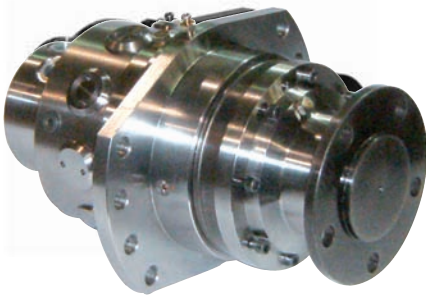


WHEEL MOTOR W SERIES TECHNICAL CATALOGUE

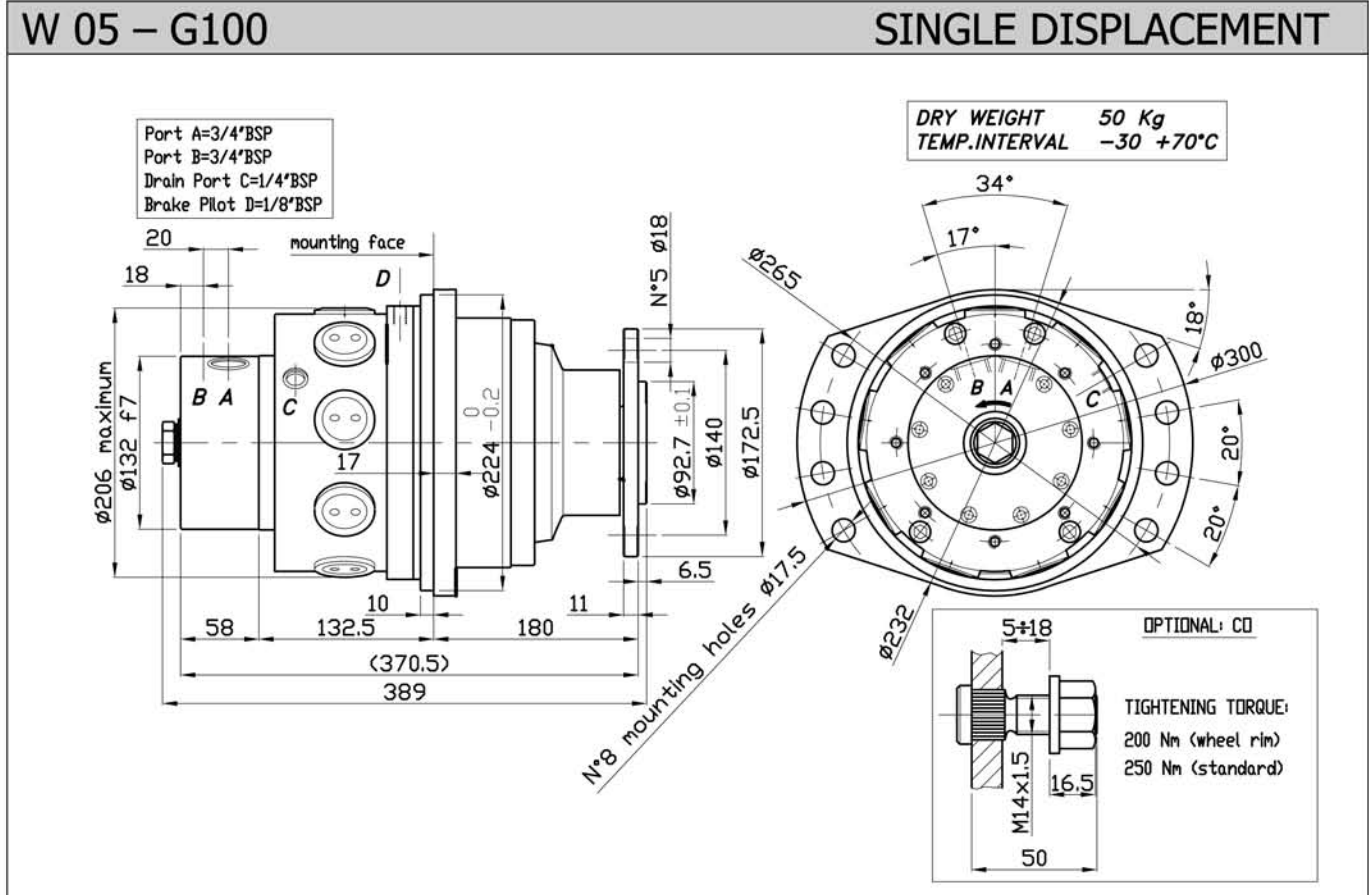


W 05

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SIZE



TECHNICAL DATA

W 05 – G100 **SINGLE DISPLACEMENT**

Gear code	Gear ratio	Motor displacement cc/Rev	Output torque		Working pressure		Total displacement cc/Rev	Max output speed Rpm	Max freewheeling speed (*) Rpm	Max power	
			Nm (cont)	Nm (max)	continuous	maximum				bar	bar
1	1:3.55	101.6	1400	1970	250	350	361	620	560	60	82
2	1:4.28	101.6	1680	2350	250	350	432	520	470	60	82
3	1:5.6	101.6	2250	3100	250	350	565	390	360	60	82
4	1:6.75	101.6	2700	3800	250	350	681	325	300	60	82

Brake technical data

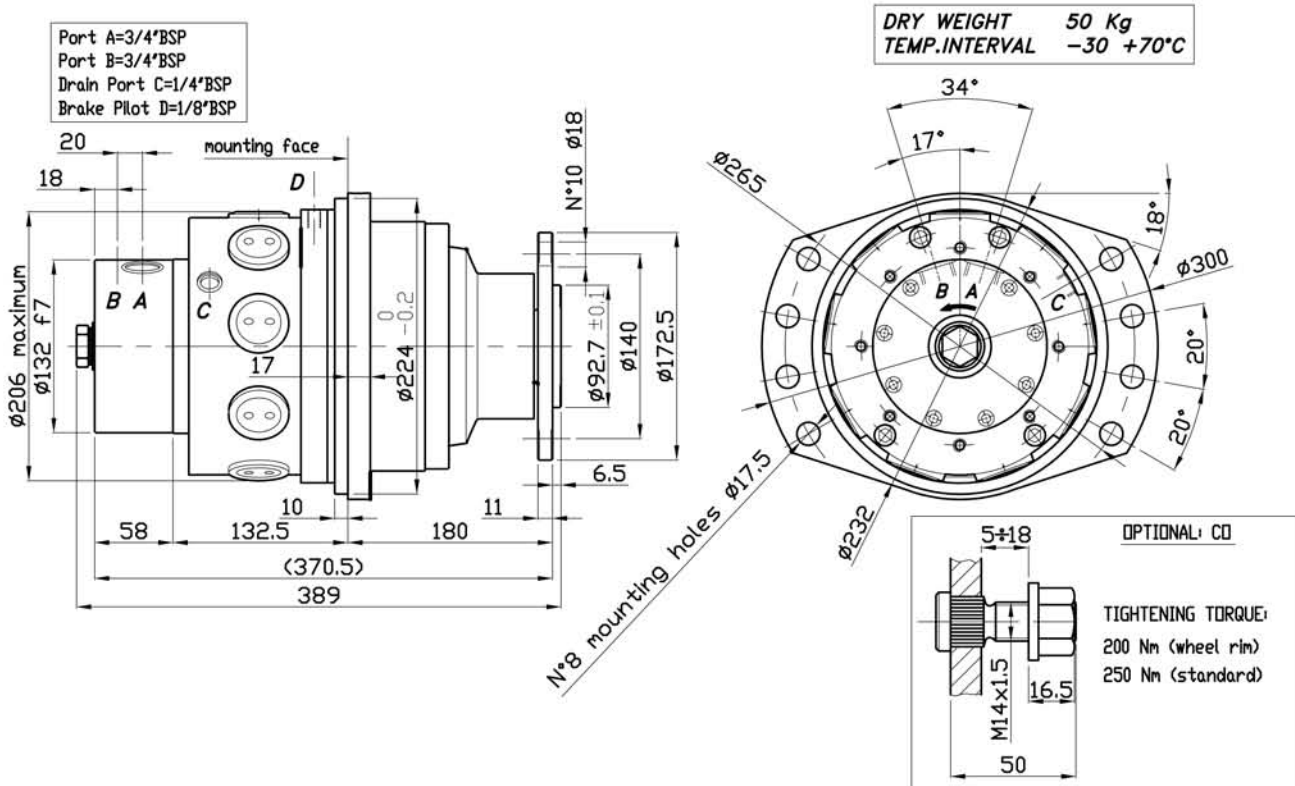
Oil quantity gear unit [l]	Gear code	max braking torque [Nm]	release pressure [bar]	max pressure [bar]
0.32	1	1850	13	350
0.32	2	2250	13	350
0.32	3	2900	13	350
0.8	4	3500	13	350

(*) for the hydraulic circuit, please refer to freewheeling application (pag. 6)

SIZE

W 05 – GD100

DUAL DISPLACEMENT



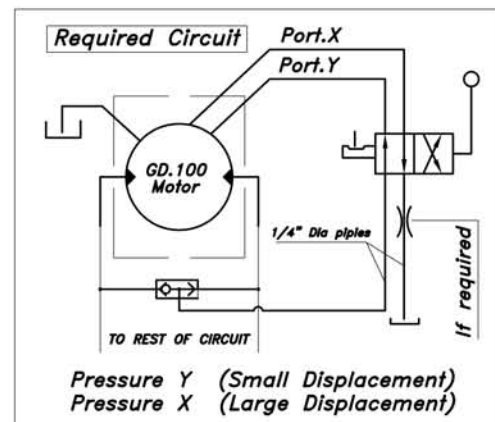
W 05 – GD100

DUAL DISPLACEMENT

NOTES

Displacement change system is realized **HYDRAULICALLY** & requires system pressure for operation
 One port must be pressurised continuously to maintain given capacity, other port is connected to drain

Displacement change required Circuit



(*) for the hydraulic circuit, please refer to freewheeling application (pag. 6)

W05 - GD 100

TECHNICAL DATA

The W05 - GD100 it is a dual displacement wheel motor. The user can choose between two displacements. In the bottom of the page the technical wheel motor technical characteristics are shown, both for the maximum and minimum motor displacement. For closed loop circuit applications please contact ItalgrouP technical department.

Displacement change during the motor functioning

The user can choose between two displacements, acting on the hydraulic circuit. When the X port is at high pressure (system pressure) and the Y port is at low pressure (drain pressure), the motor functions at the maximum displacement, otherwise, when the Y port is at high pressure (system pressure) and the X port is at low pressure (drain pressure), the motor functions at the minimum displacement. When the X and Y ports are at low pressure the motor automatically switch in the maximum displacement.

Maximum displacement technical data

Gear code	Gear ratio	Motor displacement cc/Rev	Output torque		Working pressure		Total displacement cc/Rev	Max output speed Rpm	Max freewheeling speed (*) Rpm	Max power	
			Nm (cont)	Nm (max)	continuos bar	maximum bar				kW	HP
1	1:3.55	101.6	1400	1970	250	350	361	620	560	60	82
2	1:4.28	101.6	1680	2350	250	350	432	520	470	60	82
3	1:5.6	101.6	2250	3100	250	350	565	390	360	60	82
4	1:6.75	101.6	2700	3800	250	350	681	325	300	60	82

Minimum displacement technical data

Gear code	Gear ratio	Motor displacement cc/Rev	Output torque		Working pressure		Total displacement cc/Rev	Max output speed Rpm	Max freewheeling speed (*) Rpm	Max power	
			Nm (cont)	Nm (max)	continuos bar	maximum bar				kW	HP
1	1:3.55	50.9	700	985	250	350	180	670	560	23	32
2	1:4.28	50.9	840	1175	250	350	216	560	470	23	32
3	1:5.6	50.9	970	1410	220	320	283	430	360	23	32
4	1:6.75	50.9	1060	1700	200	320	341	355	300	23	32

(*) for the hydraulic circuit, please refer to page 6 (Freewheeling operation).

Brake technical data

Oil quantity gear unit	[l]
NB	0.32
PB	0.32
WB	0.8

Gear code	max braking torque [Nm]	release pressure [bar]	max pressure [bar]
1	1850	13	350
2	2250	13	350
3	2900	13	350
4	3500	13	350

NOTES

Displacement change system is realized HYDRAULICALLY & requires system pressure for operation
One port must be pressurised continuously to maintain given capacity, other port is connected to drain

Displacement change required Circuit

