



# STEERING UNITS

# STEERING UNITS

## HKU - STANDARD SERIES

HKU	Circuit	Displacement in <sup>3</sup> /rev (cm <sup>3</sup> /rev)	Rated pressure psi (bar)
HKU40/7	CC, NLR	2,42 (39,6)	1810 (125)
HKU40/3,4	OC, LR or NLR		2030 (140)
HKU40/5T	CC, NRSS		1810 (125)
HKU40/4PB	OC, NLR, PB		1813 (125)
HKU50/3,4,7	OC or CC, LR or NLR	3 (49,5)	2030 (140)
HKU50/5T	CC, NRSS		2175 (150)
HKU50/4PB	OC, NLR, PB		1813 (125)
HKU63/3,4,7	OC or CC, LR or NLR	4 (65,6)	2465 (170)
HKU63/5T	CC, NRSS		2540 (175)
HKU63/4PB	OC, NLR, PB		1813 (125)
HKU80/3,4,7	OC or CC, LR or NLR	4,83 (79,2)	2465 (170)
HKU80/5T	CC, NRSS		2540 (175)
HKU80/4PB	OC, NLR, PB		1813 (125)
HKU100/3,4,7	OC or CC, LR or NLR		2465 (170)
HKU100/5T	CC, NRSS	6,04 (99)	2540 (175)
HKU100/4PB	OC, NLR, PB		1813 (125)
HKU125/3,4,7	OC or CC, LR or NLR	7,56 (123,8)	2465 (170)
HKU125/5T	CC, NRSS		2540 (175)
HKU125/4PB	OC, NLR, PB		1813 (125)
HKU160/3,4,7	OC or CC, LR or NLR	9,67 (158,4)	2465 (170)
HKU160/5T	CC, NRSS		2540 (175)
HKU200/3,4,7	OC or CC, LR or NLR	12,1 (198)	2465 (170)
HKU200/5T	CC, NRSS		2540 (175)
HKU250/3,4,7	OC or CC, LR or NLR	15,1 (247,5)	2465 (170)
HKU250/5T	CC, NRSS		2540 (175)
HKU320/3,4,7	OC or CC, LR or NLR	19,3 (316,8)	2465 (170)
HKU320/5T	CC, NRSS		2540 (175)
HKU400/3,4,7	OC or CC, LR or NLR	24,2 (396)	2465 (170)
HKU400/5T	CC, NRSS		2540 (175)
HKU500/4,7	OC or CC, NLR	30,2 (495)	2465 (170)
HKU500/5T	CC, NRSS		2540 (175)
HKU630/4,7	OC or CC, NLR	38,05 (623,6)	2030 (140)
HKU630/5T	CC, NRSS		2540 (175)
HKU800/4,7	OC or CC, NLR	48,4 (793)	2030 (140)
HKU1000/4	OC, NLR	60,4 (990)	1450 (100)



## STEERING UNITS

### HKUS - STANDARD SERIES WITH VALVES

HKUS	Circuit	Displacement in <sup>3</sup> /rev (cm <sup>3</sup> /rev)	Rated pressure psi (bar)
HKUS40/3,4,8	OC, LR or NLR	2,42 (39,6)	2030 (140)
HKUS40/5T, 5TE	CC, NRSS		1810 (125)
HKUS50/3,4,8	OC, LR or NLR	3 (49,5)	2465 (170)
HKUS50/5T, 5TE, 5RDT	CC, NRSS or LR		2175 (150)
HKUS63/3,4,8	OC, LR or NLR	4 (65,6)	2465 (170)
HKUS63/5T, 5TE, 5RDT	CC, NRSS		2540 (175)
HKUS80/3,4,8	OC, LR or NLR	4,83 (79,2)	2465 (170)
HKUS80/5T, 5TE, 5RDT	CC, NRSS		2540 (175)
HKUS100/3,4,8	OC, LR or NLR	6,04 (99)	2465 (170)
HKUS100/5T, 5TE, 5RDT	CC, NRSS		2540 (175)
HKUS125/3,4,8	OC, LR or NLR	7,56 (123,8)	2465 (170)
HKUS125/5T, 5TE, 5RDT	CC, NRSS		2540 (175)
HKUS160/3,4,8	OC, LR or NLR	9,67 (158,4)	2465 (170)
HKUS160/5T, 5TE, 5RDT	CC, NRSS		2540 (175)
HKUS200/3,4,8	OC, LR or NLR	12,1 (198)	2465 (170)
HKUS200/5T, 5TE, 5RDT	CC, NRSS		2540 (175)
HKUS250/3,4,8	OC, LR or NLR	15,1 (247,5)	2465 (170)
HKUS250/5T, 5TE	CC, NRSS		2540 (175)
HKUS320/3,4,8	OC, LR or NLR	19,3 (316,8)	2465 (170)
HKUS320/5T, 5TE	CC, NRSS		2540 (175)
HKUS400/3,4,8	OC, LR or NLR	24,2 (396)	2465 (170)
HKUS400/5T, 5TE	CC, NRSS		2540 (175)
HKUS500/3,4,8	OC, LR or NLR	30,2 (495)	2465 (170)
HKUS500/5T, 5TE	CC, NRSS		2540 (175)
HKUS630/5T, 5TE	CC, NRSS	38,05 (623,6)	2540 (175)



## STEERING UNITS

### HKUL - LARGE SERIES

HKUL	Circuit	Displacement in <sup>3</sup> /rev (cm <sup>3</sup> /rev)	Rated pressure psi (bar)
HKUL..500/5DT	CC, NR	30,2 (495)	2540 (175)
HKUL..630/5DT	CC, NR	38,05 (623,6)	2540 (175)
HKUL..800/5DT	CC, NR	48,4 (793)	2540 (175)
HKUL..1000/5DT	CC, NR	60,4 (990)	2540 (175)



## STEERING UNITS

### HKUM - COMPACT SERIES

HKUM	Circuit	Displacement in <sup>3</sup> /rev (cm <sup>3</sup> /rev)	Rated pressure psi (bar)
HKUM32/4(PB)	OC, NLR	1,94 (31,8)	1810 (125)
HKUM40/4(PB)	OC, NLR	2,44 (40)	1810 (125)
HKUM50/4(PB)	OC, NLR	3,05 (50)	1810 (125)
HKUM63/4(PB)	OC, NLR	3,84 (63)	1810 (125)
HKUM70/4(PB)	OC, NLR	4,27 (70)	1810 (125)
HKUM80/4(PB)	OC, NLR	4,88 (80)	1810 (125)
HKUM100/4(PB)	OC, NLR	6,1 (100)	1810 (125)



## STEERING UNITS

### HKUQ - STANDARD SERIES WITH SERVO-AMPLIFIED MODE

HKUQ	Circuit	Displacement without servo-amplifying in <sup>3</sup> /rev (cm <sup>3</sup> /rev)	Displacement with servo-amplifying in <sup>3</sup> /rev (cm <sup>3</sup> /rev)	Rated pressure psi (bar)
HKUQ80/4	OC, NLR	4,83 (79,2)	6,1; 7,62; 9,76; 12,2 (100; 125; 160; 200)	2465 (170)
HKUQ100/4	OC, NLR	6,04 (99)	7,62; 9,76; 12,2; 15,25 (125; 160; 200; 250)	2465 (170)
HKUQ125/4	OC, NLR	7,56 (123,8)	9,76; 12,2; 15,25; 19,52 (160; 200; 250; 320)	2465 (170)
HKUQ160/4	OC, NLR	9,67 (158,4)	12,2; 15,25; 19,52; 24,4 (200; 250; 320; 400)	2465 (170)
HKUQ200/4	OC, NLR	12,08 (198)	15,25; 19,52; 24,4; 30,5 (250; 320; 400; 500)	2465 (170)



## STEERING UNITS

### MODULAR BLOCK VALVES - BKH

BKH	Rated flow USgpm (lpm)	Rated pressure psi (bar)
BKH1, BKH2, BKH3, BKH4, BKH5, BKHR	21,1 (80)	2320 (160)



### PRIORITY VALVES - PR

PR	Rated flow USgpm (lpm)	Rated pressure psi (bar)
PRD(D)40, PRT(D)40, PRTA(D)40	10,6 (40)	3625 (250)
PRD(D)80, PRT(D)80, PRTA(D)80	21,2 (80)	3625 (250)
PRT120(D)E	31,7 (120)	3625 (250)
PRT160(D)E	42,3 (160)	5076 (350)



## STEERING UNITS

### FLOW AMPLIFIERS - HSFA

HSFA	Displacement of steering unit in <sup>3</sup> /rev (cm <sup>3</sup> /rev)	Displacement of flow amplifier in <sup>3</sup> /rev (cm <sup>3</sup> /rev)	Maximum pressure psi (bar)
HSFA80/640	4,88 (80)	39,06 (640)	3045 (210)
HSFA100/800	6,1 (100)	48,82 (800)	3045 (210)
HSFA125/1000	7,63 (125)	61,02 (1000)	3045 (210)
HSFA160/1280	9,76 (160)	78,11 (1280)	3045 (210)
HSFA200/1600	12,2 (200)	97,64 (1600)	3045 (210)
HSFA250/2000	15,26 (250)	122,05 (2000)	3045 (210)



### STEERING COLUMNS - KK

KK	Maximum torque applied to the steering wheel lb·in (daNm)	Maximum bending moment lb·in (daNm)	Maximum axial load lb (daN)
KK**	2124 (24)	1770 (20)	225 (100)

