

Data sheet

Sheet No.: BHHM 1.01 Rev. B

Date: September 2011

BHH Series

Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

Double-Acting BHH Series

Actuator Model	Stroke Position	Operating Pressure (Bar)								
		35	50	70	90	105	120	135	170	207
		Hydraulic Torque Output (Nm)								
BHH125	Start/End/Minimum	32	46	65	83	97	111	125	157	192
BHH250	Start/End/Minimum	65	92	129	166	194	222	250	314	383
BHH500	Start/End/ Minimum	129	185	259	333	388	444	500	629	766
BHH1000	Start/End/ Minimum	222	370	518	666	777	888	1000	1259	1533
BHH2000	Start/End/ Minimum	518	740	1037	1333	1555	1777	2000	2518	3066
BHH4000	Start/End/ Minimum	1037	1481	2074	2666	3111	3555	4000	5037	6133
BHH8000	Start/End/ Minimum	2074	2962	4148	5333	6222	7111	8000	10074	12266
BHH16000	Start/End/ Minimum	4148	5925	8296	10666	12444	14222	16000	20148	24533

Single-Acting BHH Series

Actuator Model	Spring Torque (Nm) Start/Min./End		Operating Pressure (Bar)								
			35	50	70	90	105	120	135	170	207
		Hydraulic Torque Output (Nm)									
BHHF 125-SR1	Start	38			26	45	59	73	87		
	Min.	30			15	24	47	61	75		
	End	21			3	22	36	50	64		
BHHF 125 - SR2	Start	62				46	60	74	88	120	155
	Min.	46				26	40	54	68	100	134
	End	30				5	19	33	47	79	114
BHHF 250-SR1	Start	70			48	85	113	141	168		
	Min.	59			35	73	100	128	156		
	End	47			23	60	88	116	143		
BHHF 250 - SR2	Start	153					94	122	150	210	283
	Min.	101					45	73	101	166	234
	End	65					-4	24	52	117	185
BHHF 500-SR1	Start	149			107	181	237	292	348		
	Min.	126			81	155	211	266	322		
	End	102			55	129	185	240	296		
Actuator Model	Spring Torque (in-lbs) Start/Min./End		Hydraulic Torque Output (Nm)								
			35	50	70	90	105	120	135	170	207
		Operating Pressure (Bar)									

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Data sheet

Sheet No.: BHHM 1.02 Rev. B

Date: September 2011

BHH Series

Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

Single-Acting BHH Series (cont.)

Actuator Model	Spring Torque (Nm) Start/Min./End		Operating Pressure (Bar)								
			35	50	70	90	105	120	135	170	207
			Hydraulic Torque Output (Nm)								
BHHF 500 - SR2	Start	292					190	245	301	431	568
	Min.	216					108	164	220	349	486
	End	140					27	82	138	268	405
BHHF 1000-SR1	Start	316			217	365	475	587	699		
	Min.	262			158	307	418	529	640		
	End	208			100	248	359	470	581		
BHHF 1000 - SR2	Start	607				315	246	537	648	907	1181
	Min.	457				170	281	392	503	762	1036
	End	320				25	136	247	358	617	817
BHHF 2000-SR1	Start	631			432	728	950	1172	1395		
	Min.	506			323	620	842	1064	1286		
	End	380			215	511	733	955	1178		
BHHF 2000-SR2	Start	1008				543	766	988	1210	1729	2777
	Min.	824				317	540	762	984	1503	2051
	End	605				91	314	536	758	1277	1825
BHHF 4000-SR1	Start	1258			945	1538	1982	2427	2871		
	Min.	1032			700	1293	1737	2182	2626		
	End	805			455	1048	1492	1937	2381		
BHHF 4000 - SR2	Start	2550					1511	1956	2400	3437	4533
	Min.	1925					786	1231	1675	2712	3808
	End	1350					61	506	950	1987	3083
BHHF 8000 - SR2	Start	4800					3022	3911	4800	6874	9067
	Min.	3600					1822	2711	3600	5674	7867
	End	2400					622	1211	2400	4474	6667
BHHF 16000 - SR2	Start	8300					6044	7822	9600	13748	18133
	Min.	6550					3644	5422	7200	11348	15733
	End	4800					1244	3022	4800	8948	13333
Actuator Model	Spring Torque (in-lbs) Start/Min./End		Hydraulic Torque Output (Nm)								
			35	50	70	90	105	120	135	170	207
			Operating Pressure (Bar)								

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