

Worm Drive Performance Data		
Output Speed (Intermittent)	0.99 rpm	
Output Torque (Max.)	10483.2 N.m	7736.6 lbf.ft
Tilting Moment Torque (Max.)	135.6 kN.m	100×10^3 lbf.ft
Holding Torque	72.3 kN.m	53.4×10^3 lbf.ft
Axial Load (Max.)	1110 kN	250×10^3 lbf
Radial Load (Max.)	414 kN	93.2×10^3 lbf
Ratio of Worm Gear	104:1	
Backlash	$\leq 0.1^\circ$	
Hydraulic Motor Performance Data		
Pressure	10.4 MPa	
Flow	23 L/min	

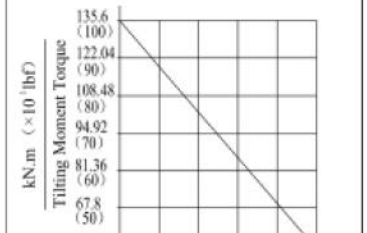
Hydraulic Motor Performance Data

WR200 [198cm³/rev.]

Pressure (MPa)	Flow (L/min)										
	1.7	3.5	6.9	8.6	10.4	12.1	13.8	15.5	17.2	19	20.7
2	38	87	172	201	244	295	328				
4	47	103	164	201	244	295	328				
8	46	96	192	241	286	330	372	417	428		
15	44	95	194	241	286	333	376	419	461	498	544
23	40	92	192	240	288	333	375	421	461	505	544
30	33	87	187	236	284	330	374	421	462	504	542
38	23	80	180	230	278	325	371	415	459	498	540
45	192	190	185	182	177	172	167	160	154	146	140
53	21	73	173	223	271	318	364	409	453	491	533
61	227	226	221	219	212	207	201	194	186	179	174
68	10	64	165	214	262	309	356	400	444	483	525
76	268	266	260	256	251	245	240	233	227	217	210
continue (max.)	55	155	204	253	300	346	391	434	472	514	544
intermittent (max.)	308	300	298	291	286	279	271	264	255	248	248
	46	143	191	240	287	332	377	420	457	484	484
	343	332	330	322	316	310	302	296	286	276	276
	30	130	179	227	275	321	365	409	430	468	468
	384	374	367	363	355	349	343	333	324	314	314

MOMENT LOAD CHART

Axial Load & Tilting Moment



226.7 453.5 680.3 907.1 1133.9
(50.9)(101.9)(152.9)(203.9)(254.9)
kN ($\times 10^3$ lbf)
Axial Load

Flow (L/min)	Pressure (MPa)										
	1.7	3.5	6.9	8.6	10.4	12.1	13.8	15.5	17.2	19	20.7
2	38	87	172	201	244	295	328				
4	47	103	164	201	244	295	328				
8	46	96	192	241	286	330	372	417	428		
15	44	95	194	241	286	333	376	419	461	498	544
23	40	92	192	240	288	333	375	421	461	505	544
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	343	332	330	322	316	310	302	296	286	276	276
	30	130	179	227	275	321	365	409	430	468	468
	384	374	367	363	355	349	343	333	324	314	314

Torque (N.m) 374
Speed (rpm) 162

Note: Side A facing up when mounted.

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REV	DATE	REVISER	DESCRIPTION		
DESIGNED BY	LWH	29-04-2014	Eurograb Aanbouwdelen		
CHECKED BY	XZL	29-04-2014			
APPROVED BY	Andy	29-04-2014			
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				1:4.5	WORM DRIVE
			SIZE	A3	Model No.
			SHEET	1 / 1	WEA17
SYMBOLS ISO					Part No.
					104-HR-WR200-D
					Rev
					C

