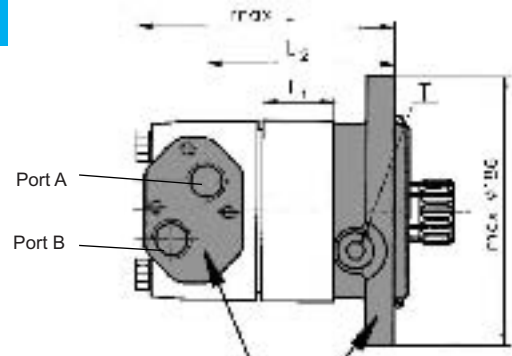
Dimensions



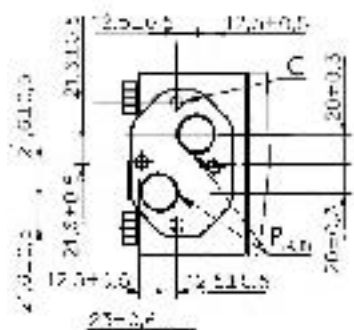
Important:
Va rugăm sa retineti ca motoarele cu dimensiunea CPMT160 și CPMT200 nu se pot modifica cu alte dimensiuni (CPMT250-800), deoarece piesele interne sunt diferite.
Important:
Please note that motors with size CPMT160 and CPMT200 are not modifyable with other motor sizes (CPMT250-800), because some internal parts are different.

Dimensiuni

Conexiuni / Porting



Conexiuni laterale / Side Ports
Version **G M U**



Orificiu Port	Versiuni/ Versions		
	Lipsa(Adancime)/ Omit (depth)	M(Adancime)/ Omit (depth)	U(Adancime)/ Omit (depth)
P(A,B)	2 x G 3/4 (18)	2 x M27 x 2 (18)	2x1 1/16"-12UN(18)
T	G 1/4" (12)	M14 x 1,5 (12)	9/16 -18 UNF (12)
C	4 x M10 (10)	4 x M10 (10)	-

Tehnic/Technical

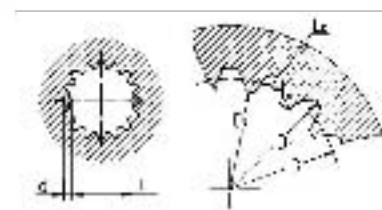
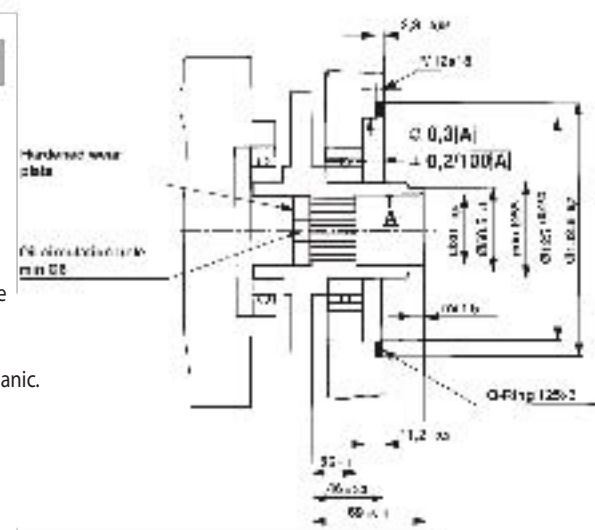
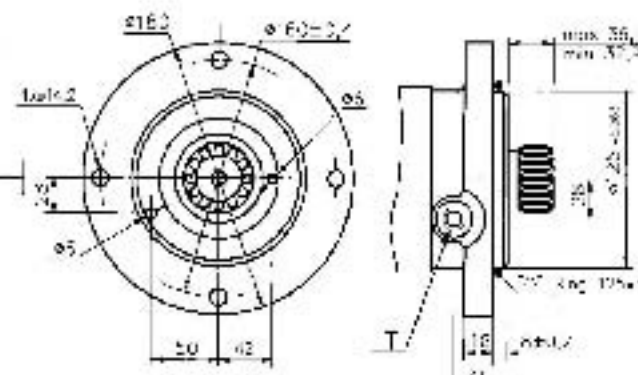
Motorul CPMTS nu are arbori sau rulmenți și este proiectat pentru o montare directă într-o cutie de viteze sau de frână. Arborele cardanic al motorului descrie o mișcare de rotație. Din acest motiv motorul în sine nu poate fi echipat cu un simmering. Cutia de viteze trebuie să fie echipată cu garnituri. De asemenea, este necesar ca prin scurgerea motorului să fie uns arborele cardanic. The short motor CPMTS has no output shafts or bearings and is designed for a direct mounting into a gearbox or brake. The cardan shaft of the motor describes a tumbling motion. For this reason the motor itself can't be fitted with a shaft seal. The gear box must be fitted with a sealing. It is also necessary that the leakage of the motor lubricates the cardan shaft.

Unelte de geometrie/ Fillet Root Side Fit		mm
Numarul de dinti/ Number of teeth	Z	16
Panta/ Diametral Pitch	DP	12/24
Unghiul presiunii/ Pressure angle	α_D	30°
Diametrul nominal/ Pitch Dia.	D	33.8656
Diametrul maxim/ Major Dia.	D_{fi}	38.40 ^{+0.4}
Diametrul minim/ Minor Dia.	D_i	32.15 ^{+0.04}
Distanța de la baza dintelui/ Space Width (Circular)	L_0	4.516±0.021

Dimensions

Tipul / Type	L	L ₂	L ₁
CPMTS 160	148	96.5	17
CPMTS 200	152	100.5	21
CPMTS 250	157	109	14
CPMTS 315	163	115	20
CPMTS 400	170	122	27
CPMTS 500	178	130	35
CPMTS 630	190	142	47
CPMTS 800	201	153	58

S Flansa scurta/ Short Mount

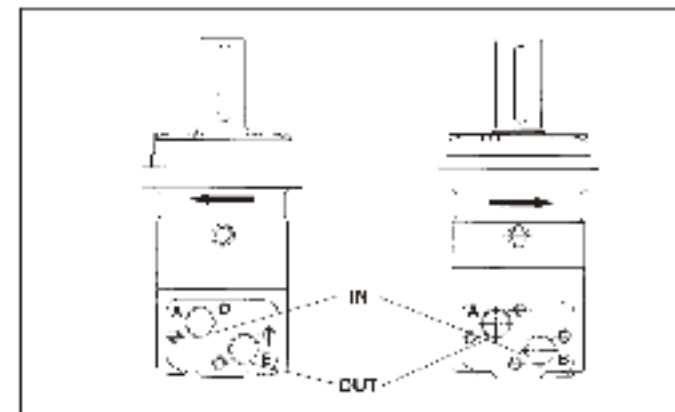


Duritate specificata / Hardening Specification:
HRC 62±2
Adancimea efectiva a carcasei / Effective case depth (HRC 52):
0,7±0,2mm

Selectarea sistemului de rotație Rotation selection

Motorul CPMT este construit cu supapele în interior. Din acest motiv, el a presiunea asupra etanșării arborelui nu este niciodată mai mare decât presiunea fluxului de spate. În scurt presiunea motorului CPMTS este determinată pe baza datelor tehnice ale cutiei de viteze atașate.

The CPMT motor has built-in check valves. For this reason, the pressure on the shaft seal is never greater than back flow pressure. In the short motor CPMTS pressure is determined based on the technical data of the attached gear box.



Presiunea maxima de revenire, fără linie de drenaj sau presiunea maxima în conducta de drenare / Max. return pressure without drain line or max. pressure in drain line

Viteza de rotație/ RPM	Presiunea constantă/ Cont. pressure (bar)
0-100	75
100-300	40
300-810	20

Presiunea maxima de retur pe linia de drenare/ Max. return pressure with drain line

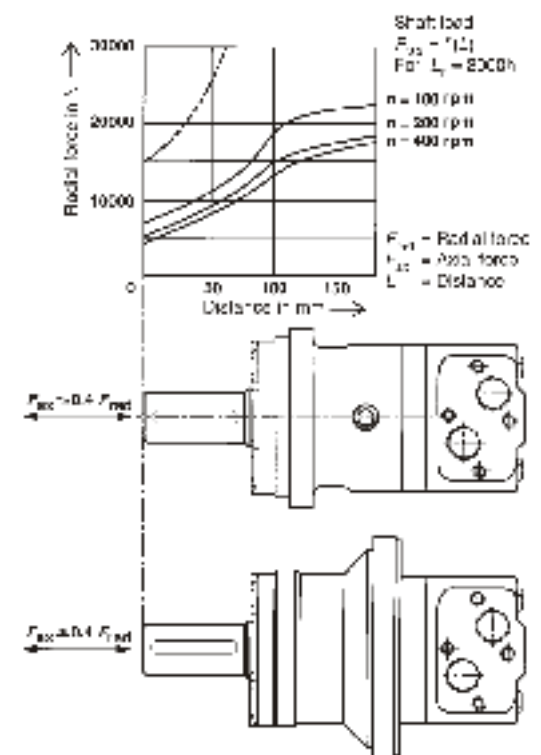
Continuu / Continuous	140 bar
Temporar / Intermitent	175 bar

Sarcina arborelui Shaft Load



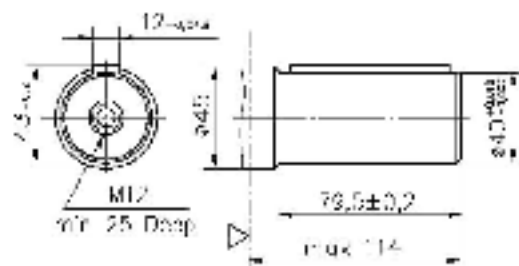
Rulmentul cu role conice de pe arbore poate accepta un nivel ridicat de sarcina axiale și radiale pentru motoarele CPMT. Curba ruptă arată încărcare radială maximă admisă. Sarcinile mai mari și dincolo de acest nivel pot duce la distrugerea motorului. Curba indică o durată de viață teoretică de 3000 de ore de la 200 rpm.

The tapered roller bearings on the output shaft can accept high levels of axial and radial load for CPMT motors. The broken curve shows the maximum permissible radial load. Loads above and beyond this level can lead to breakage. The solid curve plots the permissible radial loads for a theoretical service life of 3000 hours at 200 RPM.

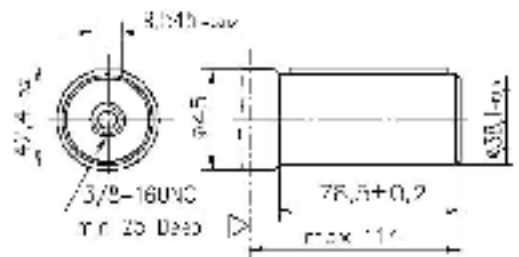


Arbori de iesire

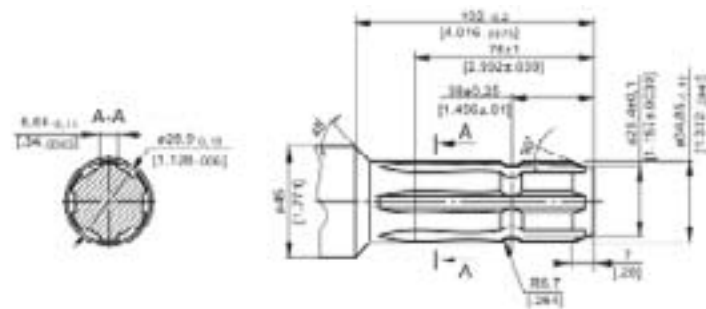
C - Cil $\Phi 40\text{mm}$ pana dreapta, paralela A12 x 8x 70 (DIN 6885).
cuplu maxim: 132.8 daNm / $\Phi 40\text{mm}$ straight, parallel key A12 x 8x 70
(DIN 6885). Max. torque: 132.8 daNm



CO - Cil Φ 38.1 mm (1 1/2") pana dreapta, paralela 3/8"x 3/8" x 2 1/4" BS46.
Cuplu maxim: 132.8 daNm / Φ 38.1 mm (1 1/2") straight, parallel
key 3/8" x 3/8" x 2." BS46. Max. torque: 132.8 daNm

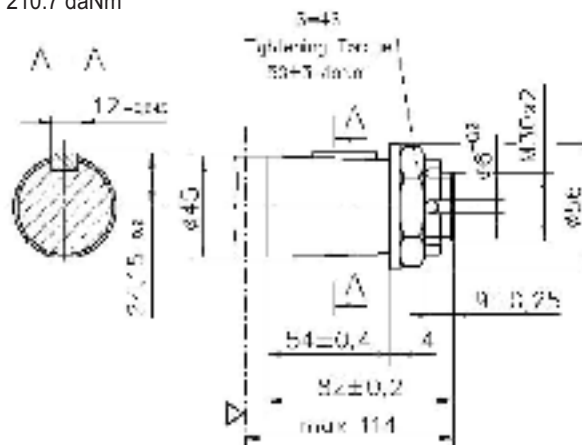


SL - Φ 34,85, P.T.O DIN 9611 Formularul 1. Max. cuplu: 77 daNm /
 Φ 34,85, P.T.O DIN 9611 Form 1. Max. torque: 77 daNm

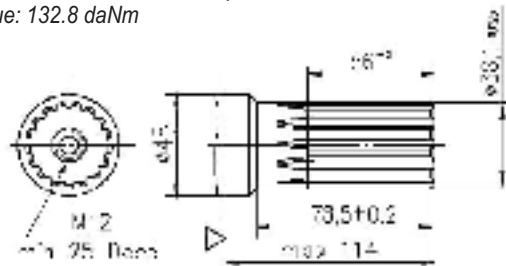


Output shafts

K - conic 1:10, tasta paralel B12 x 8 x 28 DIN 6885. Max.
cuplu: 210.7 daNm/ conical 1:10, parallel key B12 x 8 x 28 DIN 6885. Max.
torque: 210.7 daNm



SH - Φ 1 1/2 "canelate, 17T, DP 12/24, ANSI B92.1-1976.
 Max. cuplu: 132.8 daNm / Φ 1/2 " *splined*, 17T, DP 12/24, ANSI B92.1-1976.
 Max. torque: 132.8 daNm



Informatii privind comanda

	1	2	3	4	5	6	7
CPMT							

Pos. 1 Flansa de montare / Mounting flange

Lipsa / Omit Flansa patrata 4 orificii/ *Square flange 4-holes*

C SAE Flansa C 4 orificii / SAE C mount 4 holes

W Flansa rotii / *Wheel mount*

§ Flansa scurta / *Short mount*

Pos. 2 Volum / Displacement

160	160 cm3/U / 160 ccm/REV
200	200 cm3/U / 200 ccm/REV
250	250 cm3/U / 250 ccm/REV
315	315 cm3/U / 315 ccm/REV
400	400 cm3/U / 400 ccm/REV
500	500 cm3/U / 500 ccm/REV
630	630 cm3/U / 630 ccm/REV
800	800 cm3/U / 800 ccm/REV

Pos. 3 Prelungire a arborelui / *Shaft extensions*

C Cil. $\Phi 40$ mm pana dreapta, paralela A12 x 8 x 70
Cyl. $\Phi 40$ mm straight, parallel key A10 x 8x 45.

CO Cil. Φ 38.1 mm (1 1/2") pana dreapta, paralela 3/8" x 3/8" x 2 1/4" / Φ 38,1 mm (1 1/2") straight, parallel key 3/8" x 3/8" x 2 1/4"

SL Cil. Φ 34,85 mm P.T.O. DIN 9611 Form 1 /
 Φ 34,85 mm P.T.O. DIN 9611 Form 1

Order Information

K Conic 1:10 cu pana B12 x 8 x 28 /
Conical 1:10 with key B12 x 8 x 28

SH Diam. 1 1/2" canelata, 17 DP 12/24 /
Diam. 1 1/2" *splined*, 17T, DP 12/24.

Pos. 5 Orificii / Porting

Lipsa / Omit G 3/4" / G 3/4"

M Metrisch 2 x M27 x 2 / *Metric 2 x M27 x 2*

U 2 x 1 1/16"-12 UN, T: 9/16 - 18 UNF /
2 x 1 1/16"-12 UN, T: 9/16 - 18 UNF

Pos. 6 Vopsea/ Painting

Lipsa / Omit Gri/ Grey

RAL... + Vopsea tip Ral (ex. 7021) / + Ral colour (e.g. 7021)/

Pos. 7 Sensul de rotație / *Rotation direction*

Lipsa / Omit Rotatie standard / Standard Rotation

R Rotatie reversibila / *Reverse Rotation*

Motorul hidraulic CPMV

Hidromotor tip gerotor cu
supape disc

Cuplu redus de pornire si
eficienta mare

Supapa interna de control

Utilizare fara linie de scurgere
posibila

Rulment cu role conice pentru
sarcina radiala mare

Cuplu mare pentru aplicatii
complexe



CPMV Hydraulic Motor

Disk valve type with geroler

Low starting torque and high efficiency

Internal check valve

Usage without drain line possible

Tapered roller bearing for high
radial load

High torque for ambitious applications

Tipul / Type		CPMV 315	CPMV 400	CPMV 500	CPMV 630	CPMV 800	CPMV 1000
Volum / Displacement [cm ³ / REV]		333	419	518	666	801	990
Viteza Maxima Max. Speed [RPM]	Continuu / Cont.	510	500	400	320	250	200
	Int.(1)	630	600	480	380	300	240
Moment Maxim/ Maximal Torque [daNm]	Continuu / Cont.	920	1180	1460	1660	1880	2015
	Int.(1)	1110	1410	1760	1940	2110	2280
	Varf / Peak (2)	1290	1640	2050	2210	2470	2400
Puterea maxima/ Max. Output Power [kW]	Continuu / Cont.	38.0	47.0	47.0	40.0	33.0	28.0
	Int.(1)	46.0	56.0	56.0	56.0	44.0	40.0
Scaderea max. de presiune / Max. Pressure Drop [bar]	Continuu / Cont.	20	20	20	18	16	14
	Int.(1)	24	24	24	21	18	16
	Varf / Peak (2)	28	28	28	24	21	18
Debitul max. de ulei / Max. Oil flow [l/min]	Continuu / Cont.	160	200	200	200	200	200
	Int.(1)	200	240	240	240	240	240
Presiunea max. de intrare / Max. Input Pressure [bar]	Continuu / Cont.	210	210	210	210	210	210
	Int.(1)	250	250	250	250	250	250
	Varf / Peak (2)	300	300	300	300	300	300
Masa / Weight [kg]		31.8	32.6	33.5	34.9	36.5	38.6

(1) Evaluarea funcționării intermitente se aplică la 6 sec. din
fiecare minut

(2) Evaluarea de vârf se aplică la 0,6 sec din fiecare minut

(1) Intermittend operation rating applies to 6 sec. of every minute

(2) Peak load rating applies to 0.6 sec of every minute

Caracteristici

CPMV315 (333 cm³/U)

Presiune / pressure (bar)		Max. cont. Max. Int.						daNm RPM
		35	70	100	140	180	200	240
10		14.0	29.4	44.0	61.0	74.2	84.5	100.0
		26	24	23	22	20	17	14
20		15.3	31.4	46.6	63.6	78.7	89.5	107.0
		55	54	53	52	51	48	44
50		14.9	31.2	46.5	65.4	81.5	93.5	111.2
		145	144	142	140	137	133	127
75		14.3	30.4	45.8	64.2	81.6	94.0	111.9
		220	218	215	211	207	202	195
100		13.6	29.7	45.2	63.6	81.0	93.6	110.8
		294	292	290	287	283	278	270
125		12.3	28.6	44.2	62.6	79.9	92.1	109.3
		368	366	364	361	357	352	345
150		11.4	27.5	43.5	61.5	78.8	90.6	107.8
		445	443	441	437	430	422	410
160		10.7	26.8	43.0	60.8	78.0	89.5	107.0
		475	473	470	466	460	452	439
200		8.2	24.9	41.2	59.3	75.8	87.1	104.7
		596	594	590	584	576	565	544

Performance data

CPMV400 (419 cm³/U)

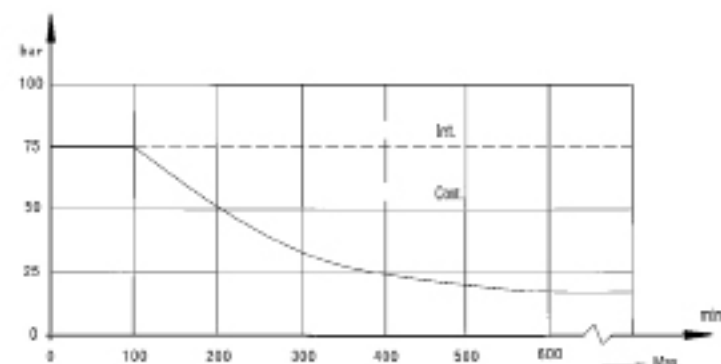
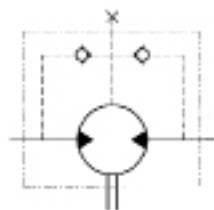
Presiune / pressure (bar)		Max. cont. Max. Int.						daNm RPM
		35	70	100	140	180	200	240
10		18.3	38.5	56.8	77.6	96.8	110.1	129.2
		20	20	19	18	17	16	14
20		19.6	39.8	59.0	81.5	101.0	115.2	134.6
		44	44	43	42	40	39	37
50		20.0	40.2	60.3	84.2	104.0	118.6	143.0
		114	113	113	112	110	108	103
75		19.5	39.4	59.6	83.8	104.3	118.8	143.2
		175	173	170	166	163	1579	152
100		17.2	38.5	59.3	82.7	103.6	118.4	142.5
		236	235	233	231	227	223	215
125		16.7	37.4	58.3	81.6	102.1	117.7	141.3
		296	294	291	288	282	275	268
150		15.8	36.1	55.9	80.1	100.8	116.5	139.0
		355	354	352	349	344	335	324
175		14.3	34.6	55.3	78.4	98.9	114.5	137.7
		416	414	411	407	403	396	388
200		11.8	33.1	53.6	77.0	96.9	112.8	135.6
		475	473	469	463	455	448	439
240		8.2	30.1	50.6	74.0	94.3	110.4	133.2
		571	569	565	548	539	530	520

CPMV500 (518 cm³/U)

Presiune / pressure (bar)		Max. cont. Max. Int.						daNm RPM
		35	70	100	140	180	200	240
10		24.2	46.8	69.6	95.9	119.0	135.3	160.7
		17	17	16	16	15	13	11
20		24.5	50.1	73.8	100.3	123.2	139.4	165.8
		36	35	35	34	33	32	29
50		24.0	50.0	75.8	102.5	127.0	144.9	174.3
		93	92	91	90	88	85	80
75		23.3	49.8	75.2	103.0	128.8	147.5	176.6
		140	139	137	135	132	127	120
100		22.8	49.1	74.8	102.6	128.9	147.2	176.0
		189,0	187,0	185,0	182,0	178,0	173,0	166
125		22.0	48.3	74.2	101.4	128.0	146.0	174.5
		237	236	234	231	227	223	216
150		20.1	46.5	72.3	100.8	125.0	142.9	173.6
		287	286	284	281	276	270	260
175		18.2	44.6	71.1	99.7	123.8	140.6	171.5
		335	334	332	329	325	320	310
200		16.1	42.3	67.6	97.4	121.8	138.5	169.7
		384	383	381	378	374	366	354
240		12.0	37.8	62.2	92.1	117.2	134.0	165.0
		461	459	457	454	450	444	432

Tipul /Type	L	L ₂	Tipul /Type	L	L ₂	L ₁
CPMV 315	217	161.5	CPMVW 315	148.5	93.5	20
CPMV 400	224	168.5	CPMVW 400	155.5	100.5	27
CPMV 500	232	176.5	CPMVW 500	163.5	108.5	35
CPMV 630	244	188.5	CPMVW 630	175.5	120.5	47
CPMV 800	255	199.5	CPMVW 800	186.5	131.5	58
CPMV 1000	271	215.5	CPMVW 800	202.5	147.5	74

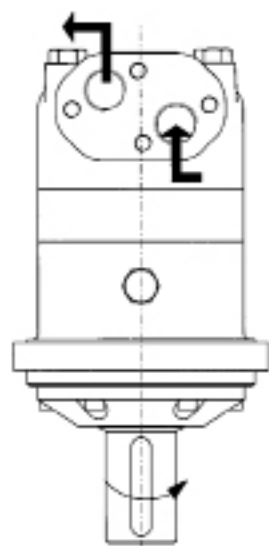
Presiunea admisa pe simmeringuri
Permissible shaft seal pressure



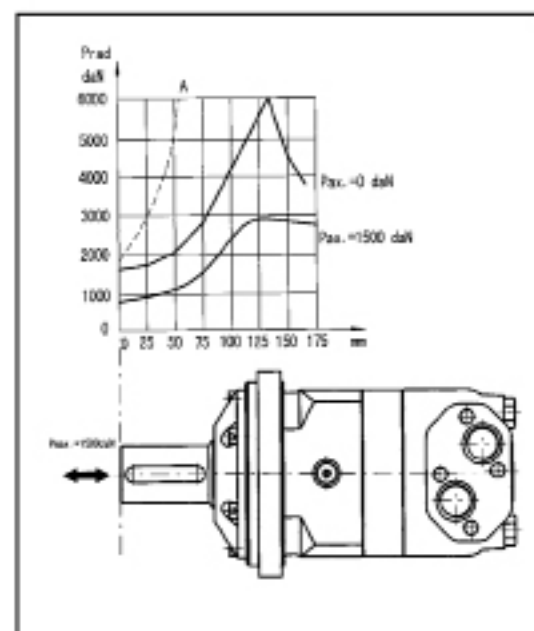
Directia de rotire a motorului
Motor rotation

Direcția de rotație standard:
 Sensul acelor de ceasornic atunci când portul "A" se află sub presiune.
 Contra-sensul acelor de ceasornic atunci când portul "B" se află sub presiune.

Standard direction of rotation:
Clockwise when port „A“ is pressurized.
Counter-Clockwise when port „B“ is pressurized.



Sarcina arborelui

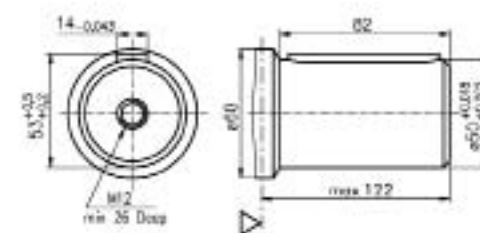


Rulmentul cu role conice de pe arborele de ieșire poate accepta un nivel ridicat de sarcina axiala și radiala pentru motoarele CPMV. Curba rupta arată încărcare radiala maxima admisa . Sarcinile mai ridicate și dincolo de această nivel pot duce la distrugere. Curba indica o durată de viață teoretică de 3000 de ore la 200 rpm.

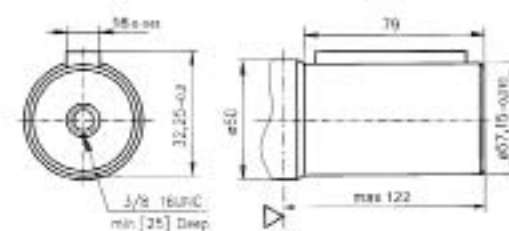
The tapered roller bearings on the output shaft can accept high levels of axial and radial load for CPMV motors. The broken curve shows the maximum permissible radial load. Loads above and beyond this level can lead to breakage. The solid curve plots the permissible radial loads for a theoretical service life of 3000 hours at 200 RPM.

Arbori de iesire

C - Cil. Φ 50mm pana dreapta, paralele A14 x 9 x 70 (DIN 6885) / Φ 50mm straight, parallel key A14 x 9 x 70 (DIN 6885)



CO - Cil. Φ 57.15 mm (2 1/4") tasta dreaptă, paralele 1/2" x 1/2" x 2 1/4" BS46.
 Φ 57.15 mm (2 1/4") straight, parallel key 1/2" x 1/2" x 2 1/4" BS46.



Informatii privind comanda

	1	2	3	4	5	6	7
CPMV							

Pos. 1 Flansa de montat / Mounting flange

Lipsa / Omit Flansa patrata, 4 orificii / *Square flange 4-holes*
W Flansa rotii / *Wheel mount*

Pos. 2 Volum / Displacement

315	315 cm ³ /U / 315 ccm/REV
400	400 cm ³ /U / 400 ccm/REV
500	500 cm ³ /U / 500 ccm/REV
630	630 cm ³ /U / 630 ccm/REV
800	800 cm ³ /U / 800 ccm/REV
1000	1000 cm ³ /U / 1000 ccm/REV

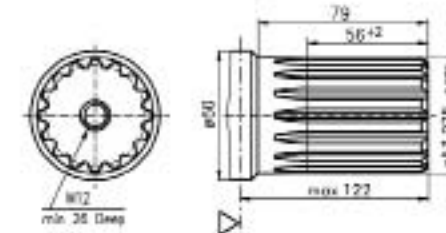
Pos. 3 Prelungire a arborelui / *Shaft extensions*

C Cil. Φ 50 mm cu pana dreapta, paralela A14 x 8 x 70
 Φ 50 mm straight, parallel key A14 x 8 x 70.

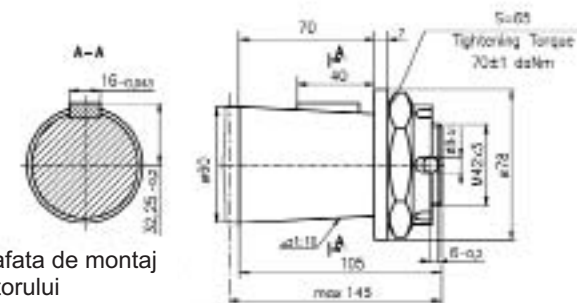
CO Cil. Φ 57.15 mm (2 1/4") cilindric cu pana 1/2" x 1/2" x 2 1/4" x "
 Φ 57.15 mm (2 1/4") zylindrisch mit Passfeder 1/2" x 1/2" x 2 1/4"

Output shafts

SH - Φ 2 1/2" canelate, 16 DP
8/16 ANS B92.1-1976 / Φ 2 1/2" splined, 16 DP
8/16 ANS B92.1-1976



K - conice, paralele
tasta de B16 x 10 x 32 DIN 6885./ conical 1:10, parallel
key B16 x 10 x 32 DIN 6885.



Order Information

K	Conic 1:10 cu pana B16 x 10 x 32 <i>Conical 1:10 with key B16 x 10 x 32</i>
SH	Diam. 2 1/8" canelata 17 <i>Diam. 2 1/8" splined, 17T.</i>

Pos. 5 Orificii / Porting

Lipsa / Omit G 1 " / G 1"	
M	Metrisch 2 x M33 x 2 / Metric 2 x M33 x 2
U	2 x 1 5/16 "-12 UN, T: 9/16 - 18 UNF 2 x 1 5/16"-12 UN, T: 9/16 - 18 UNF

Pos. 6 Vopsea/ *Painting*

Lipsa / Omit Gri/ Grey

RAL... + Vopsea tip Ral (ex. 7021) / + Ral colour (e.g. 7021)

Pos. 7 Sensul de rotație / *Rotation direction*Lipsa / Omit Rotatie standard / *Standard Rotation*

R Rotatie reversibila / *Reverse Rotation*