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Manual # 99906203

1244/1444/1643 Technical Specifications

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Table of Contents

Section - 1	1
1244 / 1444 / 1643 Specifications	2
1244 / 1444 / 1643 Specifications - Continued	3
1244 / 1444 / 1643 Metric Specifications	4
Section - 2	7
1244 Z1 Lifting Capacity Chart,	8
1444 Z2 Lifting Capacity Chart, K3	10
1643 Z2 Lifting Capacity Chart, K4	11
Section - 3	13
1244 Z Dimension Specifications.....	14
1444 / 1643 Z2 Dimension Specifications.....	15
1244 / 1444 / 1643 Swing Clearance Specifications.....	16
1244 / 1444 / 1643 ZC Dimension Specifications	17
1244 / 1444 / 1643 Dimension Sketch-Cylinders.....	18
1244 / 1444 / 1643 Center of Gravity.....	19
Section - 4	21
1244 / 1444 / 1643-C-base 1-circuit, fixed-low pump	22
1244 / 1444 / 1643-Standard base, 1-circuit, fixed- flow pump.....	23
1244 / 1444 / 1643- Standard base, 2-circuit, fixed-flow pump.....	24
1244 / 1444 / 1643- Danfoss, 1-circuit, fixed-flow pump.....	25
1244 / 1444 / 1643- Danfoss, 1-circuit, variable flow pump	26
1244 / 1444 / 1643- Danfoss, TS, 1-curcuit, fixed-flow pump	27
1244 / 1444 / 1643- Danfoss TS, 1-circuit, variable flow pump	28
1244 / 1444 / 1643- Danfoss TS, 2-circuit, fixed-flow pump	29
1244 / 1444 / 1643- Danfoss and Nordhydraulic, 2-circuit, fixed-flow pump.....	30
1244 / 1444 / 1643- Nordhydraulic, 1-circuit, fixed-flow pump.....	31
Revisions	32

1244 / 1444 / 1643
Technical Specifications

Section - 1

1244 / 1444 / 1643 Specifications

Performance	Unit	1244-Z1	1244-Z2	1444-Z2	1643-Z2
Loading group		B4	B4	B4	B3
Load moment	ft-lb	77234	74347	98889	111160
Hydraulic reach	ft	22'5"	33'9"	44'11"	50'6"
Hydraulic telescopic movement	ft	5'2"	10'6"	10'6"	10'6"
Lifting capacity, hydraulic	lb-ft	4695 - 15'6"	4565 - 16'0"	6261 - 15'9"	7054 - 15'9"
		3595 - 21'3"	3360 - 21'3"	4651 - 20'8"	5246 - 20'8"
			2690 - 26'6"	3571 - 26'3"	4012 - 26'3"
Slewing torque	ft-lb	17359			
Slewing angle	°	400	400	400	400
Max. heel at max. load moment	°	7	7	7	7
Slewing speed	°/s	30	30	30	30

Dimensions	Unit	1244-Z1	1244-Z2	1444-Z2	1643-Z2
Height above chassis, parked in body (min)	in	87	87	87	87
Height above chassis, folded (no grab)	in	89	90	95	95
Width, Folded	in	98	98	98	98
Length (incl. HS and extra valves)	in	29	29	29	29
Stabilizer spread, fixed	ft	7'9"	7'9"	7'9"	7'9"
Stabilizer spread, standard	ft	11'5"	11'5"	11'5"	11'5"
Stabilizer spread, double ext.	ft	15'1"	15'1"	15'1"	15'1"

1244 / 1444 / 1643 Specifications - Continued

Weights	Unit	1244-Z1	1244-Z2	1444-Z2	1643-Z2
Standard loader, incl. 1 x HS	lbs	1389	1554	1708	1841
Stabilizer spread, fixed	lbs	330			
Weight of stabilizers, standard	lbs	462			
Weight of stabilizers, std., hydr. ext.	lbs	507			
Weight of stabilizers, double, hydr. ext.	lbs	650			
Mounting kit	lbs	121			
Supplement 2 x HS	lbs	143			
Supplement 1 x high pressure filter	lbs	15			
Oil in loader (stowing position)	lbs	43	48	53	53

1244 / 1444 / 1643 Metric Specifications

Performance	Unit	1244-Z1	1244-Z2	1444-Z2	1643-Z2
Loading group		B4	B4	B4	B3
Load moment	tm	10.7	10.3	13.7	15.4
Hydraulic reach	m	6.72	8.3	8.2	8.2
Hydraulic telescopic movement	mm	1580	3210	3210	3210
Lifting capacity, hydraulic	kg-m	2130 - 5.05 1630 - 6.5	2070 - 4.9 1525 - 6.5 1220 - 8.1	2840 - 4.8 2110 - 6.3 1620 - 8.0	3200 - 4.8 2380 - 6.3 1820 - 8.0
Slewing torque, gross	kNm	2400			
Slewing angle	°	400			
Max. heel at max. load moment	°	7			
Slewing speed	°/s	30			
Lifting speed, max reach	m/s	1.4	1.7	1.5	1.0
Working pressure	Bar	280			
Max. pump performance	l/min	1x60 / 2x50	1x60 / 2x50	1x70 / 2x60	1x50 / 2x40

Dimensions	Unit	1244-Z1	1244-Z2	1444-Z2	1643-Z2
Height above chassis, parked in body (min)	mm	2200	2200	2200	2200
Height above chassis, folded (no grab)	mm	2258	2290	2427	2427
Width, Folded	mm	2500	2500	2500	2500
Length (incl. HS and extra valves)	mm	750	750	750	750
Stabilizer spread, fixed	mm	2375	2375	2375	2375
Stabilizer spread, standard	mm	3500	3500	3500	3500
Stabilizer spread, double ext.	mm	4600	4600	4600	4600

Weights	Unit	1244-Z1	1244-Z2	1444-Z2	1643-Z2
Standard loader, incl. 1 x HS	lbs	1389	1554	1708	1841
Stabilizer spread, fixed	lbs	330			
Weight of stabilizers, standard	lbs	462			
Weight of stabilizers, std., hydr. ext.	lbs	507			
Weight of stabilizers, double, hydr. ext.	lbs	650			
Mounting kit	lbs	121			
Supplement 2 x HS	lbs	143			
Supplement 1 x high pressure filter	lbs	15			
Oil in loader (stowing position)	lbs	43	48	53	53

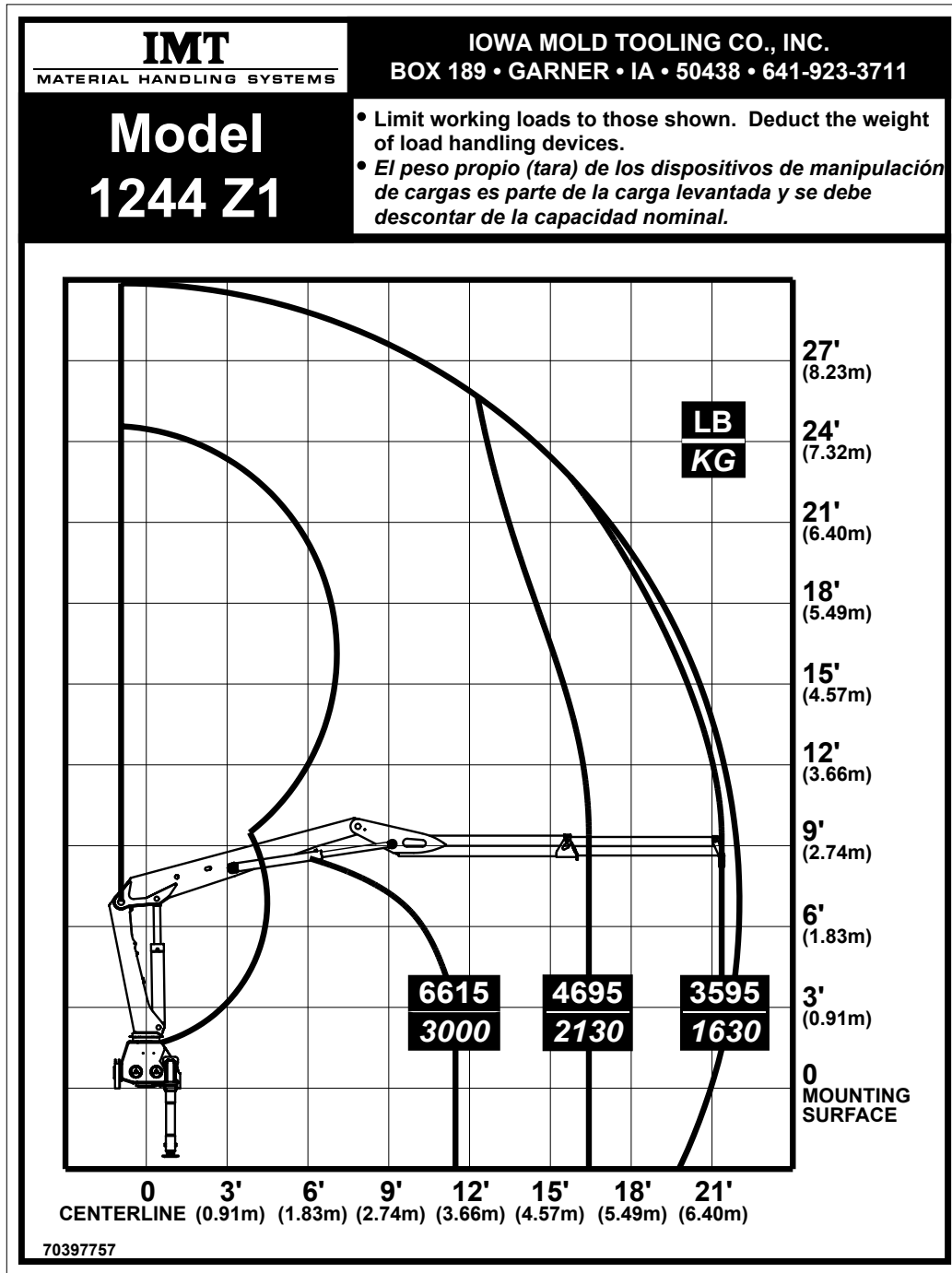
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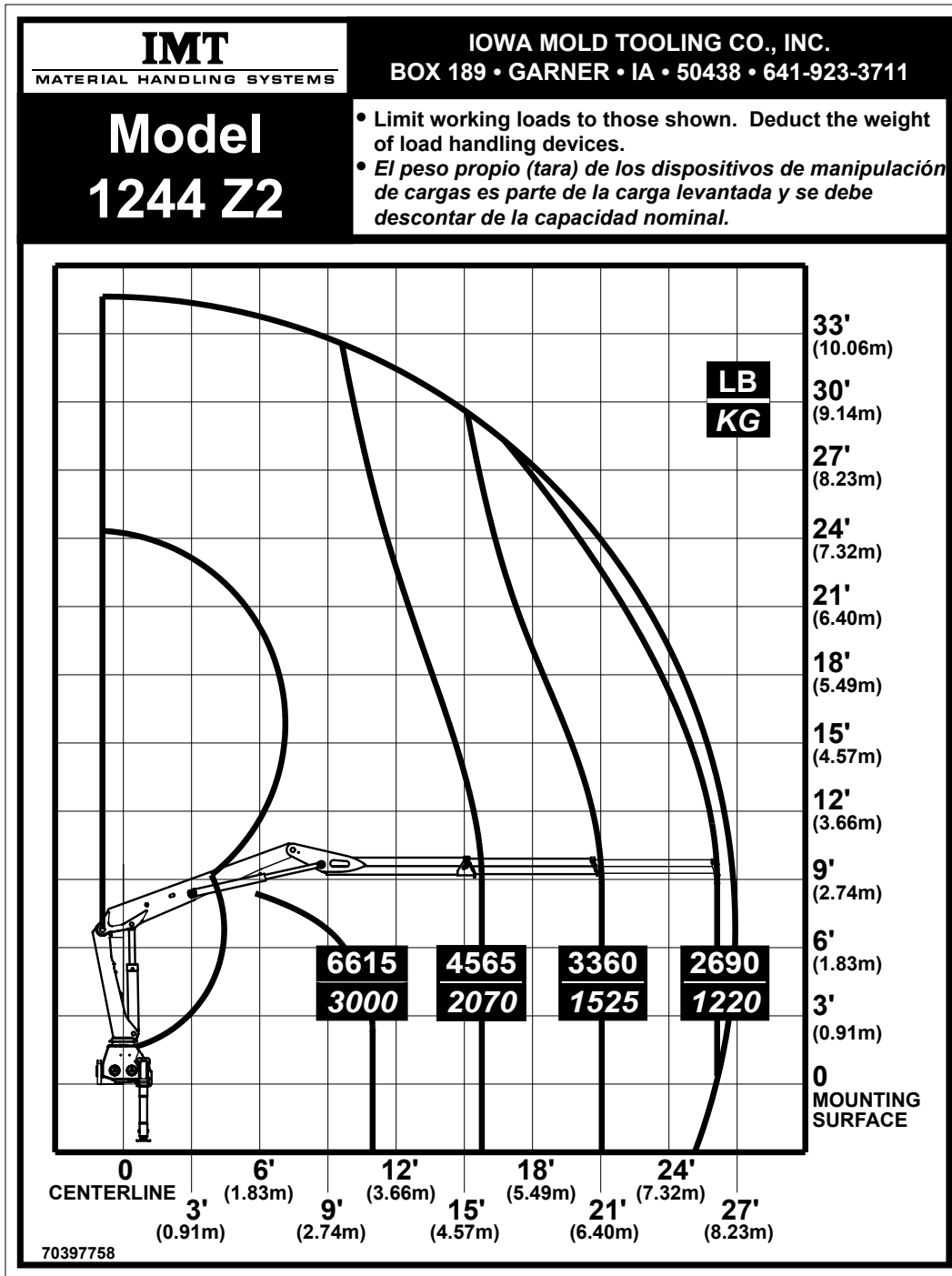
1244 / 1444 / 1643 Lifting Capacity Charts

Section - 2

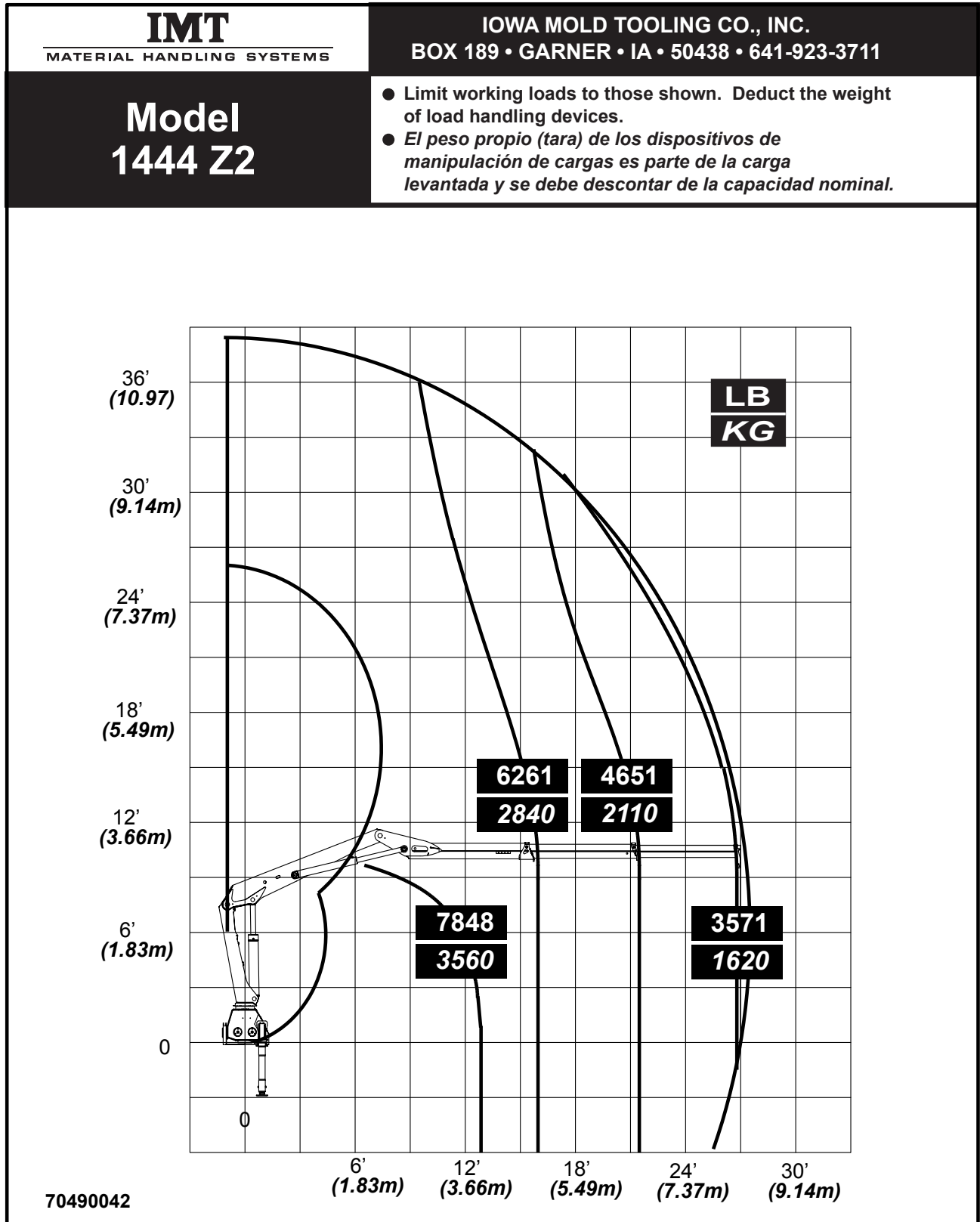
1244 Z1 Lifting Capacity Chart,



1244 Z2 Lifting Capacity Chart, K2



1444 Z2 Lifting Capacity Chart



1643 Z2 Lifting Capacity Chart, K4

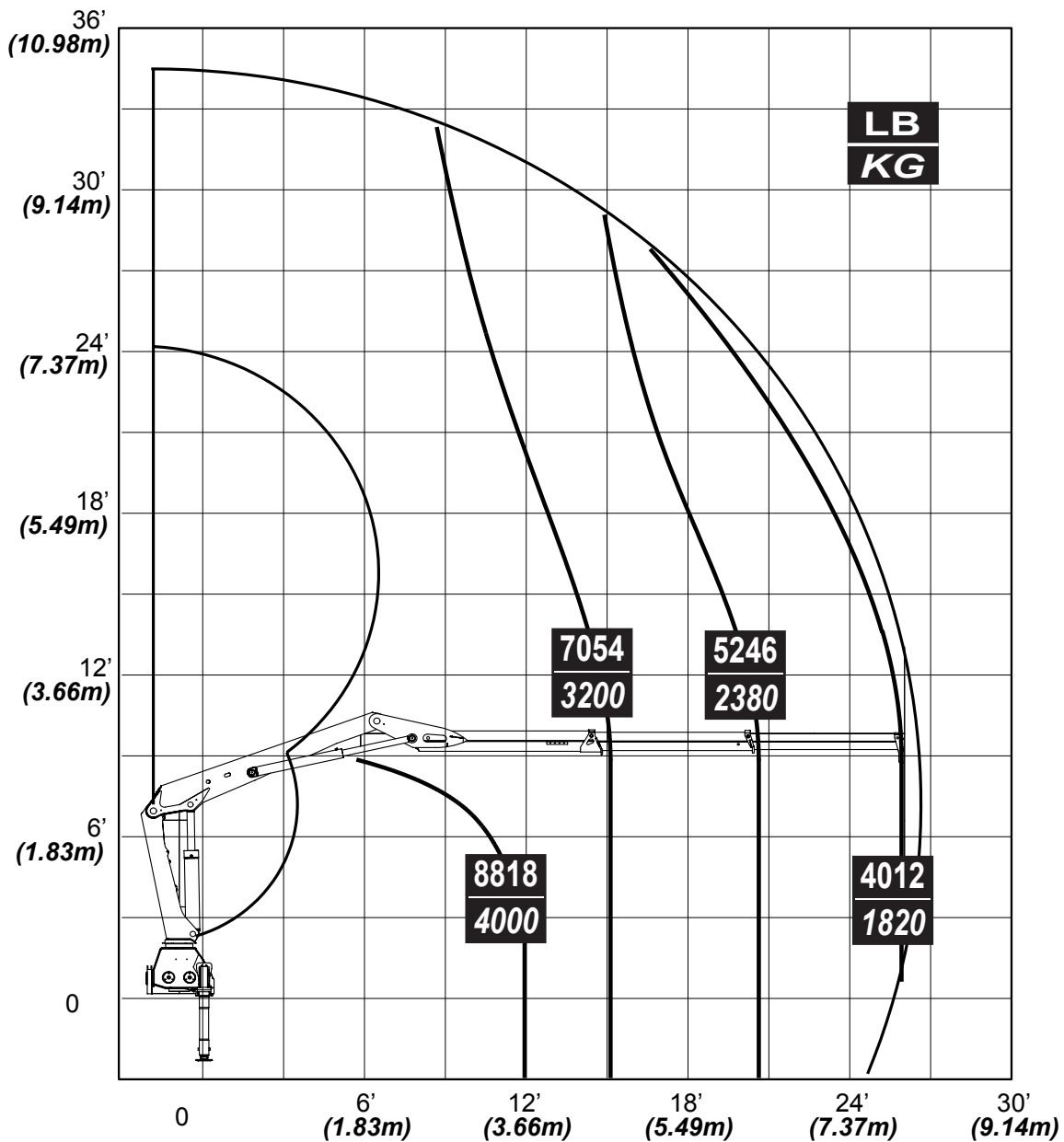
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MATERIAL HANDLING SYSTEMS

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Model 1643 Z2

- Limit working loads to those shown. Deduct the weight of load handling devices.
- *El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.*



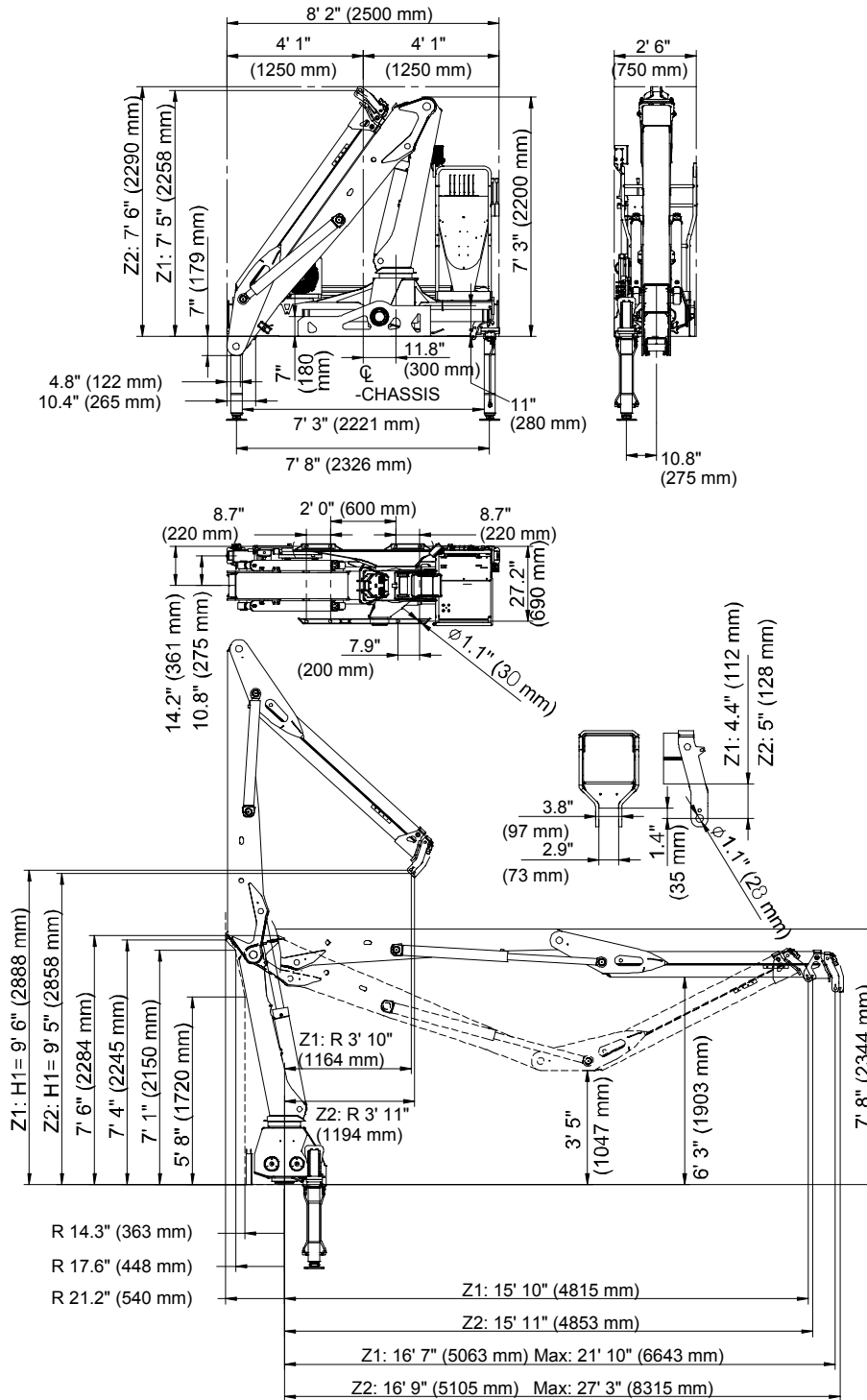
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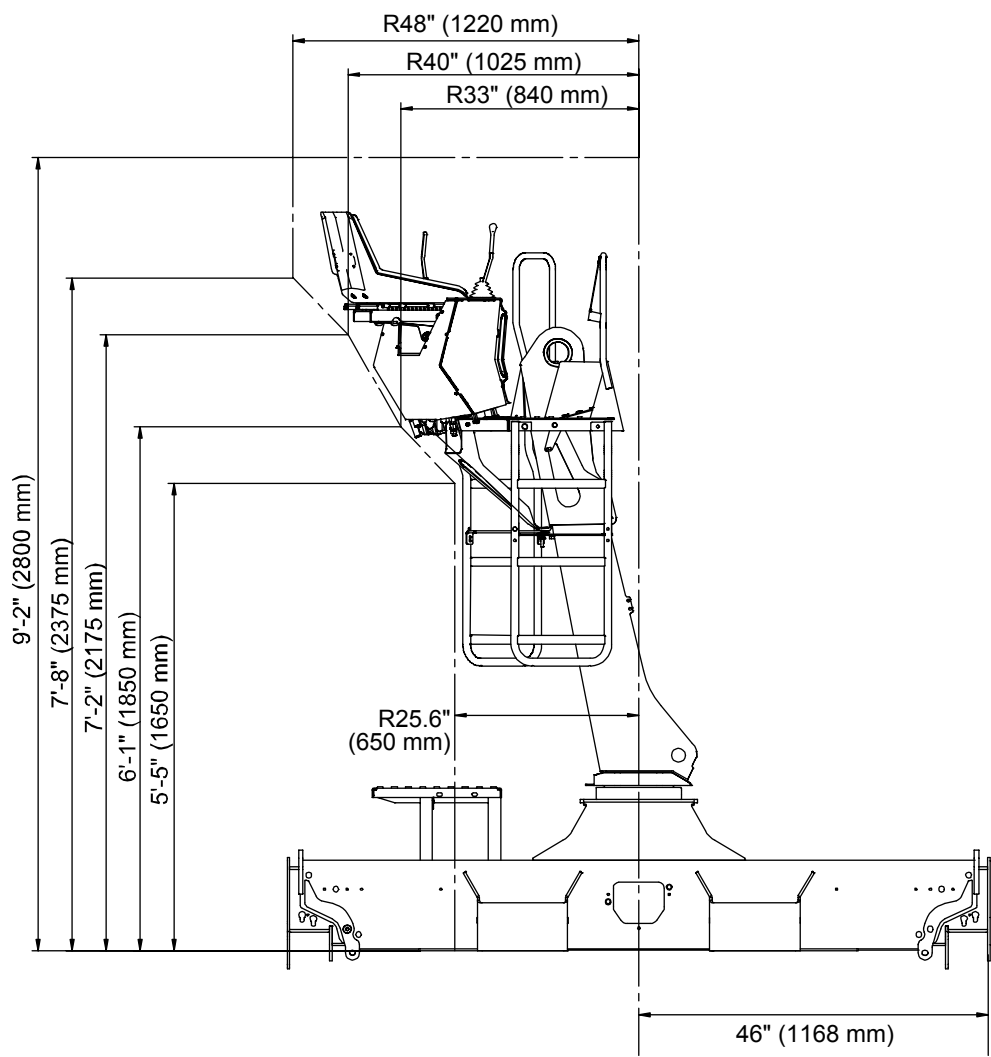
1244 / 1444 / 1643 Technical Dimensions

Section - 3

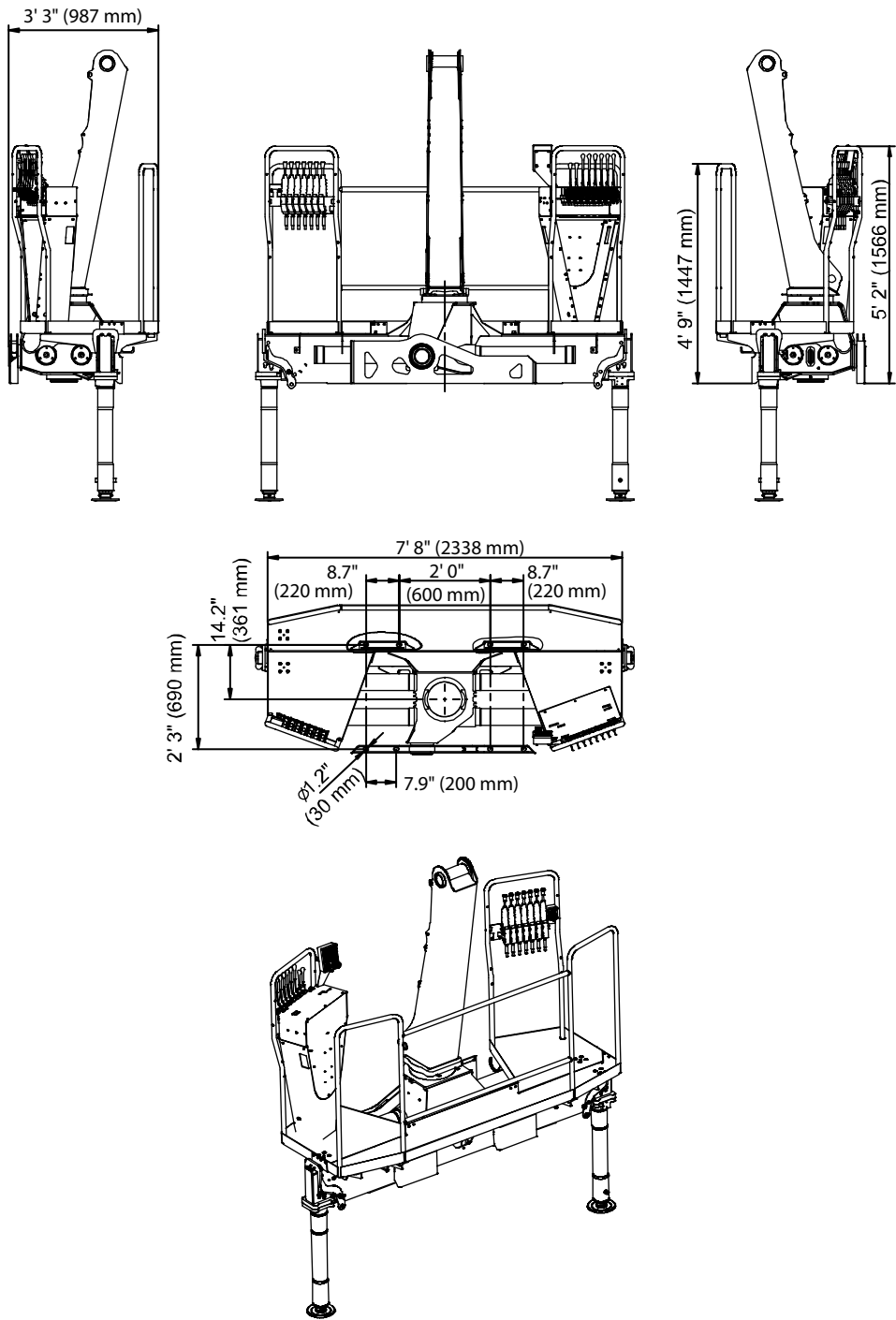
1244 Z Dimension Specifications



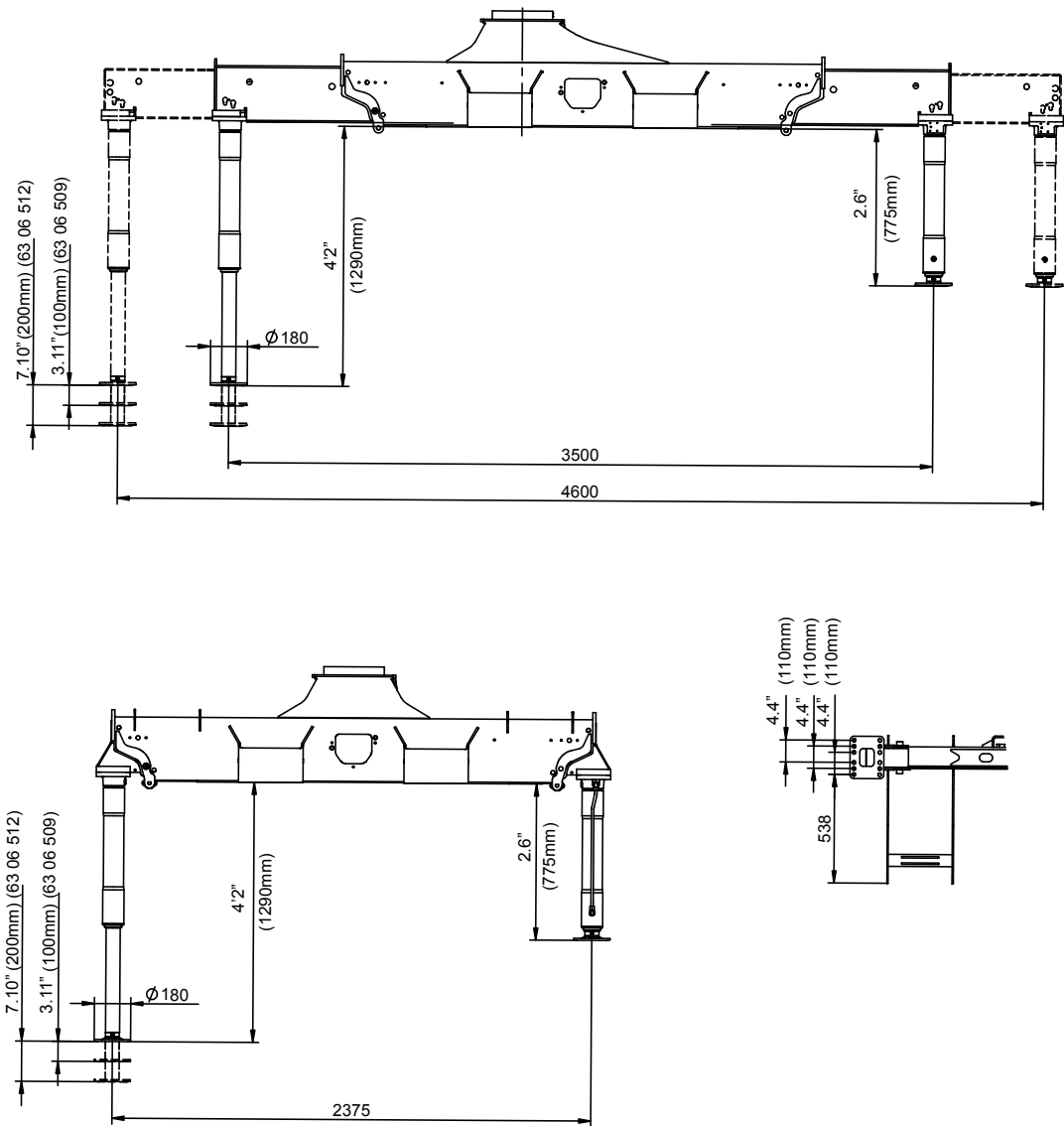
1244 / 1444 / 1643 Swing Clearance Specifications



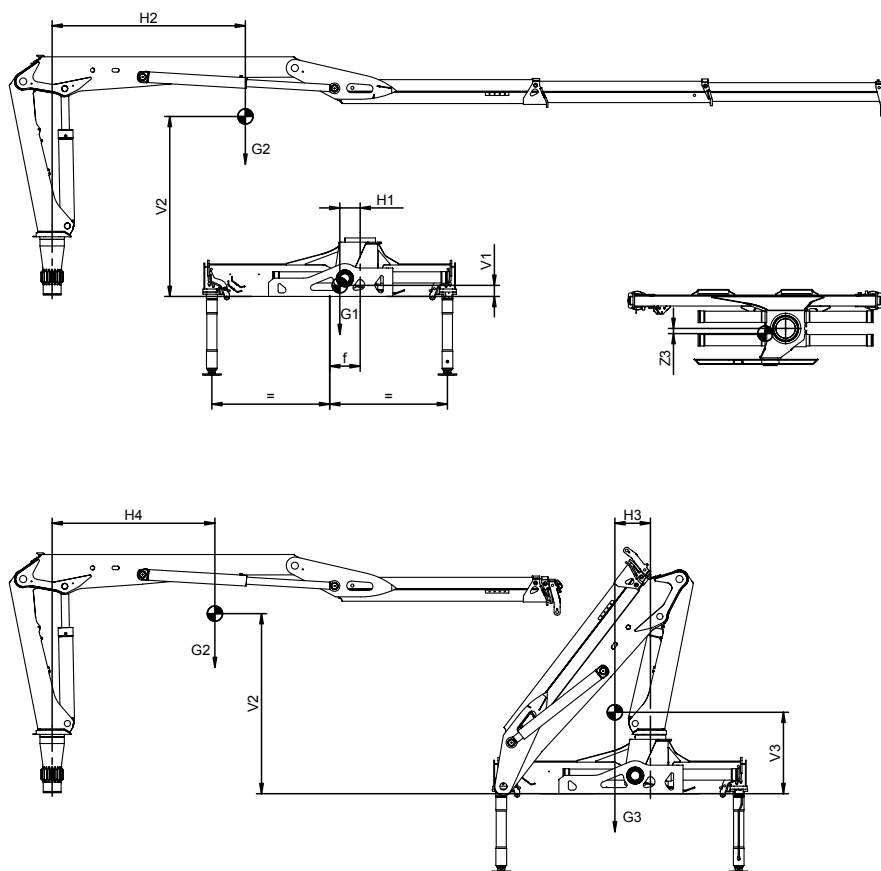
1244 / 1444 / 1643 ZC Dimension Specifications



1244 / 1444 / 1643 Dimension Sketch-Cylinders



1244 / 1444 / 1643 Center of Gravity



	MM									KG		
	V1	V2	V3	H1	H2	H3	H4	Z3	f	G1	G2	G3
1244 Z1	110	1750	670	205	1510	390	1325	50	300	740	1000	1740
1244 Z2	110	1780	715	205	2090	400	1610	50	300	740	1110	1850
1244 ZC1	110	1750	-	10	1510	-	1325	-	0	740	1000	1740
1244 ZC2	110	1780	-	10	2090	-	1610	-	0	740	1110	1850
1444/1643 Z2	110	1785	925	205	2210	330	1780	65	300	740	1210	1950
1444/1643 ZC2	110	1785	-	10	2210	-	1780	-	0	740	1210	1950

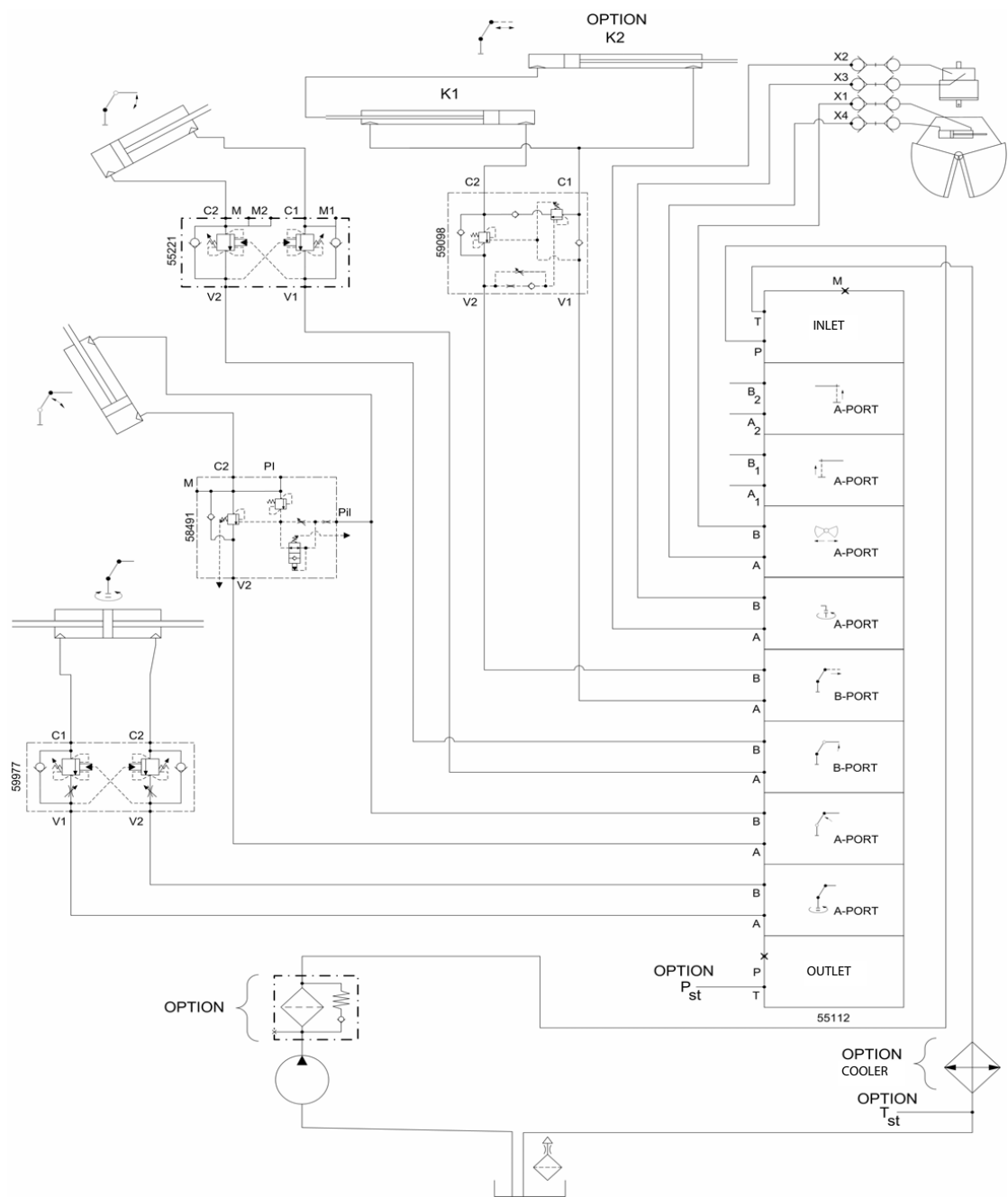
	FT / IN									LBS		
	V1	V2	V3	H1	H2	H3	H4	Z3	f	G1	G2	G3
1244 Z1	4.4"	5'8"	2'2"	8"	4'11"	15.4"	4'4"	1.11"	11.9"	29.1"	3.4'	5'8"
1244 Z2	4.4"	5'10"	2'4"	8"	6'10"	15.9"	5'3"	1.11"	11.9"	29.1"	3.7"	6'
1244 ZC1	4.4"	5'8"	-	0.4"	4'11"	-	4'4"	-	0	29.1"	3.4'	5'8"
1244 ZC2	4.4"	5'10"	-	0.4"	5'3"	-	5'3"	-	0	29.1"	3.7"	6"
1444/1643 Z2	4.4"	5'10"	3'0"	8"	7'3"	12.11"	5'10"	2.3"	11.9"	29.1"	3.11	6'4"
1444/1643 ZC2	4.4"	5'10"	-	0.4"	7'3"	-	5'10"	-	0	29.1"	3.11	6'4"

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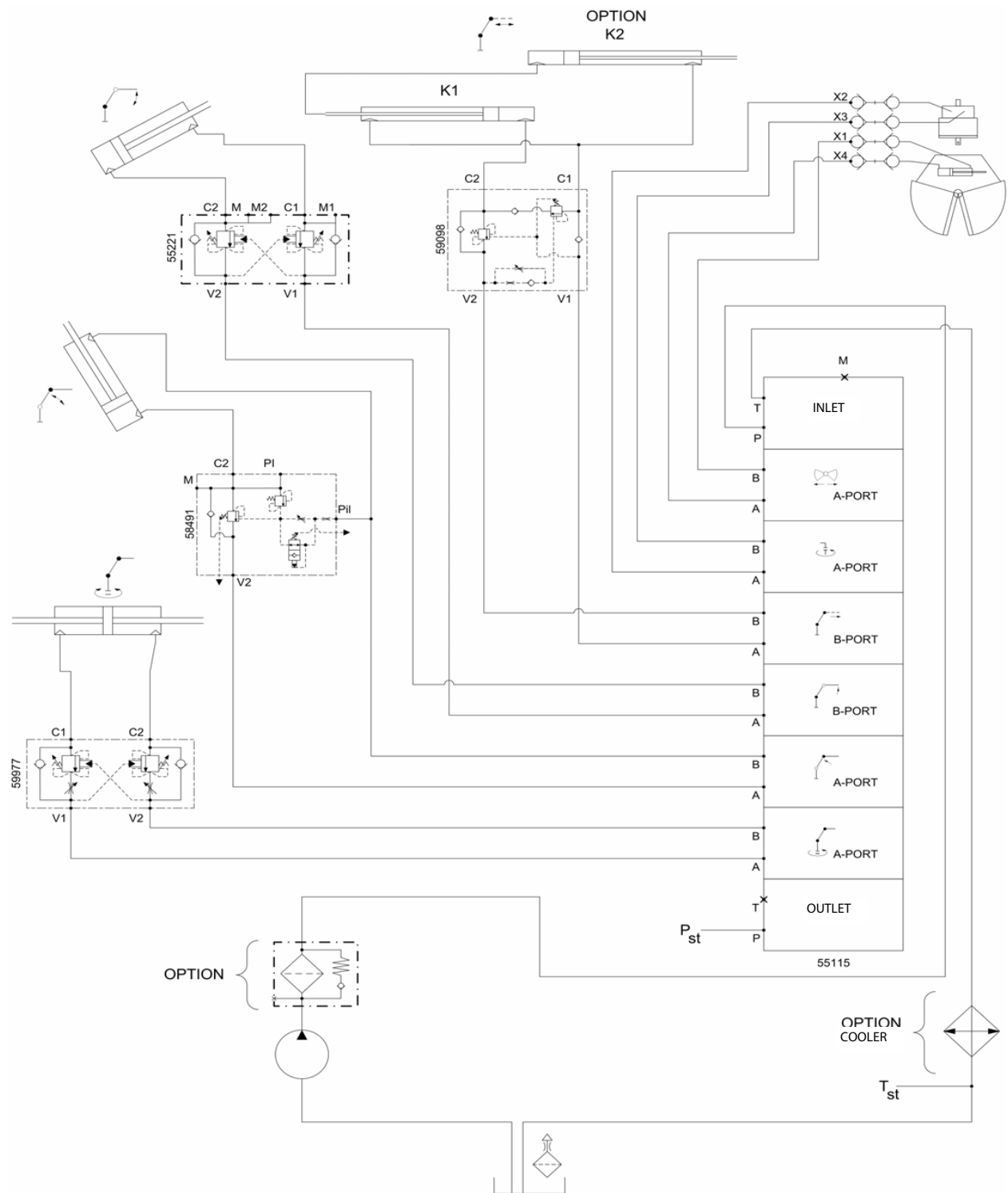
1244 / 1444 / 1643 Hydraulic Specifications

Section - 4

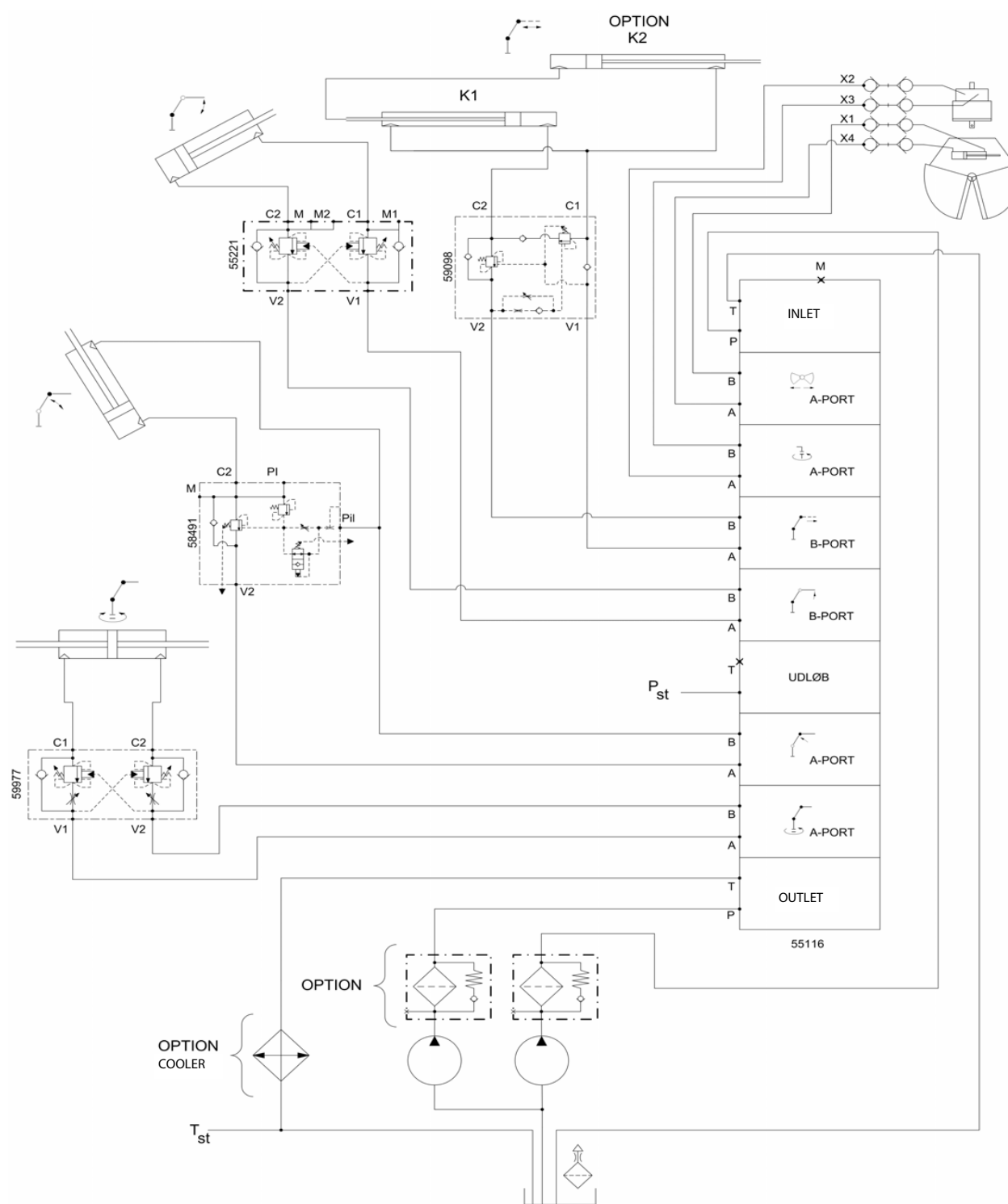
1244 / 1444 / 1643-C-base 1-circuit, fixed-low pump



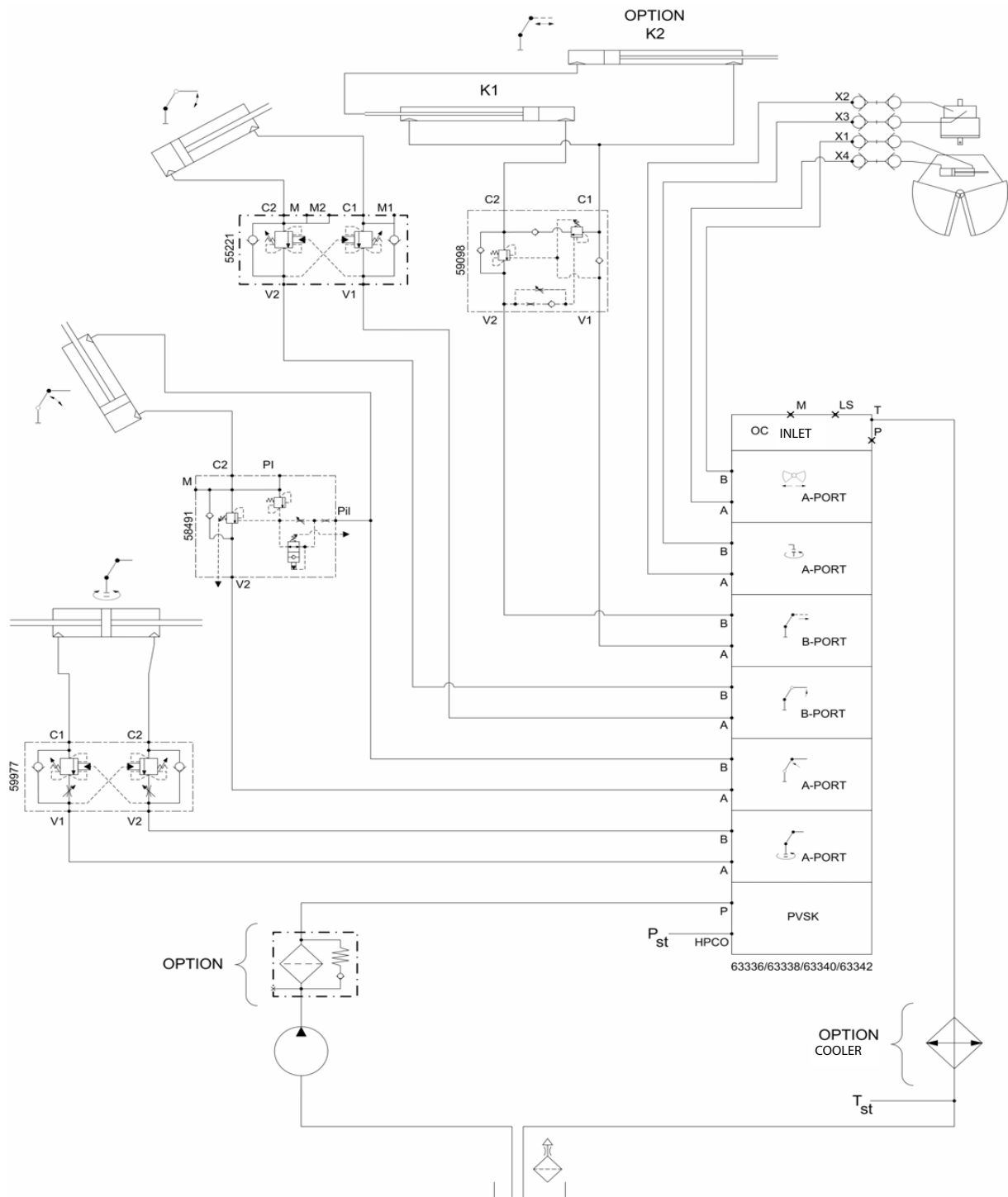
1244 / 1444 / 1643-Standard base, 1-circuit, fixed- flow pump.

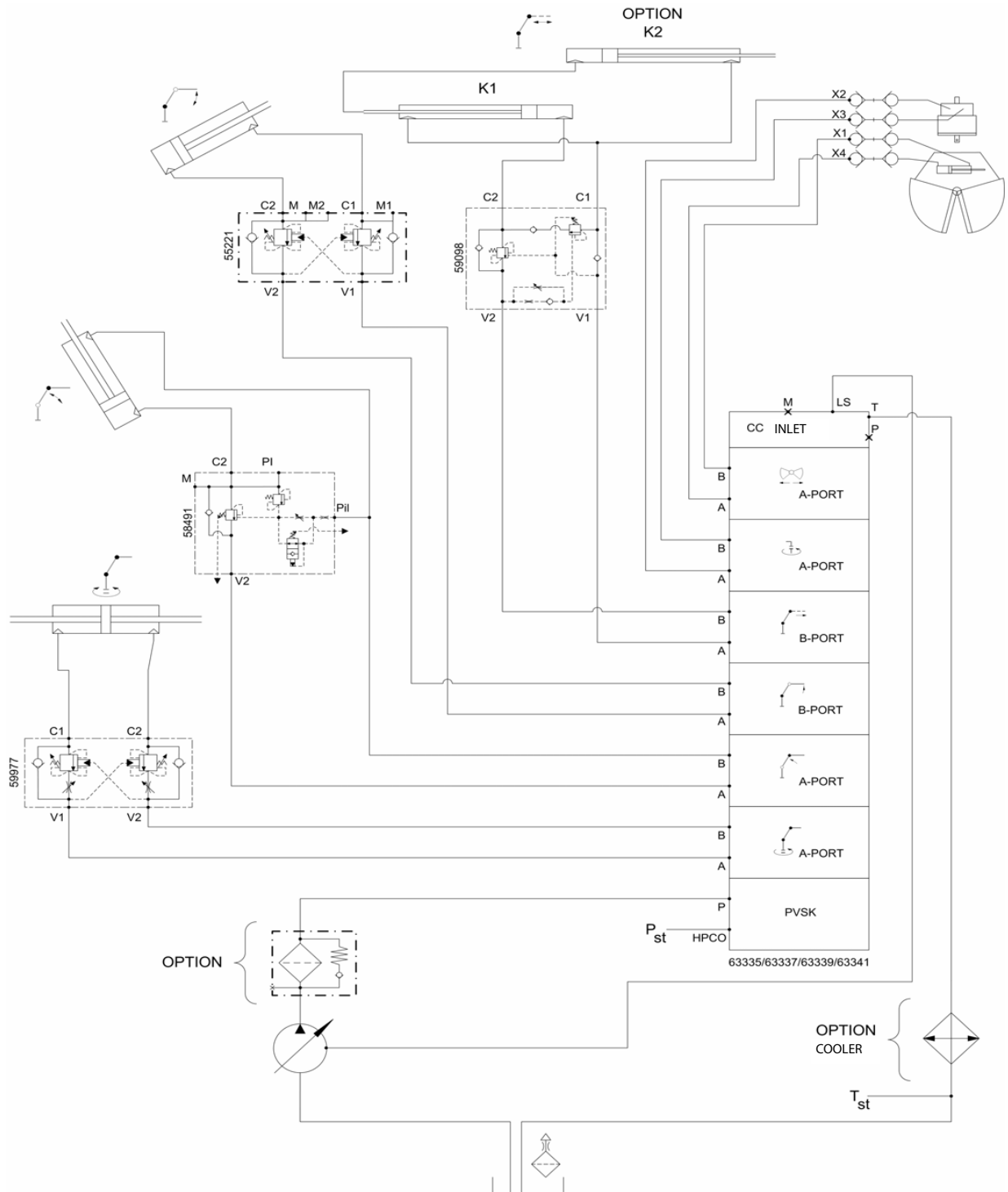


1244 / 1444 / 1643- Standard base, 2-circuit, fixed-flow pump

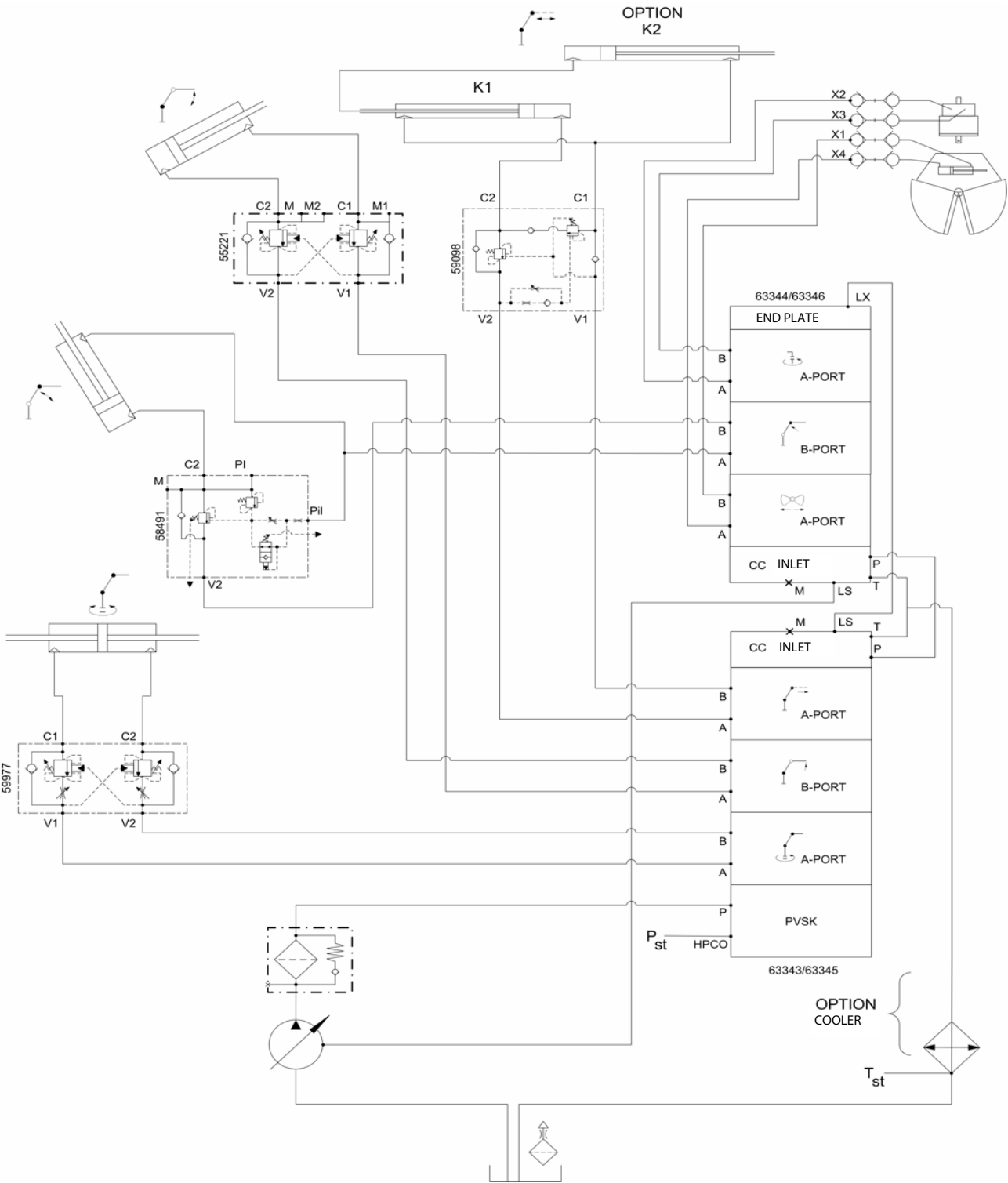


1244 / 1444 / 1643- Danfoss, 1-circuit, fixed-flow pump

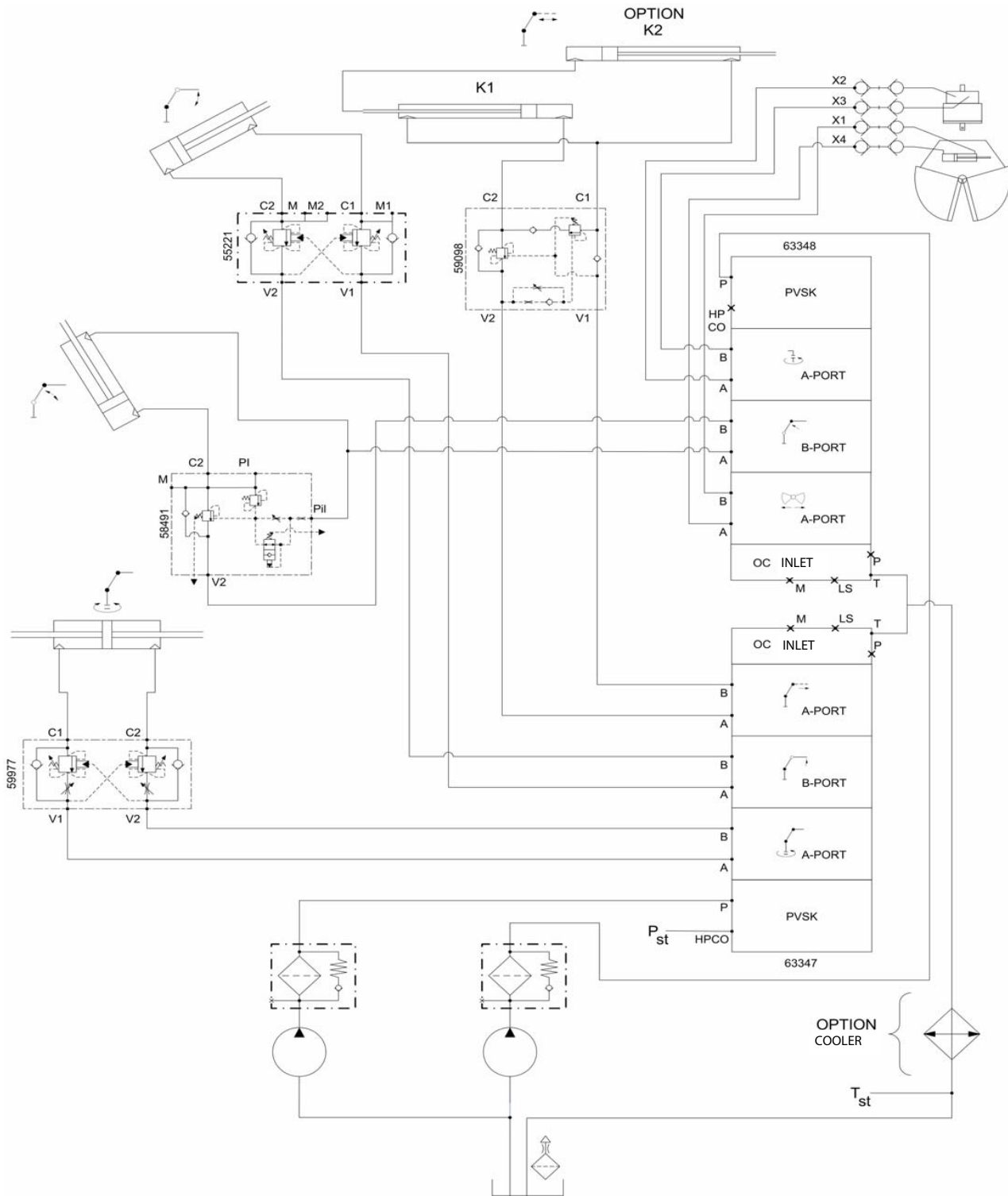


1244 / 1444 / 1643- Danfoss, 1-circuit, variable flow pump

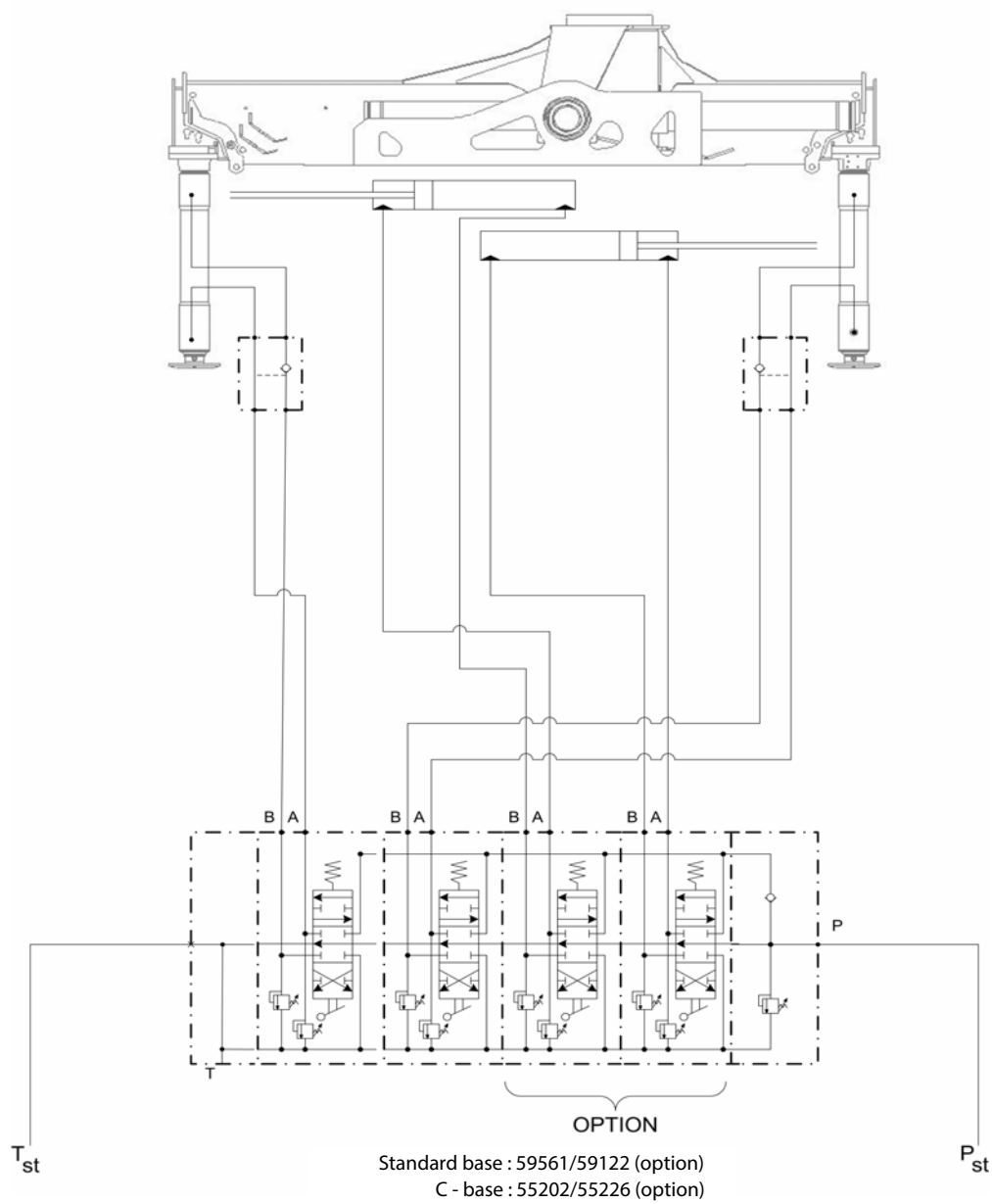
1244 / 1444 / 1643- Danfoss TS, 1-circuit, variable flow pump



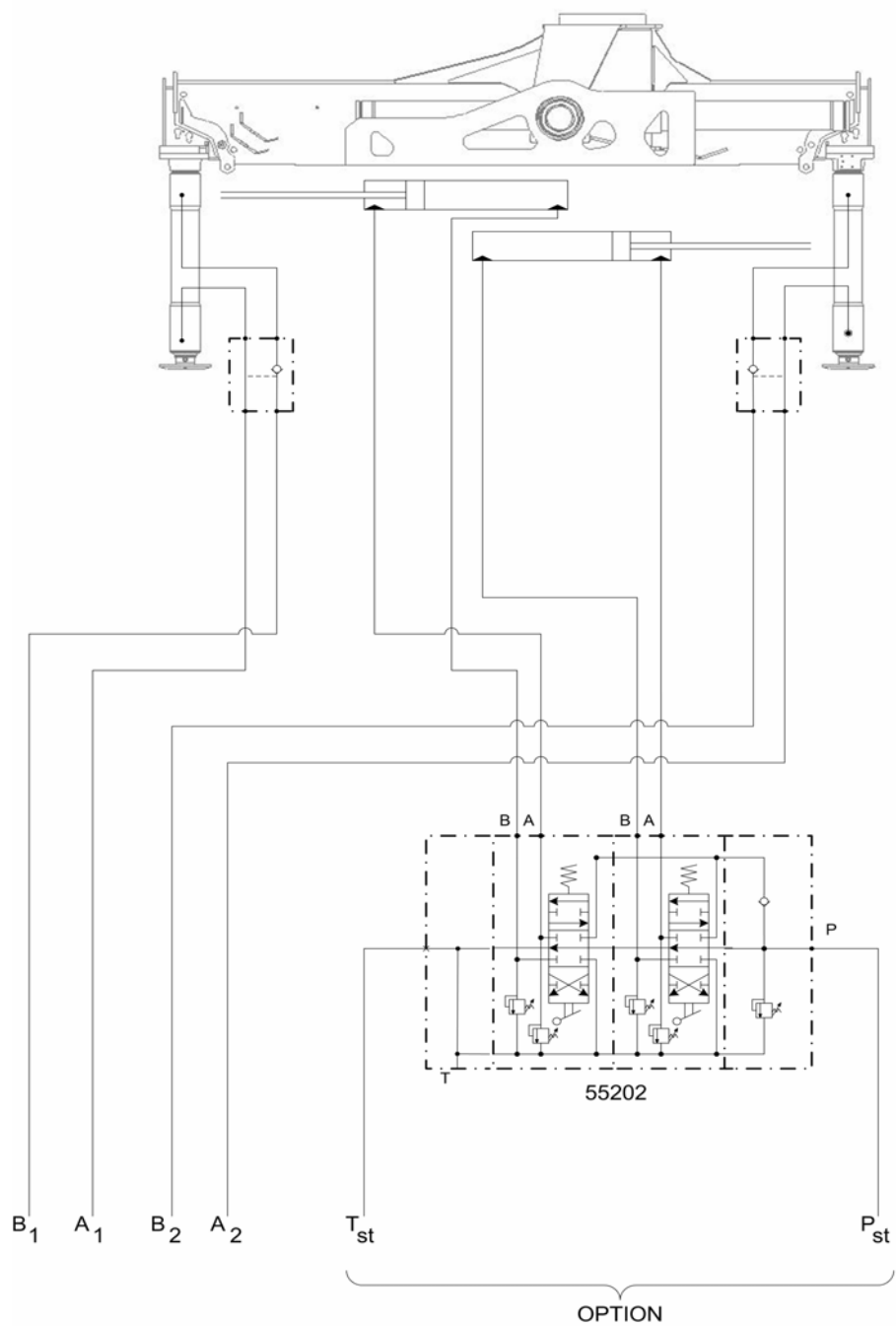
1244 / 1444 / 1643- Danfoss TS, 2-circuit, fixed-flow pump



1244 / 1444 / 1643- Danfoss and Nordhydraulic, 2-circuit, fixed-flow pump



1244 / 1444 / 1643- Nordhydraulic, 1-circuit, fixed-flow pump



Revisions

[illegible]



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