MTE HYDRAULICS Pressure Balanced Pumps

Group .5

displacement		Max Pressure				
		P1	P2	P3	Max speed	Min speed
cc	cir	psi (bar)	psi (bar)	psi (bar)	rpm	rpm
0.8	0.049	3335 (230 bar)	3625 (250 bar)	3915 (270 bar)	6000	1000
1.1	0.067	3336 (230 bar)	3626 (250 bar)	3916 (270 bar)	6000	1000
1.3	0.079	3337 (230 bar)	3627 (250 bar)	3917 (270 bar)	6000	1000
1.6	0.098	3338 (230 bar)	3628 (250 bar)	3918 (270 bar)	6000	1000
1.8	0.110	3339 (230 bar)	3629 (250 bar)	3919 (270 bar)	6000	1000
2.1	0.128	3340 (230 bar)	3630 (250 bar)	3920 (270 bar)	6000	1000
2.7	0.165	3341 (230 bar)	3631 (250 bar)	3921 (270 bar)	6000	800
3.2	0.195	3045 (210 bar)	3335 (230 bar)	3625 (250 bar)	5000	800
3.7	0.226	3046 (210 bar)	3336 (230 bar)	3626 (250 bar)	4500	800
4.2	0.256	3047 (210 bar)	3337 (230 bar)	3627 (250 bar)	4000	800
4.8	0.293	2755 (190 bar)	3045 (210 bar)	3335 (230 bar)	3500	600
5.8	0.354	2756 (190 bar)	3046 (210 bar)	3336 (230 bar)	3000	600
7.0	0.427	2320 (160 bar)	2610 (180 bar)	2900 (200 bar)	2500	600
8.0	0.488	2321 (160 bar)	2611 (180 bar)	2901 (200 bar)	2100	600

Group 1

displacement		Max Pressure				
		P1	P2	P3	Max speed	Min speed
cc	cir	psi (bar)	psi (bar)	psi (bar)	rpm	rpm
1.4	0.085	3625 (250 bar)	3915 (270 bar)	4205 (290 bar)	6000	800
2.1	0.128	3626 (250 bar)	3915 (270 bar)	4206 (290 bar)	6000	800
2.8	0.171	3627 (250 bar)	3915 (270 bar)	4207 (290 bar)	5000	800
3.5	0.214	3628 (250 bar)	3916 (270 bar)	4208 (290 bar)	5000	800
4.1	0.250	3629 (250 bar)	3917 (270 bar)	4209 (290 bar)	4000	800
5.2	0.317	3335 (230 bar)	3553 (245 bar)	3770 (260 bar)	4000	800
6.2	0.378	3335 (230 bar)	3554 (245 bar)	3771 (260 bar)	3800	800
7.6	0.464	2900 (200 bar)	3118 (215 bar)	3335 (230 bar)	3200	600
9.3	0.567	2610 (180 bar)	2828 (195 bar)	3045 (210 bar)	2600	600
11.0	0.671	2465 (170 bar)	2683 (185 bar)	2900 (200 bar)	2200	600
13.8	0.842	2175 (150 bar)	2393 (165 bar)	2610 (180 bar)	1800	600

Group 2.0

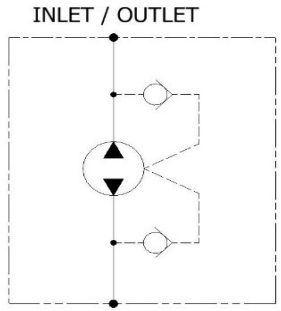
displacement		Max Pressure				
		P1	P2	P3	Max speed	Min speed
cc	cir	psi (bar)	psi (bar)	psi (bar)	rpm	rpm
3	0.183	3915 (270 bar)	4133 (285 bar)	4350 (300bar)	4000	800
4	0.244	3916 (270 bar)	4134 (285 bar)	4351 (300bar)	4000	600
6	0.366	3917 (270 bar)	4135 (285 bar)	4352 (300bar)	4000	600
8	0.488	3918 (270 bar)	4136 (285 bar)	4353 (300bar)	4000	500
10	0.610	3919 (270 bar)	4137 (285 bar)	4354 (300bar)	4000	500
12	0.732	3920 (270 bar)	4138 (285 bar)	4355 (300bar)	4000	500
14	0.854	3625 (250 bar)	3843 (265 bar)	4060 (280 bar)	4000	500
16	0.976	3626 (250 bar)	3844 (265 bar)	4061 (280 bar)	4000	500
18	1.098	3627 (250 bar)	3845 (265 bar)	4062 (280 bar)	3600	400
20	1.220	3190 (220 bar)	3408 (235 bar)	3625 (250 bar)	3200	400
22	1.342	3191 (220 bar)	3409 (235 bar)	3625 (250 bar)	3000	400
25	1.525	2900 (200 bar)	3118 (215 bar)	3335 (230 bar)	3000	400
28	1.708	2610 (180 bar)	2755 (190 bar)	2900 (200 bar)	2500	400
30	1.830	2320 (160 bar)	2465 (170 bar)	2610 (180 bar)	2500	400

Group 3.0

displacement		Max Pressure				
		P1	P2	P3	Max speed	Min speed
cc	cir	psi (bar)	psi (bar)	psi (bar)	rpm	rpm
20	1.220	3625 (250 bar)	3841 (265 bar)	4060 (280 bar)	3500	600
22	1.342	3625 (250 bar)	3842 (265 bar)	4061 (280 bar)	3500	600
26	1.586	3625 (250 bar)	3843 (265 bar)	4062 (280 bar)	3000	600
33	2.013	3335 (230 bar)	3625 (250 bar)	3915 (270 bar)	3000	500
39	2.379	3335 (230 bar)	3625 (250 bar)	3915 (270 bar)	3000	500
46	2.806	3335 (230 bar)	3625 (250 bar)	3915 (270 bar)	3000	500
50	3.050	3190 (220 bar)	3480 240 bar)	3770 (260 bar)	3000	500
52	3.172	3190 (220 bar)	3481 240 bar)	3771 (260 bar)	3000	500
55	3.355	2900 (200 bar)	3335 (230 bar)	3625 (250 bar)	2800	400
63	3.843	2900 (200 bar)	3335 (230 bar)	3625 (250 bar)	2800	400
71	4.331	2610 (180 bar)	2900 (200 bar)	3190 (220 bar)	2500	400

Ordering Information

Group Number: _____ Discplacement: _____



HYDRAULIC SCHEMATIC

Are there Drawings/Schematics available _____

Operating Pressure: _____ time on _____ time off _____

Type of hydraulic fluid: _____ Fluid conditions: _____

How is pump driven? _____

Displacement: 1st section: _____

Port sizes and locations: _____ Mtg flange type,size: _____

Shaft desciption(type,size) _____ Rotation direction: _____

Mounting requirements _____

Cylinder information: Stroke _____ Rod _____ Bore _____

No. of units required: _____ ☐ Mo ☐ Yr ☐ Prototype required

Target Price: _____ Target Customer _____

Additional Information _____