

Comparison

May 2012	K	Unit	HMF		Palfinger		HIAB	
Model comparison			HMF 4020-K	HMF 5020-K	PK40002 EH	PK 50002-EH	XS422-HiPro	XS477-Duo
kg/tm			95	86	101	98	106	
Loading group			H1-B3	H1-B3	H1-B3	H1-B3	H1-(B2/B3)	H1-(B2/B3)
Max. hydr. extensions			8	8		8	8	8
Over-bending		[°]	15	15	15	15	0	0
Load moment (std. K2)		[tm]	38,0	47,7	38,1	46,3	40.3	
Load moment (std. K8)		[tm]	33,7	42,4	34,2	42,3		
Tare weight (std. K2) (incl. stabilizers)		[kg]	3.620	4.110	3.850	4.145	4.270	
Weight of stabilizers, (the shortest)		[kg]	470	500			630	630
Stabilizer spread, standard		[mm]	5.55	5.55	7400	7400	6500	6500
Max. stabilizer spread		[mm]	7.77	7.77	7416	7810	7000/8000	7000/8000
Height above chassis		[mm]	2384	2395	2.430	2.430	2404/2490	2404/2503
Length of crane K2 (excl. extra valves)		[mm]	1148	1198	1320	1330	1471	1471
Length of crane K8 (K5/6) (excl. extra valves)		[mm]	1192	1290	1455	1480	1493	1493
Width (standard K2)		[mm]	2518	2518	2510	2510	2500	2500
Slewing area		[°]	∞	∞	∞	∞	400	400
Slewing torque 1		[tm]	4.00	5.00	3.8	4.00		
Slewing torque 2		[tm]	4.00	5.00	5,00	5.5		
Hydr. reach (max. K version)		[m]	21.3	21.45	21.00	21.00	20.8	20.8
H1 1.5 m at K2		[m]	2.84	2.88	2.83	3.21	2	
Link arm on column/jib			Y/Y	Y/Y	Y/Y	Y/Y	Y/Y	Y/Y
Fly-Jib (K version, crane)			5-6	6-7	4-5-6-7	4-5-6-7	4-5-6-7	
Winch		[kg]	2.5 and 3.5	2.5 and 3.5	2.5/3.5 t	2.5/3.5 t	??	??
Suspension traverse or fixed mounting			Fixed	Fixed	Susp. trav.	Susp. trav.	Susp. trav.	Susp. trav.
Working pressure		[bar]	365	365	350	350	350	
Danfoss/Nordhydraulik			DanfossRC	DanfossRC	DanfossRC	DanfossRC	V91	V80
Load moment, extensions retracted	K2	[tm]	38,0	47,7	38,1	46,3	40,1	
	K3	[tm]	37,0	46,2	37,3	46,2	39,7	
	K4	[tm]	35,9	45,9	36,5	45,4	38,7	
	K5	[tm]	34,8	44,7	36,1	44,3	38,2	38,3
	K6	[tm]	34,8	43,6	35,2	43,6	37,2	
	K7	[tm]	33,9	43,4	34,7	43,2	36,8	

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kg/tm			95	86	101	98	106	
	K8	[tm]	33,7	42,4	34,2	42,3	36,0	
	K9	[tm]					...	
Hydraulic reach (max. moment)	K2	[m]	8.1	8.2	7.6	7.5	8.4	
	K3	[m]	10.1	10.2	9.5	9.6	11.0	
	K4	[m]	12.2	12.3	11.6	11.7	13.2	
	K5	[m]	14.35	14.4	13.9	14.0	15.4	15.4
	K6	[m]	16.6	16.6	16.3	16.3	16.5	16.5
	K7	[m]	18.95	18.9	18.6	18.6	18.7	
	K8	[m]	21.3	21.15	20.8	20.9	20.8	20.8
	K9	[m]			
Max. lifting capacity, hydr. extensions retracted	K2	[kg]	8.630	10.360				
	K3	[kg]	8.230	10.050				
	K4	[kg]	7.970	9.770				
	K5	[kg]	7.740	9.510				
	K6	[kg]	7.560	9.270				
	K7	[kg]	7.360	9.040				
	K8	[kg]	7.180	8.840				
	K9	[kg]						
Reach, hydr. extensions retracted	K2	[m]	4,40	4,60				
	K3	[m]	4,50	4,60				
	K4	[m]	4,50	4,70				
	K5	[m]	4,50	4,70				
	K6	[m]	4,60	4,70				
	K7	[m]	4,60	4,80				
	K8	[m]	4,70	4,80				
	K9	[m]						
Lifting capacity at max. hydr. reach	K2	[kg]	4.640	4.570	5.100	6.200	4.800	
	K3	[kg]	3.450	4.170	3.900	4.750	3.500	
	K4	[kg]	2.670	3.250	3.000	3.700	2.760	
	K5	[kg]	2.080	2.550	2.300	2.900	2.240	

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kg/tm			95	86	101	98	106	
	K6	[kg]	1.640	2.010	1.780	2.300	1.840	
	K7	[kg]	1.290	1.620	1.400	1.840	1.480	
	K8	[kg]	1.010	1.300	1.100	1.480	1.200	
	K9	[kg]			
Load moment at max. extension	K2	[tm]	37,6	37,5	38,8	46,5	40,3	
	K3	[tm]	34,8	42,5	37,1	45,6	38,5	
	K4	[tm]	32,6	40	34,8	43,3	36,4	
	K5	[tm]	29,8	36,7	32,0	40,6	34,5	
	K6	[tm]	27,2	33,4	29,0	37,5	30,4	
	K7	[tm]	24,4	30,6	26,0	34,2	27,7	
	K8	[tm]	21,5	27,5	22,9	30,9	25	
	K9	[tm]						
Kg/tm max. extension	K2	[m]	96	110	99	89		
	K3	[m]	111	104	111	97		
	K4	[m]	127	117	125	108		
	K5	[m]	147	134	145	123		
	K6	[m]	167	153	168	139		
	K7	[m]	193	173	194	159		
	K8	[m]	227	199	228	181		
	K9	[m]						
Tare weight of standard crane (incl. stabilizers)	K2	[kg]	3.620	4.110	3.850	4.145		
	K3	[kg]	3.880	4.400	4.100	4.410		
	K4	[kg]	4.130	4.670	4.350	4.685		
	K5	[kg]	4.370	4.920	4.650	5.000		
	K6	[kg]	4.550	5.120	4.860	5.225		
	K7	[kg]	4.710	5.300	5.045	5.425		
	K8	[kg]	4.870	5.475	5.215	5.605		