POMPES HYDRAULIQUES

GROUPE 2.1	POMPES DE «DOMPEUR» CODES DE COMMANDE OPTIONS - CONTRÔLES	P. 20
GROUPE 2.2	POMPES ET MOTEURS AVEC ARBRE À ROULEMENT À BILLES Séries P - 2100/5151/7500	P. 21
GROUPE 2.3	POMPES ET MOTEURS À «BUSHINGS» Séries P - 124/197/257	P. 22
GROUPE 2.4	POMPES ET MOTEURS À PISTONS MOTEURS À GEROTORS	P. 23-25
GROUPE 2.5	POMPES/MOTEURS ALUMINIUM À ENGRENAGES 1.6 P/MB GROUPE 1	P. 26-27
GROUPE 2.6	POMPES/MOTEURS ALUMINIUM À ENGRENAGES 2 P/MB GROUPE 2	P. 28-31
GROUPE 2.7	POMPES/MOTEURS ALUMINIUM À ENGRENAGES 2.5 P/MB GROUPE 2.5	P. 32-35
GROUPE 2.8	POMPES/MOTEURS ALUMINIUM À ENGRENAGES 3 P/MB GROUPE 3	P. 36-38

PERMCO

DM-640

POMPES «DE DOMPEUR»

CODES DE POMPE

DMD – 25 – Z – L – AS – 20 – EB

Direct Mount, SAE 4 Bolt "B"

20 2.0" Gear / 37 GPM at 1800 RPM
25 2.5" Gear / 46 GPM at 1800 RPM

X 2 Line (Without 3 Line Sleeve)
Z 3 Line (With 3 Line Sleeve)

L Left Hand Rotation
R Right Hand Rotation

Extended Stud Orientation
Delete Top Two (Std.)
EB Bottom Two
EL Left Side
ER Right Side
E4 All four

Relief Valve Setting
20 2000 PSI
25 2500 PSI

AS Air Shift
MS Manual Shift

DM – 640 – 25 – ZR – M – T – 200

Remote Mount

512-20 In.3 x 100 / 2.0" Gear / 37 GPM at 1800 RPM
640-25 In.3 x 100 / 2.5" Gear / 46 GPM at 1800 RPM

X 2 Line (Without 3 Line Sleeve)
Z 3 Line (With 3 Line Sleeve)

Valve Orientation
L Left Side
R Right Side (Std.)

Relief Valve Setting
200 2000 PSI
250 2500 PSI

T Manual Shift
AS "OE" Air Shift

M With Mounting Bracket (Std.)
O Without Mounting Bracket

DM-640

Pump/valve assembly for heavy and medium duty dump trucks and dump trailers.

DMD-25

Séries	IN³ (CC)	GPM/900 RPM/ 2000 PSI	GPM/1200 RPM/ 2000 PSI	GPM/1500 RPM/ 2000 PSI
DM-512-20/DMD-20	5.12 (84.3)	17.5	24.0	30.5
DM-640-25/DMD-25	6.40 (105.4)	21.0	29.0	37.5

DMD-400

Pump/valve assembly for medium and light duty dump trucks.

DMR-400

Séries	IN³ (CC)	GPM/900 RPM/ 2000 PSI	GPM/1200 RPM/ 2000 PSI	GPM/1500 RPM/ 2000 PSI
DM-512-20/DMD-20	5.12 (84.3)	17.5	24.0	30.5
DM-640-25/DMD-25	6.40 (105.4)	21.0	29.0	37.5

Tours et contrôles pneumatiques

Air Shift Controls and Towers

997-01043-8

The **997-01043** series towers come in either an 8" or 13" tower. The PTO is kicked out of gear when the pump lever is put into the "lower" position.

997-01055-8-C

The **997-01055** series towers come in either an 8" or 13" tower. It also comes with a PTO valve cutout for either of the popular PTO's. The air valve shown is supplied with yhe PTO.

P1229

The **P1229** air valve controls both the Dump Pump and the PTO in one lever. There are options for detent of the lever contolling the pump and a PTO kickout. The valve can be ordered with a bracket for installation on an air seat.

997-00971A

The **997-00971A** is an after market air shift cylinder that fi ts the DMD-25 and DM-640 Dump Pump as well as all other units of similar design.

POMPES ET MOTEURS
ARBRES D'ENTRAÎNEMENT À ROULEMENT

Spécifications du manufacturier — **Largeurs d'engrenage**

Séries		0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00
2100/3000/3100	GPM/1000 RPM/2000 PSI	**	**	6.5	8.5	11.0	12.5	15.0				
	LPM/1000 RPM	**	**	25	32	42	47	57				
	IN³	1.0	1.5	2.0	2.5	3.0	3.5	4.00				
	CC	16.4	24.6	32.8	41.0	49.2	57.3	65.5				
	***Max RPM	2400	2400	2400	2400	2400	2400	2400				
	#2100 - Max PSI	3000	3000	3000	3000	3000	2500	2500				
	# 3100 - Max PSI	3000	3000	3000	3000	3000	2500	2500				
	# 3000 - Max PSI	2500	2500	2500	2500	2500	2250	2250				
	* Motor/Input GPM	**	**	12.0	14.0	16.5	19.0	21.0				
	* Motor/Output in-lbs	**	**	570	730	895	1035	1175				
	* Motor/Output HP	**	**	9.0	11.5	14.0	16.5	18.6				
5000/5100/5151	GPM/1000 RPM/2000 PSI	**	**	9.5	12.0	14.5	17.5	19.5	21.0	23.5		
	LPM/1000 RPM	**	**	36	45	55	66	74	79	89		
	IN³	1.29	1.93	2.57	3.22	3.86	4.50	5.15	5.79	6.43		
	CC	21.1	31.6	42.2	52.7	63.2	73.8	84.3	94.9	105.4		
	+ Max RPM	2400	2400	2400	2400	2400	2400	2400	2400	2400		
	5151 - Max Peak PSI	N/A	N/A	N/A	N/A	N/A	3000	3000	3000	3000		
	# 5100 - Max PSI	3000	3000	3000	3000	3000	3000	2500	2500	2500		
	# 5000 - Max PSI	2500	2500	2500	2500	2500	2000	2000	2000	2000		
	* Motor/Input GPM	**	**	13.5	16.5	19.5	23.0	26.0	29.0	32.0		
	* Motor/Output in-lbs	**	**	725	925	1130	1320	1510	1695	1885		
	* Motor/Output HP	**	**	11.5	15.0	18.0	21.0	24.0	27.0	30.0		
7500/7600	GPM/1000RPM/2000 PSI	**	**	14.5	19.0	23.0	27.0	31.0	35.5	39.0	44.0	49.0
	LPM/1000 RPM	**	**	55	72	87	102	117	134	148	167	185
	IN³	2.02	3.03	4.04	5.06	6.07	7.08	8.09	9.1	10.1	11.1	12.1
	CC	33.1	49.7	66.3	82.8	99.4	116.0	132.5	149.1	165.7	182.2	198.8
	Max RPM	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
	# 7600 - Max PSI	3000	3000	3000	3000	3000	3000	2500	2500	2500	2000	2000
	# 7500 - Max PSI	2500	2500	2500	2500	2500	2500	2500	2250	2250	2000	2000
	* Motor/Input GPM	**	**	23.0	28.0	33.0	37.5	42.0	46.5	51.0	56.0	61.0
	* Motor/Output in-lbs	**	**	1095	1390	1690	1980	2265	2590	2915	3300	3690
	* Motor/Output HP	**	**	17.5	22.0	27.0	31.5	36.0	41.0	46.5	52.5	58.5

P2100

P5151

P7500

POMPES ET MOTEURS À «BUSHINGS»

Spécifications du manufacturier — Largeurs d'engrenage

Séries		0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50
124	GPM/1000 RPM/Rated PSI	2.0	3.5	5.0	6.0	7.5	9.0	10.0		
	LPM/1000 RPM	8	13	19	23	28	34	38		
	IN³	0.62	0.93	1.24	1.55	1.86	2.17	2.48		
	CC	10	15	20	25	30	35	40		
	Max RPM	3000	3000	3000	3000	3000	3000	3000		
	# Max PSI	3500	3500	3500	3500	3300	2900	2500		
	# Max Bar	241	241	241	241	227	200	172		
	* Motor/Input GPM	**	**	8.0	9.0	10.5	12.0	13.5		
	* Motor/Output in-lbs	**	**	660	825	930	955	945		
	* Motor/Output HP	**	**	10.5	13.0	15.0	15.0	15.0		
P197	GPM/1000 RPM/Rated PSI	**	**	7.0	9.0	11.0	13.0	15.0		
	LPM/1000 RPM	**	**	26	34	42	49	57		
	IN3	0.99	1.48	1.97	2.46	2.96	3.45	3.94		
	CC	16.1	24.2	32.3	40.4	48.4	56.5	64.6		
	Max RPM	2400	2400	2400	2400	2400	2400	2400		
	# Max PSI	**	**	4000	4000	3750	3500	3250		
	# Max Bar	**	**	276	276	259	241	224		
257	GPM/1000 RPM/Rated PSI	**	**	9.0	12.0	14.5	17.0	19.5	22 25	
	1000 RPM	**	**	34	45	55	64	74	83	95
	IN3	1.29	1.93	2.57	3.21	3.86	4.50	5.14	5.78	6.43
	CC	21.1	31.6	42.1	52.6	63.2	73.7	84.2	94.8	105.3
	Max RPM	2400	2400	2400	2400	2400	2400	2400	2400	2400
	# Max PSI	4500	4500	4500	4500	3500	3250	3000	2750	2500
	# Max Bar	310	310	310	310	241	224	207	190	172
	+ Motor/Input GPM	**	**	14.5	17.5	20.5	23.5	26.0	29.5	31.5
	+ Motor/Output in-lbs	**	**	1250	1600	1950	2150	2250	2350	2350
	+ Motor/Output HP	**	**	19.5	25.5	31.0	34.0	36.0	37.5	37.5

P124

P197 Tandem

M257

Aussi disponible

Gemini

Rexroth
Bosch Group

POMPES À PISTONS DÉBIT VARIABLE

Série A10VO / 52

(cm3) Type	Circuit	Type de débit	Cylindrée (Po^3 / rev.)	RPM (max)	GPM @ 1800 RPM
10.5	Ouvert	Variable	0.64	3600	4.99
28	Ouvert	Variable	1.71	3000	13.31
45	Ouvert	Variable	2.75	2600	21.40
60	Ouvert	Variable	3.66	2700	28.53
85	Ouvert	Variable	5.19	2500	40.42

Pression nominale: 3600 PSI Pression intermitente: 4600 PSI

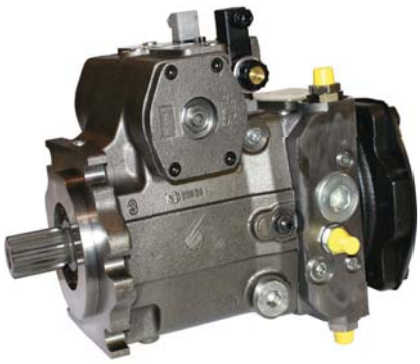
Série AA11VO

(cm3) Type	Circuit	Type de débit	Cylindrée (Po^3 / rev.)	RPM (max)	GPM @ 1800 RPM
40	Ouvert	Variable	2.56	3000	19.95
60	Ouvert	Variable	3.57	2700	27.82
75	Ouvert	Variable	4.52	2550	35.22
95	Ouvert	Variable	5.71	2350	44.49
130	Ouvert	Variable	7.93	2100	61.79
145	Ouvert	Variable	8.84	2200	68.88
190	Ouvert	Variable	11.78	2100	91.79
260	Ouvert	Variable	15.87	1800	123.62

Pression nominale: 5100 PSI Pression intermitente: 5800 PSI

Série AA4VG

HYDROSTATIQUE



(cm3) Type	Circuit	Type de débit	Cylindrée (Po^3 / rev.)	RPM (max)	GPM @ 1800 RPM
28	Fermé	Variable	1.71	4250	13.31
40	Fermé	Variable	2.44	4000	19.02
56	Fermé	Variable	3.42	3600	26.63
71	Fermé	Variable	4.33	3300	33.76
90	Fermé	Variable	5.49	3050	42.79
125	Fermé	Variable	7.63	2850	59.44
180	Fermé	Variable	10.98	2500	85.59
250	Fermé	Variable	15.26	2400	118.87

Pression nominale: 5800 PSI Pression intermitente: 6500 PSI

Rexroth
Bosch Group

MOTEURS À PISTONS DÉBIT FIXE OU VARIABLE

Série A2FM

MOTEUR

(cm3) Type	Circuit	Type de débit	Cylindrée (Po^3 / rev.)	MOTEUR RPM (max)
10	Ouvert	Fixe	0.63	8000
12	Ouvert	Fixe	0.73	8000
16	Ouvert	Fixe	0.98	8000
23	Ouvert	Fixe	1.40	6300
28	Ouvert	Fixe	1.71	6300
32	Ouvert	Fixe	1.95	6300
45	Ouvert	Fixe	2.78	5600
56	Ouvert	Fixe	3.42	5000
63	Ouvert	Fixe	3.84	5000
80	Ouvert	Fixe	4.91	4500
90	Ouvert	Fixe	5.49	4500
107	Ouvert	Fixe	6.51	4000
125	Ouvert	Fixe	7.63	4000
160	Ouvert	Fixe	9.79	3600

Pression nominale: 5800 PSI Pression intermitente: 6500 PSI

Série AA6VM

MOTEUR

(cm3) Type	Circuit	Type de débit	Cylindrée (Po^3 / rev.)	MOTEUR RPM (max)
28	Ouvert ou fermé	Variable	1.71	5550
55	Ouvert ou fermé	Variable	3.34	4450
80	Ouvert ou fermé	Variable	4.88	3900
107	Ouvert ou fermé	Variable	6.53	3550
140	Ouvert ou fermé	Variable	8.54	3250
160	Ouvert ou fermé	Variable	9.76	3100
200	Ouvert ou fermé	Variable	12.20	2900
250	Ouvert ou fermé	Variable	15.25	2700
355	Ouvert ou fermé	Variable	21.66	2240
500	Ouvert ou fermé	Variable	30.51	2000
1000	Ouvert ou fermé	Variable	61.02	1600

Pressions 28 à 200 cm3: 5800 /6500 PSI (nominale/intermitente)
Pressions 250 à 1000 cm3: 5100 /5800 PSI (nominale/intermitente)

MOTEURS HYDRAULIQUES

Série BM 1

MOTEUR À GEROTOR

Cylindrées	ml / rev.	50	63	80	100	125	160	200	250	315	400
	Po 3	3.05	3.84	4.88	6.10	7.63	9.76	12.20	15.25	19.22	24.41
Débit (Max) Gal./min.	Cont.	10.0	11.9	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
	Int.	11.9	14.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
Vitesse (Max) RPM	Cont.	684	643	618	500	400	320	255	202	160	125
	Int.	810	757	730	590	472	378	300	240	190	148
Pression. (Max) PSI	Cont.	1813	1813	1813	1813	1813	1813	1596	1596	1451	1306
	Int.	2176	2176	2176	2176	2176	2176	1813	1813	1813	1596
Torque (Max) Lb - Po	Cont.	655	823	1372	1372	1708	2195	2416	3009	3319	3806
	Int.	788	965	1611	1611	2018	2602	2744	3434	4151	4390

Équivalence : Danfoss (OMP) M+S (MLHP) Charlynn (Modèle H)

Série BM 2

MOTEUR À GEROTOR

Cylindrées	ml / rev.	50	63	80	100	125	160	200	250	315	400	500
	Po 3	3.1	3.8	4.9	6.1	7.6	9.8	12.2	15.3	19.2	24.4	30.5
Débit (Max) Gal./min.	Cont.	10.6	14.0	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
	Int.	12.2	15.3	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
Vitesse (Max) RPM	Cont.	684	643	618	500	400	320	255	202	160	125	110
	Int.	810	757	730	590	472	378	300	240	190	148	128
Pression. (Max) PSI	Cont.	2031	2031	2031	2031	2031	2031	1813	1596	1306	1306	1161
	Int.	2466	2466	2466	2466	2466	2466	2176	1886	1596	1451	1306
Torque (Max) Lb - Po	Cont.	788	991	1257	1575	1974	2523	2815	3098	3186	3700	4107
	Int.	956	1204	1522	1912	2390	3062	3381	3655	3540	4107	4426

Équivalence : Danfoss (OMR) M+S (MLHR)

Série BM 5

MOTEUR À GEROTOR

Cylindrées	ml / rev.	80	100	125	160	200	250	280	305	400	500
	Po 3	4.9	6.1	7.6	9.8	12.2	15.3	17.1	18.6	24.4	30.5
Débit (Max) Gal./min.	Cont.	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
	Int.	22.5	25.1	25.1	30.4	30.4	30.4	30.4	30.4	34.3	34.3
Vitesse (Max) RPM	Cont.	850	675	552	430	345	276	246	226	180	144
	Int.	956	855	700	660	529	423	378	347	308	246
Pression. (Max) PSI	Cont.	2535	2539	2539	2539	2539	2539	2539	2176	2176	1741
	Int.	4060	4062	4062	3627	3627	3627	3627	3046	2466	2176
Torque (Max) Lb - Po	Cont.	1575	1974	2461	3151	3939	4930	5240	5134	6328	6373
	Int.	2520	3151	3939	4505	5629	6683	6895	6753	7435	7612

Équivalence : Danfoss (OMS) M+S (MLHS) Charlynn (2000)

Série BM 6

MOTEUR À GEROTOR

Cylindrées	ml / rev.	195	245	310	395	490	625	800	985
	Po 3	11.9	14.9	18.9	24.1	29.9	38.1	48.8	60.1
Débit (Max) Gal./min.	Cont.	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
	Int.	44.9	55.5	59.4	59.4	59.4	59.4	59.4	59.4
Vitesse (Max) RPM	Cont.	750	600	474	372	300	240	180	150
	Int.	850	840	698	558	450	350	270	220
Pression. (Max) PSI	Cont.	2974	2974	2974	2974	2466	2031	1741	1741
	Int.	4497	4497	4497	4497	3989	2466	2031	2031
Torque (Max) Lb - Po	Cont.	4780	6010	7169	9117	9382	9913	10798	13303
	Int.	6806	8497	10134	12922	14250	11949	12568	15489

Équivalence : Danfoss (OMT) M+S (MLHT) Charlynn (6000)

Pompes multiples aussi disponibles

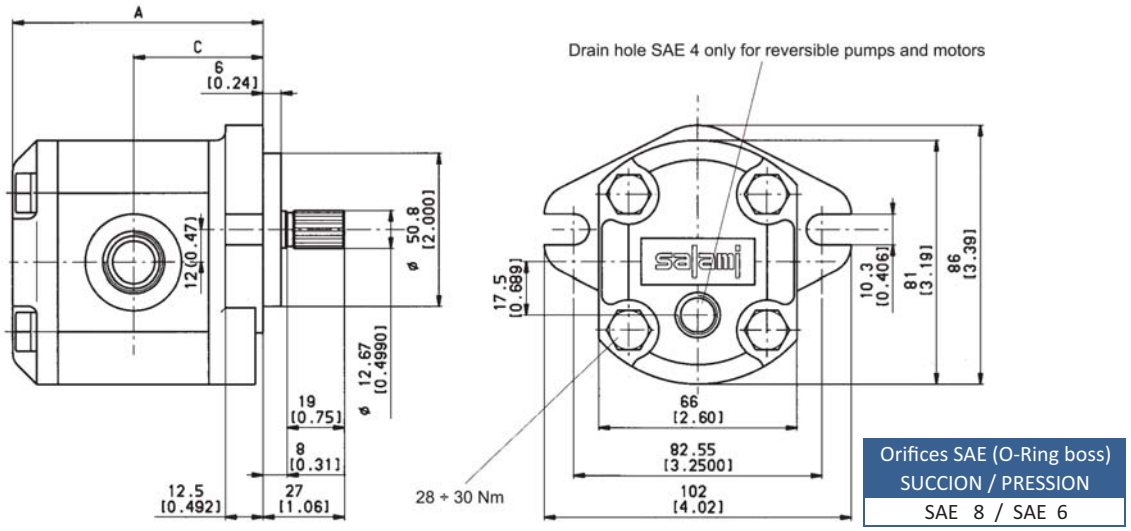
1.6P/MB GROUPE 1

POMPES / MOTEURS À ENGRENAGES EN ALUMINIUM

# ITEM	No. de pièce	Capacité @ 1800RPM GPM	Po³/Rév.	Rotation	Type / # Bolts / CC bolts Montage	Pression W.P.
9014	1.6PB1.4D-R83S1	0.63	0.081	CW	SAE / AA4 Bolts / 2,00"	3600 PSI
9001	1.6PB2.1D-R80S0	0.98	0.126	CW	SAE / AA2 Bolts / 3.25"	3600 PSI
9015	1.6PB2.1D-R83S1	0.98	0.126	CW	SAE / AA4 Bolts / 2,00"	3600 PSI
9009	1.6PB2.8S-R80S0	1.29	0.166	CCW	SAE / AA2 Bolts / 3.25"	3600 PSI
9016	1.6PB2.8D-R83S1	1.29	0.166	CW	SAE / AA4 Bolts / 2,00"	3600 PSI
9004	1.6PB4.1D-R80S0	1.93	0.248	CW	SAE / AA2 Bolts / 3.25"	3300 PSI
9017	1.6PB4.1D-R83S1	1.93	0.248	CW	SAE / AA4 Bolts / 2,00"	3300 PSI
9018	1.6PB5.2D-R83S1	2.47	0.317	CW	SAE / AA4 Bolts / 2,00"	3000 PSI
9019	1.6PB6.1D-R83S1	2.88	0.369	CW	SAE / AA4 Bolts / 2,00"	3000 PSI

DIMENSIONS D'ASSEMBLAGE ET VALEURS DE PRESSION ET VITESSE

Type			1.4	2.1	2.8	3.5	4.1	5.2	6.1
Cylindrée		cm^3/rev cu.in./rev	1.33 0.081	2.06 0.126	2.73 0.166	3.4 0.200	4.06 0.248	5.15 0.317	6.06 0.369
Dimension A		mm in	82 3.23			88 3.46		94 3.70	
Dimension C		mm in	42 1.65			45 1.77		48 1.89	
Pression d'opération	**p1**	bar psi	250 3600			230 3300		42 3000	
Pression intermittente	**p2**	bar psi	280 4000			250 3600		230 3300	
Pression de pointe	**p3**	bar psi	300 4300			280 4000		260 3750	
Vitesse max. à	**p2**	rpm	6000		5000		4000		
Vitesse min.à	**p1**	rpm	500						
Poids		kg lbs	1.02 2.25	1.05 4300	1.08 240	1.11 2.45	1.14 2.50	1.17 2.60	1.20 2.65



Orifices SAE (O-Ring boss)
SUCCION / PRESSION
SAE 8 / SAE 6

1.6P/MB GROUPE 1

CODES DE COMMANDE

1.6	P	B	3.5	D	-	R	51	S0

DIMENSION

FONCTION	CODES
Pump	P
Motor	P

SÉRIE

TYPE 1.6PB	CYLINDRÉES
1.4	1.33 cm³/rev = 0.081 cu./in/rev
2.1	2.06 cm³/rev = 0.128 cu./in/rev
2.8	2.73 cm³/rev = 0.166 cu./in/rev
3.5	3.4 cm³/rev = 0.200 cu./in/rev
4.1	4.06 cm³/rev = 0.248 cu./in/rev
5.2	5.15 cm³/rev = 0.317 cu./in/rev
6.1	6.06 cm³/rev = 0.369 cu./in/rev

ROTATIONS	CODES
Clockwise	D
Anti-clockwise	S
Reversible	R

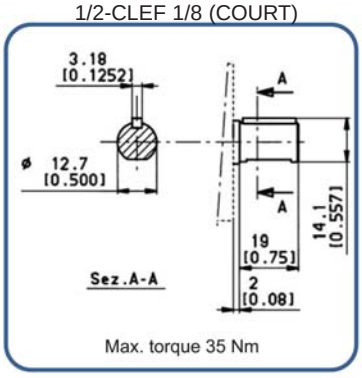
ORIFICES	CODE
SAE threaded ports (ODT)	R

MONTAGES	CODE
SAE AA - 2 holes	S0
SAE AA - 4 holes	S1

ARBRES D'ENTRAÎNEMENT	CODE
SAE AA st. splined 9T	51
SAE AA st.parallel	80
SAE AA st.parallel	83

DIMENSIONS DES ARBRES D'ENTRAÎNEMENT ET SÉLECTION DE MONTAGE

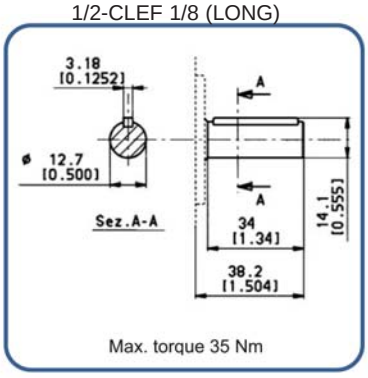
1/2-CLEF 1/8 (COURT)



Max. torque 35 Nm

code 80 SAE "AA" parallel

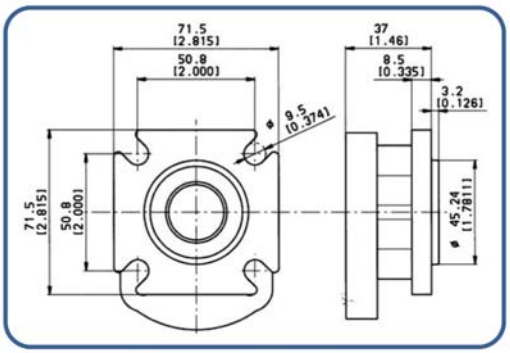
1/2-CLEF 1/8 (LONG)



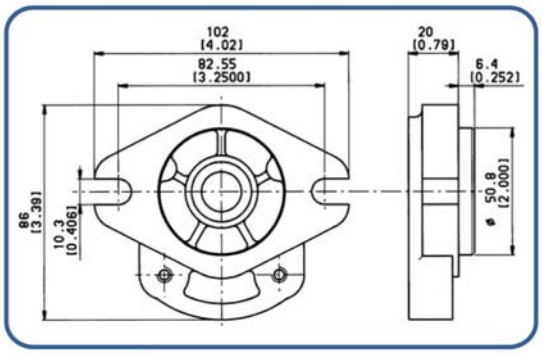
Max. torque 35 Nm

code 83 Only with flange **S1**

1.6PB TYPES DE MONTAGE



code S1 4 bolts SAE "AA" flange only with shaft code 83



code S0 2 bolts SAE "AA" flange with shafts code 51-80

salami™

Pompes multiples aussi disponibles

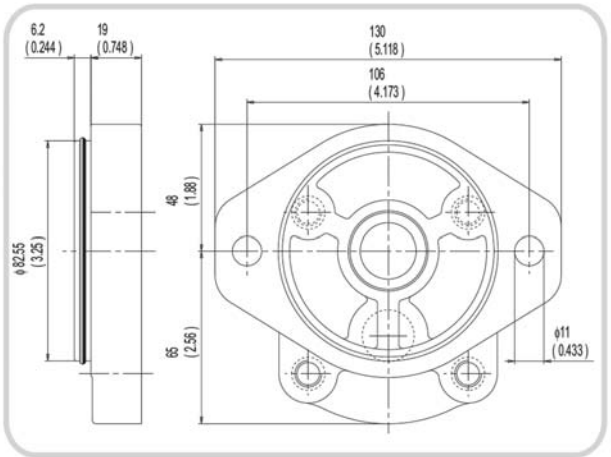
2 P/MB GROUPE 2

POMPES / MOTEURS À ENGRENAGES EN ALUMINIUM

# ITEM	No. de pièce	Capacité @ 1800RPM GPM	Po³/Rév.	Rotation	Type / # Bolts / CC bolts Montage	Pression W.P.
9044	2PB4.5D-R-82-S2	2.10	0.270	CW	SAE / A2 Bolts / 4,18"	3600 PSI
9053	2PB4.5S-R-82-S2	2.10	0.270	CCW	SAE / A2 Bolts / 4,18"	3600 PSI
9063	2PB6.2D-R-52-S2	3.12	0.400	CW	SAE / A2 Bolts / 4,18"	3600 PSI
9045	2PB6.2D-R-82-S2	3.12	0.400	CW	SAE / A2 Bolts / 4,18"	3600 PSI
9064	2PB8.3D-R-52-S2	3.90	0.500	CW	SAE / A2 Bolts / 4,18"	3600 PSI
9046	2PB8.3D-R-82-S2	3.90	0.500	CW	SAE / A2 Bolts / 4,18"	3600 PSI
9065	2PB11.3D-R-52-S2	5.30	0.680	CW	SAE / A2 Bolts / 4,18"	3600 PSI
9047	2PB11.3D-R-82-S2	5.30	0.680	CW	SAE / A2 Bolts / 4,18"	3600 PSI
9056	2PB11.3S-R-82-S2	5.30	0.680	CCW	SAE / A2 Bolts / 4,18"	3600 PSI
9048	2PB13.8D-R-82-S2	6.55	0.840	CW	SAE / A2 Bolts / 4,18"	3600 PSI
9067	2PB16D-R-52-S2	7.87	1.010	CW	SAE / A2 Bolts / 4,18"	3600 PSI
9049	2PB16D-R-82-S2	7.87	1.010	CW	SAE / A2 Bolts / 4,18"	3600 PSI
9068	2PB19D-R-52-S2	8.96	1.150	CW	SAE / A2 Bolts / 4,18"	3140 PSI
9050	2PB19D-R-82-S2	8.96	1.150	CW	SAE / A2 Bolts / 4,18"	3140 PSI
9069	2PB22.5D-R-52-S2	10.68	1.370	CW	SAE / A2 Bolts / 4,18"	2900 PSI
9108	2PB22.5S-R-85-S2	10.68	1.370	CCW	SAE / A2 Bolts / 4,18"	2900 PSI
9070	2PB26D-R-52-S2	12.31	1.580	CW	SAE / A2 Bolts / 4,18"	2600 PSI
9101	2PB26D-R-85-S2	12.31	1.580	CW	SAE / A2 Bolts / 4,18"	2600 PSI

DIMENSIONS D'ASSEMBLAGE ET VALEURS DE PRESSION ET VITESSE

Types	3.2	3.9*	4.5	6.2	8.3	11.3	13.8	16	19	22.5	26
Cylindrée cm³/rev cu.in./rev	3.2 0.19	3.9 0.24	4.6 0.27	6.5 0.40	8.2 0.50	11.5 0.68	13.8 0.84	16.6 1.01	19.4 1.15	22.9 1.37	25.8 1.58
Dimension A mm in	47.1 1.83				52.8 2.05	63.5 2.50		74 2.91	80.4 3.13	85.8 3.38	91.6 3.61
Dimension C mm in	23.55 0.91					31.75 1.23		37 1.44	40.2 1.56	42.9 1.67	45.8 1.48
Pression d'opération p1 bar psi	250 3600								220 3140	200 2900	180 2600
Pression intermittente p2 bar psi	280 4000								240 3450	220 3140	200 2900
Pression de pointe p3 bar psi	300 4300								260 3750	240 3450	220 3140
Vitesse max. à p2 rpm	4000				3500			3000		2750	2500
Vitesse min.à p1 rpm	600				500			400		400	300
Poids kg lbs	2.1 4.6				2.25 5.0	2.5 5.5		2.75 6	2.95 6.5	3.1 6.8	3.25 7.2



Orifices SAE (O-Ring boss) SUCCION / PRESSION
SAE 12 / SAE 10

2P/MB GROUPE 2

CODES DE COMMANDE

salami™

2 | P | B | 16 | D | – | P | 28 | P1 | – | V | 1 | – | CP | – | PD1 | – | VS | _ _ / _ _

- DIMENSION
- Setting main relief valve (bar)
- Adjusted flow l/min
- PD1=pre-arranged for 1PB rear

FONCTION	CODES
Pump	P
Motor	M

SÉRIE

TYPES	CYLINDRÉES	
4.5	4.6 CM³/REV.	0.27 CU.IN/REV.
6.2	6.5 CM³/REV.	0.40 CU.IN/REV.
8.3	8.2 CM³/REV.	0.50 CU.IN/REV.
11.3	11.5 CM³/REV.	0.68 CU.IN/REV.
13.8	13.8 CM³/REV.	0.84 CU.IN/REV.
16	16.6 CM³/REV.	1.01 CU.IN/REV.
19	19.4 CM³/REV.	1.15 CU.IN/REV.
22.5	22.9 CM³/REV.	1.37 CU.IN/REV.
26	25.8 CM³/REV.	1.58 CU.IN/REV.

ROTATIONS	CODES
Clockwise	D
Anti-clockwise	S
Reversible	R

ORIFICES	CODES
Flanged parts european standard	P
Flanged parts german standard	B
GAS threaded ports (B SPP)	G
SAE Threaded ports (ODT)	R

ARBRES D'ENTRAÎNEMENT	CODES
Tang drive forengine driven	02
Tang drive for electric motors	03
Tapered 1:5	25
Tapered 1:5 (only for BC)	26
Tapered 1:8	28
SAE A splined 9 T	52
SAE A splined 11 T	54
DIN 5482 splined	61
DIN 5482 splined shaft	62
Parallel shatf Ø 15	81
SAE A Parallel shatf Ø 15,87	82
SAE A Parallel shatf Ø 19,05	85

OPTIONS DU COUVERT	CODES
Adjustable main relief valve	VS
Fixed setting main relief valve *	VSF
Like VS with external discharge	VSE
Like VS with lateral external discharge	VSL
Like VSF with external discharge*	VSEF
Flow regulator with external discharge*	VR
Priority flow divider with excess flow to 2 nd actuator	VP
Like VR with main relief	VRS
Like VP with main relief	VPS
Priority flow divider with Load-sensing	VPL
Like VPL with dinamic signal	VPD
Electric unloading valve (12V)	EV1
Electric unloading valve (24V)	EV2
Main relief and electric unloading valves (12V)	EVS1
Main relief and electric unloading valves (24V)	EVS2

«OUTRIGGER BEARINGS»	CODES
European standard	CP
German standard	CB
For engine endothermic motors	CL
For endothermic motors with axial and radial loads	CF
SAE A	CS

POSITION DES ORIFICES	CODES
Lateral ports standard	
Rear ports	1

JOINTS D'ÉTANCHÉITÉ	CODES
Buna Standard	
Viton	V

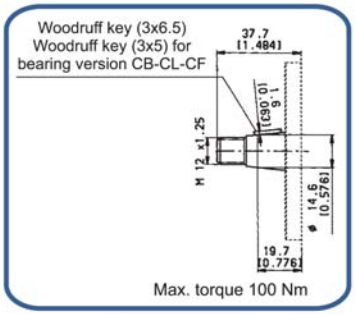
MONTAGES	CODES
European standard	P1
German standard Ø 80	B1
German standard Ø 52	B2-B3
German standard Ø 50	B4-B5
SAE A 2 bolts	S2
SAE A 2 bolts (with O-ring on the centering collar)	S6
4 bolts for Perkins Motor	K1

2P/MB GROUPE 2

CODES DE COMMANDE

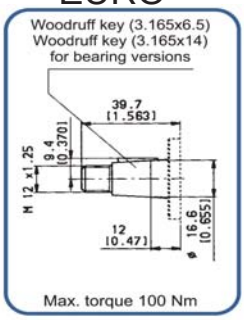
DIMENSIONS DES ARBRES D'ENTRAÎNEMENT ET SÉLECTION DE MONTAGE

BOSH



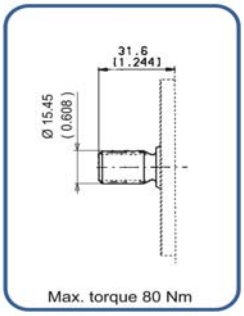
code 25
Tapered 1:5

EURO



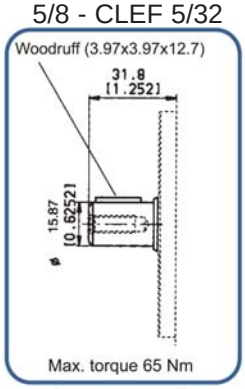
code 28
Tapered 1:8

5/8 - 9 DENTS



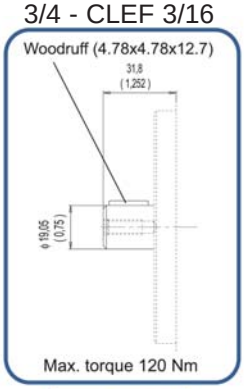
code 52
SAE A 9T-16/32DP

5/8 - CLEF 5/32



code 82
5/8" SAE A parallel

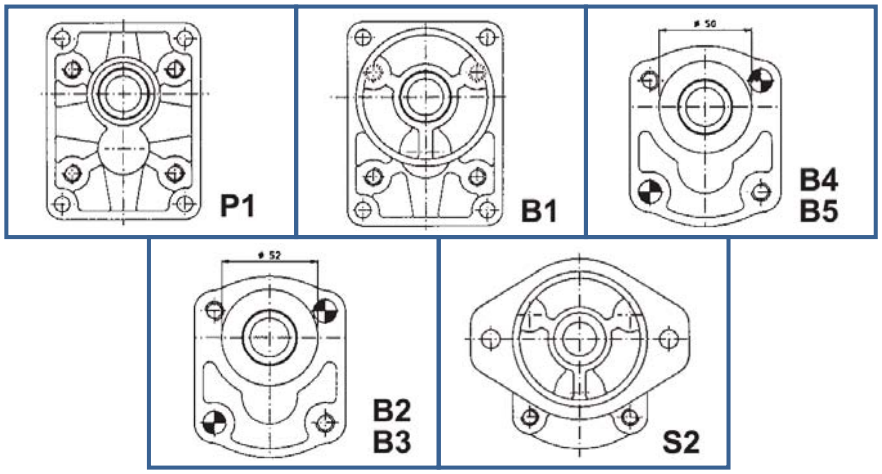
3/4 - CLEF 3/16



code 85
3/4" SAE A parallel

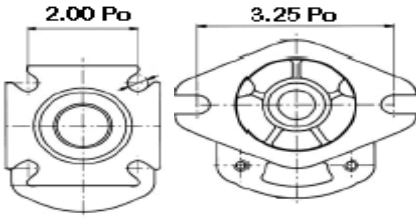
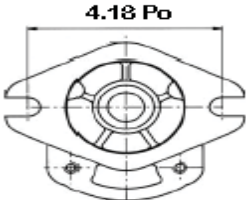
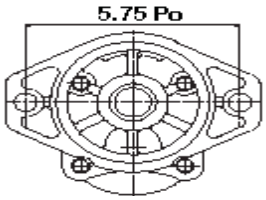
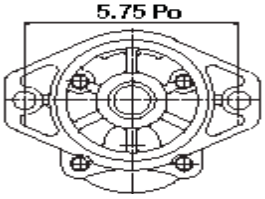
2PB TYPES DE MONTAGE

2PB



POMPES & MOTEURS À ENGRENAGES EN ALUMINIUM

Montages populaires

Série 1.6PB	Série 2 PB	Série 2.5 PB	Série 3 PB
SAE AA	SAE A	SAE B	SAE B
			
PILOTE 2po	PILOTE 3.25po	PILOTE 4po	PILOTE 4po

Voir les pages de détails pour les arbres d'entraînement disponibles

Numéro de pièce	Capacité @ 1800RPM GPM	Capacité @ 3600RPM GPM	Po^3/Rév.	Pression d'opération	RPM Max	RPM Min
1.6PB1.4	0.63	1.26	0.081	3600 PSI	6000	500
1.6PB2.1	0.98	1.96	0.126	3600 PSI	6000	500
1.6PB2.8	1.29	2.59	0.166	3600 PSI	5000	500
1.6PB3.5	1.56	3.12	0.200	3300 PSI	5000	500
1.6PB4.1	1.93	3.86	0.248	3300 PSI	4000	500
2.0PB4.5	2.10	4.21	0.270	3600 PSI	4000	600
1.6PB5.2	2.47	4.94	0.317	3000 PSI	4000	500
1.6PB6.1	2.88	5.75	0.369	3000 PSI	4000	500
2.0PB6.2	3.12	6.23	0.400	3600 PSI	4000	600
2.0PB8.3	3.90	--	0.500	3600 PSI	3500	500
2.0PB11.5	5.30	--	0.680	3600 PSI	3500	500
2.0PB13.8	6.55	--	0.840	3600 PSI	3500	500
2.5PB16	7.56	--	0.970	3600 PSI	3000	600
2.0PB16	7.87	--	1.010	3600 PSI	3000	400
2.0PB19	8.96	--	1.150	3140 PSI	3000	400
2.5PB19	9.12	--	1.170	3600 PSI	3000	600
3.0PB21	9.74	--	1.250	3600 PSI	3000	600
2.5PB22	10.52	--	1.350	3600 PSI	3000	500
2.0PB22.5	10.68	--	1.370	2900 PSI	2750	400
2.0PB26	12.31	--	1.580	2600 PSI	2500	300
2.5PB28	13.09	--	1.680	3600 PSI	3000	500
2.5PB32	15.35	--	1.970	3300 PSI	3000	500
2.5PB38	18.08	--	2.320	2900 PSI	2750	400
3.0PB38	18.39	--	2.360	3600 PSI	3000	500
2.5PB44	20.96	--	2.690	2465 PSI	2500	400
3.0PB46	22.05	--	2.830	3500 PSI	2750	500
3.0PB55	25.71	--	3.300	3000 PSI	2500	400
3.0PB65	30.00	--	3.850	2900 PSI	2500	400

2.5 P/MB GROUPE 2.5

POMPES / MOTEURS À ENGRENAGES EN ALUMINIUM

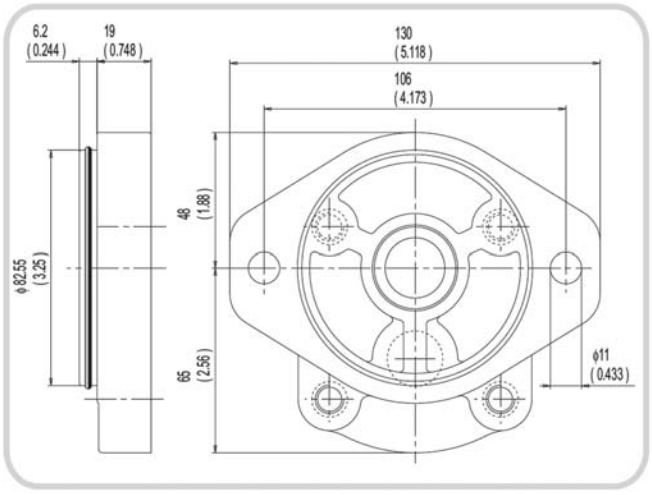
salami™

Pompes multiples aussi disponibles

# ITEM	No. de pièce	Capacité @ 1800RPM GPM	Po³/Rév.	Rotation	Type / # Bolts / CC bolts Montage	Pression W.P.
9144	2.5PB16D-R-55-S3	7.56	0.970	CW	SAE / B2 Bolts / 5,75"	3600 PSI
9170	2.5PB16D-R-87-S3	7.56	0.970	CW	SAE / B2 Bolts / 5,75"	3600 PSI
9145	2.5PB19D-R-55-S3	9.12	1.170	CW	SAE / B2 Bolts / 5,75"	3600 PSI
9146	2.5PB22D-R-55-S3	10.52	1.350	CW	SAE / B2 Bolts / 5,75"	3600 PSI
9148	2.5PB28D-R-55-S3	13.09	1.680	CW	SAE / B2 Bolts / 5,75"	3600 PSI
9174	2.5PB28D-R-87-S3	13.09	1.680	CW	SAE / B2 Bolts / 5,75"	3600 PSI
9149	2.5PB32D-R-55-S3	15.35	1.970	CW	SAE / B2 Bolts / 5,75"	3300 PSI
9175	2.5PB32D-R-87-S3	15.35	1.970	CW	SAE / B2 Bolts / 5,75"	3300 PSI
9150	2.5PB38D-R-55-S3	18.08	2.320	CW	SAE / B2 Bolts / 5,75"	2900 PSI
9176	2.5PB38D-R-87-S3	18.08	2.320	CW	SAE / B2 Bolts / 5,75"	2900 PSI
9151	2.5PB44D-R-55-S3	20.96	2.690	CW	SAE / B2 Bolts / 5,75"	2465 PSI

DIMENSIONS D'ASSEMBLAGE ET VALEURS DE PRESSION ET VITESSE

Types		5.5	8.3	11.5	13.8	16	19	22	25	28	32	38	44
Cylindrée	cm^3/rev cu.in./rev	5.97 0.36	8.29 0.50	11.76 0.72	14.07 0.86	16 0.97	19.3 1.17	22.2 1.35	25.2 1.53	27.6 1.68	32.4 1.97	38.1 2.32	44.2 2.69
Dimension A	mm in	52.2 2.05	54.6 2.15	58.2 2.29	60.6 2.38	63 2.45	66.5 2.59	70 2.73	72.5 2.82	85 3.31	90.5 3.52	96.5 3.76	103 4.06
Dimension C	mm in	26.1 1.02	27.3 1.07	29.1 1.14	30.3 1.19	31.5 1.22	33.25 1.29	35 1.36	36.25 1.41	42.5 1.65	45.25 1.76	48.25 1.88	51.5 2.03
Pression d'opération p1	bar psi	250 3600									230 3300	200 2900	170 2485
Pression intermittente p2	bar psi	280 4000									250 3600	220 3140	190
Pression de pointe p3	bar psi	300 4300									260 3750	240 3450	210 3000
Vitesse max. à p2	rpm	3000											
Vitesse min.à p1	rpm	600						500				400	
Poids	kg lbs	3.4 7.48	3.6 7.92	3.8 8.36	4.1 9.02	3.4 7.48	3.6 7.92	3.8 8.36	4.1 9.02	4.5 9.92	4.75 10.47	5 11.00	5.30 11.65



Cylindrées	Orifices SAE (O-Ring boss) SUCCION / PRESSION
16 à 22 cm^3	SAE 12 / SAE 10
25 à 44 cm^3	SAE 16 / SAE 12

2.5 P/MB GROUPE 2.5

CODES DE COMMANDE

2.5	P	B	28	D	–	P	38	P2	–	V	1	–	VS	----

DIMENSION

FONCTION	CODES
Pump	P
Motor	M

SÉRIES

TYPES	CYLINDRÉES
11.5	11.76 cm³/rev. - 0.72 cu.in/rev.
13.8	14.07 cm³/rev. - 0.86 cu.in/rev.
16	16 cm³/rev. - 0.97 cu.in/rev.
19	19.3 cm³/rev. - 1.17 cu.in/rev.
22	22.2 cm³/rev. - 1.35 cu.in/rev.
25	25.2 cm³/rev. - 1.53 cu.in/rev.
28	27.6 cm³/rev. - 1.68 cu.in/rev.
32	32.4 cm³/rev. - 1.97 cu.in/rev.
38	38.1 cm³/rev. - 2.32 cu.in/rev.
44	44.2 cm³/rev. - 2.69 cu.in/rev.

IMPORTANT:
Les cylindrées **11.5-13.8** sont disponiblent en pompe simple seulement avec l'arbre d'entraînement «**55**».

ROTATIONS	CODES
Clockwise	D
Anti-clockwise	S

ORIFICES	CODES
Flanged ports european standard	P
Flanged ports SAE (UNC)	S*
GAS threaded ports (BSPP)	G*
SAE threaded ports (ODT)	R

Values of fixed setting main relief valve (bar)
See page 15

OPTIONS DU COUVERT	CODES
Fixed setting main relief valve (pag.15)	VS

POSITION DES ORIFICES	CODES
Lateral ports standard	
Rear ports (pag.14)	1

JOINTS D'ÉTANCHÉITÉ	CODES
Buna Standard	
Viton	V

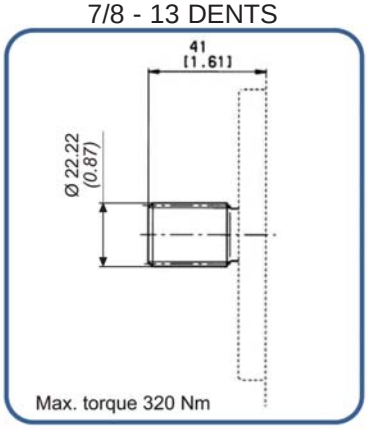
MONTAGES	CODES
European standard	P2
SAE A 2 Bolts	S2
SAE B 2 Bolts	S3

ARBRES D'ENTRAÎNEMENT	CODES
Tapered 1:8	38
3/4" SAE A splined 10T	53*
3/4" SAE A splined 11T	54*
7/8" SAE B splined 13T	55
7/8" SAE B parallel shaft Ø 22.22	87

2.5 P/MB GROUPE 2.5

DIMENSIONS DES ARBRES D'ENTRAÎNEMENT ET SÉLECTION DE MONTAGE

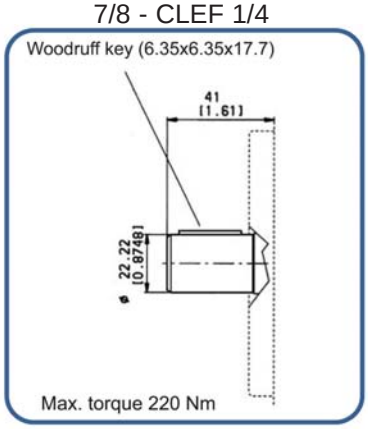
7/8 - 13 DENTS



code 55

SAE B 13T-16/32DP
Ansi B92 1a 1976

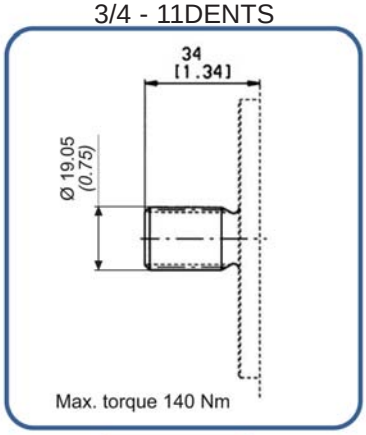
7/8 - CLEF 1/4



code 87

SAE B parallel

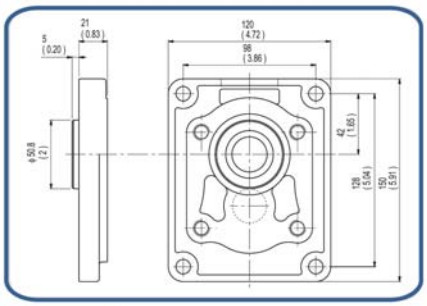
3/4 - 11DENTS



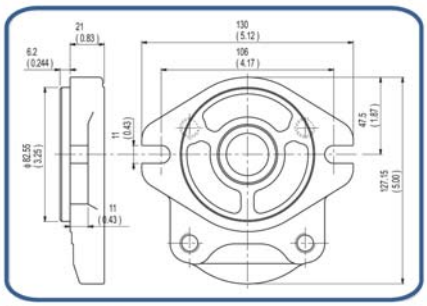
code 54

SAE A 11T-16/32DP
Ansi B92 1a 1976
Available for quantity
(contact our sales dept.)

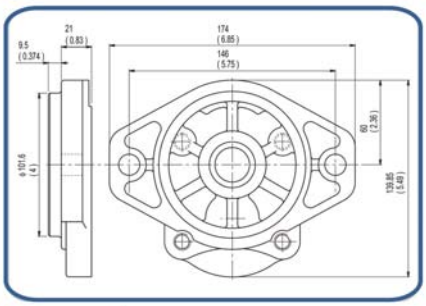
2.5 PB TYPES DE MONTAGE



code P2 With drive shaft code 38



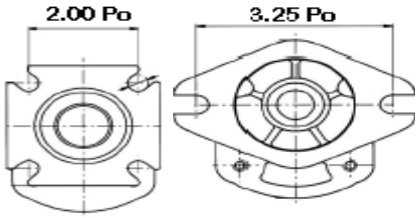
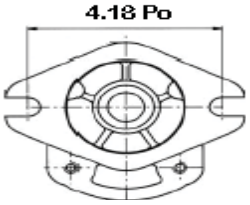
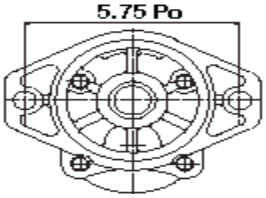
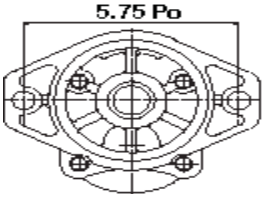
code S2 With drive shafts code 53 - 54 - 55 - 87



code S3 With drive shafts code 55-87

POMPES & MOTEURS À ENGRENAGES EN ALUMINIUM

Montages populaires

Série 1.6PB	Série 2 PB	Série 2.5 PB	Série 3 PB
SAE AA	SAE A	SAE B	SAE B
			
PILOTE 2po	PILOTE 3.25po	PILOTE 4po	PILOTE 4po

Voir les pages de détails pour les arbres d'entraînement disponibles

Numéro de pièce	Capacité @ 1800RPM GPM	Capacité @ 3600RPM GPM	Po^3/Rév.	Pression d'opération	RPM Max	RPM Min
1.6PB1.4	0.63	1.26	0.081	3600 PSI	6000	500
1.6PB2.1	0.98	1.96	0.126	3600 PSI	6000	500
1.6PB2.8	1.29	2.59	0.166	3600 PSI	5000	500
1.6PB3.5	1.56	3.12	0.200	3300 PSI	5000	500
1.6PB4.1	1.93	3.86	0.248	3300 PSI	4000	500
2.0PB4.5	2.10	4.21	0.270	3600 PSI	4000	600
1.6PB5.2	2.47	4.94	0.317	3000 PSI	4000	500
1.6PB6.1	2.88	5.75	0.369	3000 PSI	4000	500
2.0PB6.2	3.12	6.23	0.400	3600 PSI	4000	600
2.0PB8.3	3.90	--	0.500	3600 PSI	3500	500
2.0PB11.5	5.30	--	0.680	3600 PSI	3500	500
2.0PB13.8	6.55	--	0.840	3600 PSI	3500	500
2.5PB16	7.56	--	0.970	3600 PSI	3000	600
2.0PB16	7.87	--	1.010	3600 PSI	3000	400
2.0PB19	8.96	--	1.150	3140 PSI	3000	400
2.5PB19	9.12	--	1.170	3600 PSI	3000	600
3.0PB21	9.74	--	1.250	3600 PSI	3000	600
2.5PB22	10.52	--	1.350	3600 PSI	3000	500
2.0PB22.5	10.68	--	1.370	2900 PSI	2750	400
2.0PB26	12.31	--	1.580	2600 PSI	2500	300
2.5PB28	13.09	--	1.680	3600 PSI	3000	500
2.5PB32	15.35	--	1.970	3300 PSI	3000	500
2.5PB38	18.08	--	2.320	2900 PSI	2750	400
3.0PB38	18.39	--	2.360	3600 PSI	3000	500
2.5PB44	20.96	--	2.690	2465 PSI	2500	400
3.0PB46	22.05	--	2.830	3500 PSI	2750	500
3.0PB55	25.71	--	3.300	3000 PSI	2500	400
3.0PB65	30.00	--	3.850	2900 PSI	2500	400

3 P/MB GROUPE 3

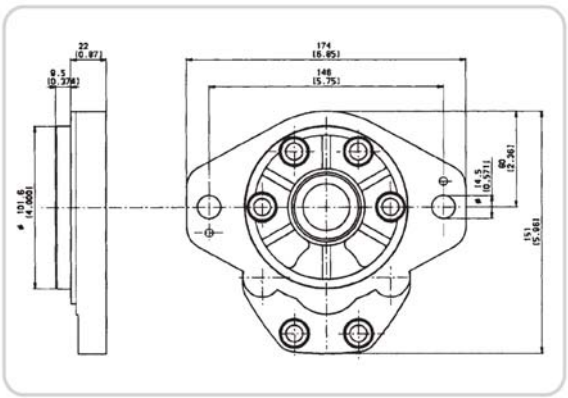
POMPES / MOTEURS À ENGRENAGES EN ALUMINIUM

Pompes multiples aussi disponibles

# ITEM	No. de pièce	Capacité @ 1800RPM GPM	Po³/Rév.	Rotation	Type / # Bolts / CC bolts Montage	Pression W.P.
9196	3PB21D-R55S3	9.74	1.250	CW	SAE / B2 Bolts / 5,75"	3600 PSI
9210	3PB21D-R87S3	9.74	1.250	CW	SAE / B2 Bolts / 5,75"	3600 PSI
9199	3PB38D-R55S3	18.29	2.360	CW	SAE / B2 Bolts / 5,75"	3600 PSI
9200	3PB46D-R55S3	22.05	2.830	CW	SAE / B2 Bolts / 5,75"	3500 PSI
9214	3PB46D-R87S3	22.05	2.830	CW	SAE / B2 Bolts / 5,75"	3500 PSI
9201	3PB55D-R55S3	25.71	3.300	CW	SAE / B2 Bolts / 5,75"	3000 PSI
9216	3PB65D-R87S3	30.00	3.850	CW	SAE / B2 Bolts / 5,75"	2900 PSI

DIMENSIONS D'ASSEMBLAGE ET VALEURS DE PRESSION ET VITESSE

TYPES			21*	27	33	38	46	55	65	75*
Cylindrée		cm^3/rev $cu.in./rev$	20.6 1.26	27 1.65	33.5 2.04	38.7 2.36	46.9 2.86	54.1 3.30	63.1 3.85	73.4 4.48
Dimension A		mm in	74 2.91	79 3.11	92 3.62	96 3.78	114 4.49	120 4.72	127 5.00	134 5.27
Dimension C		mm in	37 1.46	39.5 1.56	46 1.81	48 1.89	51 2.01	54 2.13	57.5 2.26	61 2.40
Pression d'opération	**p1**	bar psi	250 3600				245 3500	220 3190	200 2900	180 2600
Pression intermittente	**p2**	bar psi	280 4000				265 3840	240 3480	220 3140	200 2900
Pression de pointe	**p3**	bar psi	300 4300				275 3950	250 3600	240 3450	220 3190
Vitesse max. à	**p2**	rpm	3000				2750	2500		
Vitesse min.à	**p1**	rpm	600		500			400		
Poids		kg lbs	5.1 11.2	5.3 11.7	5.8 12.8	6 13.2	7 15.4	7.3 16.1	8 17.6	8.4 18.5



Cylindrées	Orifices SAE (O-Ring boss) SUCCION / PRESSION
21 à 38 cm^3	SAE 16 / SAE 12
46 à 75 cm^3	SAE 20 / SAE 16

3 P/MB GROUPE 3

CODES DE COMMANDE

3	P	B	33	D	–	P	38	P2	–	V	1	–	CP	PD2	VP	----/----

DIMENSION

FONCTION	CODES
Pump	P
Motor	M

SÉRIES

TYPES	CYLINDRÉES	
21*	20.6 cm³/rev.	1.26 cu.in/rev.
27	27 cm³/rev.	1.65 cu.in/rev.
33	33.5 cm³/rev.	2.04 cu.in/rev.
38	38.7 cm³/rev.	2.36 cu.in/rev.
46	46.9 cm³/rev.	2.86 cu.in/rev.
55	54.1 cm³/rev.	3.30 cu.in/rev.
65	63.1 cm³/rev.	3.85 cu.in/rev.
75*	73.4 cm³/rev.	4.48 cu.in/rev.

ROTATIONS	CODES
Clockwise	D
Anti-clockwise	S
Reversible	R

ORIFICES	CODES
Flanged ports european standard	P
Flanged ports german standard	B
Gas threaded ports (BSPP)	G
SAE threaded ports (ODT)	R
SAE flanged ports (UNC)	S*
SAE flanged ports (METRIC)	W*

ARBRES D'ENTRAÎNEMENT	CODES
Tang drive electric motors	05
Tapered 1:5	35
Tapered 1:8	38
Tapered 1:8 interchangeable with 3.5PC	48 (pag.11)
SAE B splined 13 T	55
SAE BB splined 13 T	56
DIN 5482 splined	63
DIN 5462 splined	66
SAE B parallel shaft Ø 22.22	87
SAE BB parallel shaft Ø 25.4	88

Setting main relief valve (bar)

Adjusted flow l/min

PD2=pre-arranged for 2PB rear (pag.19)

OPTIONS DU COUVERT	CODES
Priority flow divider with excess flow to 2 nd actuator (pag.20)	VP
Like VP with main relief valve (pag.20)	VPS

«OUTRIGGER BEARINGS»	CODE
European standard	CP

POSITION DES ORIFICES	CODE
Lateral ports standard	
Rear ports (pag. 18)	1

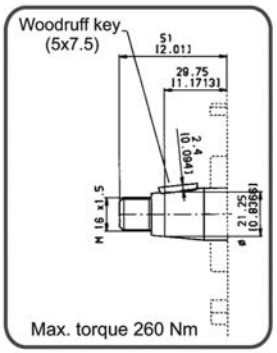
JOINTS D'ÉTANCHÉITÉ	CODE
Buna Standard	
Viton	V

MONTAGES	CODES
European standard Ø 50.8	P2
European std. interchangeable with 3.5PC Ø 60.3	P3
German standard Ø 105	B6
SAE B 2 bolts Ø 101.6	S3
4 bolts for ZF gear box Ø 80	Z1

3 P/MB GROUPE 3

DIMENSIONS DES ARBRES D'ENTRAÎNEMENT ET SÉLECTION DE MONTAGE

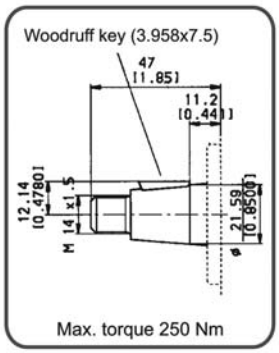
BOSCH



code 35

Tapered 1:5

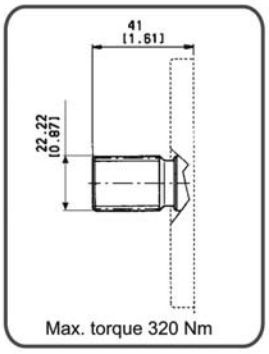
EURO



code 38

Tapered 1:8

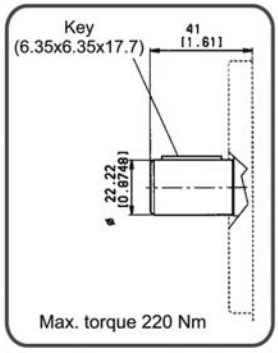
7/8 - 13 DENTS



code 55

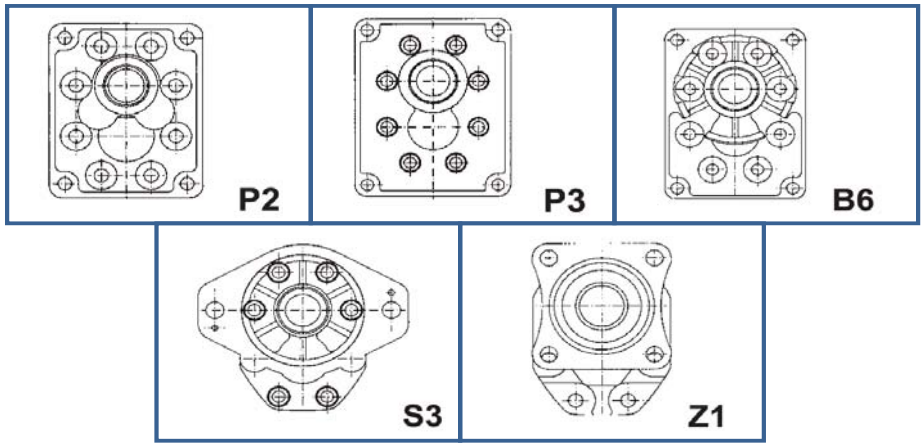
SAE B 13T-16/32DP
Ansi B92.1a 1976

7/8 - CLEF 1/4



code 87

SAE B parallel

3PB TYPES DE MONTAGE

3PB