

Cat Electronic Technician 2018A v1.0

Product Status Report

06.12.2018 13:25

Product Status Report

Parameter	Value
Product ID	ZGZ00484
Equipment ID	NOT PROGRAMMED
Comments	

Monitor

Parameter	Value
ECM Serial Number	111J2121AJ
Personality Module Part Number	3495410-00

C4.2 318D (JKH11282)

Parameter	Value
Equipment ID	NOT PROGRAMMED
Engine Serial Number	JKH11282
ECM Part Number	3317539-00
ECM Serial Number	06416224MB
Software Group Part Number	3283339-00
Software Group Release Date	2008
Software Group Description	MHI 319D A4E2i2
Active Event Codes Present	Unavailable

Logged Diagnostic Codes [Diagnostic Clock = 10394,2583 hours] - C4.2 318D (JKH11282)

Code	Description	Occ.	First	Last
No Logged Diagnostic Codes				

Logged Event Codes [Diagnostic Clock = 10394,2583 hours] - C4.2 318D (JKH11282)

Code	Description	Occ.	First	Last
E198 (2)	Low Fuel Pressure	5	10348	10348
E361 (1)	High Engine Coolant Temperature	4	2466	10016
E361 (2)	High Engine Coolant Temperature	2	2466	10016
E361 (3)	High Engine Coolant Temperature	1	10016	10016

Active Diagnostic Codes - C4.2 318D (JKH11282)

Code	Description
No Active Diagnostic Codes	

Active Event Codes - C4.2 318D (JKH11282)

Code	Description
No Active Event Codes	

Current Totals - C4.2 318D (JKH11282)

Description	Value	Unit
Total Operating Hours	10394	hours
Total Fuel	106827	L
Total Idle Time	1818:21	hours
Total Idle Fuel	3439	L
Percentage Idle Time	17,49	%
Average Fuel Rate	10,28	L/h

Configuration - C4.2 318D (JKH11282)

Description	Value	Unit
Equipment ID	NOT PROGRAMMED	
Engine Serial Number	JKH11282	
ECM Part Number	3317539-00	
ECM Serial Number	06416224MB	
Software Group Part Number	3283339-00	
Software Group Release Date	2008	
Software Group Description	MHI 319D A4E2i2	
Rated Power	98 kW at 2200 rpm	
Rated Peak Torque	468 N-m at 1800 rpm	
Top Engine Speed Range	2420 - 2420 rpm	
Test Spec		
FLS	55	
FTS	85	
Security System Immobilizer Installation Status	Disabled or Not Installed	
Total Tattletale	2	
Idle Speed	800	rpm

Injector Trim Calibration - C4.2 318D (JKH11282)

Injector	Serial Number	File Version
Injector1	000000002S0138109581	1
Injector2	000000002S0138109688	1
Injector3	000000002S0138108493	1
Injector4	000000002S013810978F	1

Machine Control 319D (ZGZ00484)

Parameter	Value
Product ID	ZGZ00484
ECM Part Number	2218874-07
ECM Serial Number	01444897EM
Software Group Part Number	3567703-00
Software Group Release Date	AUG2010

Software Group Description	319D HEX CONTROL
Active Diagnostic Codes Present	No

Logged Diagnostic Codes [Diagnostic Clock = 10433 hours] - Machine Control 319D (ZGZ00484)

Code	Description	Occ.	First	Last
167-12	Alternator Charging Voltage Sensor : Failure	25	2698	10053
581- 5	Power Shift Solenoid : Current Below Normal	3	2307	9797
2265- 3	Hydraulic Pump #1 Outlet Pressure Sensor : Voltage Above Normal	1	9797	9797
2265- 8	Hydraulic Pump #1 Outlet Pressure Sensor : Abnormal Frequency, Pulse Width, or Period	1	9797	9797
2300- 9	Switch Panel : Abnormal Update Rate	1	4776	4776
168- 5	Electrical System Voltage : Current Below Normal	1	2707	2707
110- 9	Engine Coolant Temperature Sensor : Abnormal Update Rate	1	2706	2706

Logged Event Codes [Diagnostic Clock = 10433 hours] - Machine Control 319D (ZGZ00484)

Code	Description	Occ.	First	Last
E015 (2)	High Engine Coolant Temperature Derate	2	2475	10053
E017 (2)	High Engine Coolant Temperature Warning	4	2475	10053
E023 (2)	High Hydraulic Oil Temperature Derate	20	2475	9885
E043 (2)	Low System Voltage Warning	2	2706	8644

Active Diagnostic Codes - Machine Control 319D (ZGZ00484)

Code	Description
No Active Diagnostic Codes	

Current Totals - Machine Control 319D (ZGZ00484)

Description	Value	Unit
Total Operating Hours	10434	hours
Engine Maintenance Hours	10432	hours
Engine Oil Hours	400	hours
Engine Oil Filter Hours	400	hours
Engine Coolant Hours	8125	hours
Fuel/ Water Separator Hours	0	hours
Fuel Filter Hours	400	hours
Secondary Fuel Filter Hours	0	hours
Tertiary Fuel Filter Hours	0	hours
Fuel Tank Cap Hours	0	hours
Hydraulic Pump Hours	10432	hours
Hydraulic Pilot Oil Filter Hours	5951	hours
Hydraulic Case Drain Oil Filter Hours	5951	hours
Return Hydraulic Oil Filter Hours	5951	hours
Attachment Hydraulic Oil Filter Hours	0	hours
Hydraulic Oil Hours	5927	hours

Final Drive Oil Hours	400	hours
Swing Drive Oil Hours	5951	hours
Travel Motor Hours	828	hours
Tool #1 Hours	16	hours
Tool #2 Hours	2	hours
Tool #3 Hours	12	hours
Tool #4 Hours	42	hours
Tool #5 Hours	39	hours
Tool #6 Hours	557	hours
Tool #7 Hours	7	hours
Tool #8 Hours	0	hours
Tool #9 Hours	0	hours
Tool #10 Hours	1	hours
Return Hydraulic Oil Filter Bypass Hours	369,2	hours
Return Hydraulic Oil Filter Bypass at Cold Temperature Hours	126,6	hours
Hours of Operation at High Hydraulic Pressure	175,1	hours
Hours of Operation at Relief Hydraulic Pressure	110,0	hours

Configuration - Machine Control 319D (ZGZ00484)

Description	Value	Unit
Product ID	ZGZ00484	
Hydraulic Power Mode	Disabled or Not Installed	
Fuel Economy Mode Enable Status	Enabled	
Economy Mode	Off	
Light Load Mode Enable Status	Enabled	
Travel Alarm Installation Status	Not Installed	
Water Separator Level Switch Configuration	Normally Closed (to Ground)	
Fuel Filter Differential Pressure Switch Config	Not Installed	
Secondary Fuel Filter Differential Pressure Switch Config	Not Installed	
Attachment Hydraulic Oil Filter Switch Configuration	Not Installed	
Auto Lube Warning Indicator Enable Switch Configuration	Not Installed	
Machine Overload Pressure Sensor Installation	Installed	
Machine Overload Pressure Threshold	13000	kPa
Engine Cooling Fan Map	Disabled or Not Installed	
Joystick Mapping Installation Status	Not Installed	
Joystick Mapping Configuration	Disabled or Not Installed	
Machine Application Configuration	EAME Multi-Proc	
Main Pump Flow Limitation Pressure Solenoid Installation Status	Installed	
Attachment Valve #1 Configuration	F2 - One Way or Two Way	

Attachment Valve #2 Configuration	Not Installed	
Attachment Valve #3 Configuration	Attachment Pump Valve - Two Way	
Attachment Valve #4 Configuration	Attachment Pump Valve - Two Way	
Attachment Valve #1 Control Type Configuration	Electrical	
Attachment Valve #2 Control Type Configuration	Disabled or Not Installed	
Attachment Valve #3 Control Type Configuration	Electrical	
Attachment Valve #4 Control Type Configuration	Hydraulic	
Attachment Valve #1 Combiner Configuration	Disabled or Not Installed	
Auxiliary Circuit Flow Combining Solenoid Installation Status	Installed	
Hammer Return to Tank Solenoid Installation Status	Disabled or Not Installed	
Variable Relief Valve #1 Configuration	Installed on Valve #1 Extend port	
Variable Relief Valve #2 Configuration	Installed on Valve #1 Retract port	
F2 Type Valve Load Sense Pres Sensor Installation	Not Installed	
Joystick Handle Configuration	Modulation Handle	
Foot Switch Installation Status	Not Installed	
Left Attachment Pedal Installation Status	Not Installed	
Right Attachment Pedal Installation Status	Not Installed	
Left Joystick Switch #1 Control Mode	No valve controlled	
Left Joystick Switch #2 Control Mode	No valve controlled	
Left Joystick Switch #4 Control Mode	Disabled or Not Installed	
Right Joystick Switch #1 Control Mode	Toggled - Valve #1 Retract	
Right Joystick Switch #2 Control Mode	No valve controlled	
Right Joystick Switch #4 Control Mode	Disabled or Not Installed	
Foot Switch Control Mode	Disabled or Not Installed	
Left Joystick Thumbwheel Control Mode	Attachment Valve #3	
Right Joystick Thumbwheel Control Mode	Attachment Valve #1	
Left Attachment Pedal Control Mode	Disabled or Not Installed	
Right Attachment Pedal Control Mode	Disabled or Not Installed	
Travel Speed Shift Low Delay	0,4	sec
Travel Speed Shift High Delay	0,4	sec
Travel Speed Shift Low Pres	18000	kPa
Travel Speed Shift High Pressure	32000	kPa
One Touch Engine Speed Setting	1100	rpm
AESC Setting	1300	rpm
AESC Delay Time	5,0	sec
Throttle Dial Position 1 Engine Speed	900	rpm
Throttle Dial Position 2 Engine Speed	1100	rpm
Throttle Dial Position 3 Engine Speed	1300	rpm
Throttle Dial Position 4 Engine Speed	1500	rpm
Throttle Dial Position 5 Engine Speed	1650	rpm
Throttle Dial Position 6 Engine Speed	1800	rpm
Throttle Dial Position 7 Engine Speed	1950	rpm

Throttle Dial Position 8 Engine Speed	2100	rpm
Throttle Dial Position 9 Engine Speed	2250	rpm
Throttle Dial Position 10 Engine Speed	2420	rpm
Throttle Dial Position 1 Hydraulic System Torque Percentage	25,0	%
Throttle Dial Position 2 Hydraulic System Torque Percentage	40,0	%
Throttle Dial Position 3 Hydraulic System Torque Percentage	61,0	%
Throttle Dial Position 4 Hydraulic System Torque Percentage	69,0	%
Throttle Dial Position 5 Hydraulic System Torque Percentage	78,0	%
Throttle Dial Position 6 Hydraulic System Torque Percentage	85,0	%
Throttle Dial Position 7 Hydraulic System Torque Percentage	92,0	%
Throttle Dial Position 8 Hydraulic System Torque Percentage	92,0	%
Throttle Dial Position 9 Hydraulic System Torque Percentage	92,0	%
Throttle Dial Position 10 Hydraulic System Torque Percentage	100,0	%
Engine Oil Recommended Maintenance Interval	500	hours
Engine Oil Filter Recommended Maintenance Interval	500	hours
Engine Coolant Recommended Maintenance Interval	3000	hours
Fuel/ Water Separator Recommended Maint Interval	0	hours
Fuel Filter Recommended Maintenance Interval	500	hours
Secondary Fuel Filter Recommended Maintenance Interval	0	hours
Tertiary Fuel Filter Recommended Maintenance Interval	0	hours
Fuel Tank Cap Recommended Maintenance Interval	0	hours
Hydraulic Pilot Oil Filter Recommended Maintenance Interval	1000	hours
Hydraulic Case Drain Oil Filter Recommended MI	1000	hours
Return Hyd Oil Filter Recommended Maint Interval	2000	hours
Attachment Hydraulic Oil Filter Recommended Maintenance Interval	0	hours
Final Drive Oil Recommended Maintenance Interval	2000	hours
Hydraulic Oil Recommended Maintenance Interval	2000	hours
Swing Drive Oil Recommended Maintenance Interval	1000	hours

Advanced Machine Security System Installation Status	Not Installed	
Sunday Security System Bypass Start Time	Disabled or Not Installed	
Sunday Security System Bypass Stop Time	Disabled or Not Installed	
Monday Security System Bypass Start Time	Disabled or Not Installed	
Monday Security System Bypass Stop Time	Disabled or Not Installed	
Tuesday Security System Bypass Start Time	Disabled or Not Installed	
Tuesday Security System Bypass Stop Time	Disabled or Not Installed	
Wednesday Security System Bypass Start Time	Disabled or Not Installed	
Wednesday Security System Bypass Stop Time	Disabled or Not Installed	
Thursday Security System Bypass Start Time	Disabled or Not Installed	
Thursday Security System Bypass Stop Time	Disabled or Not Installed	
Friday Security System Bypass Start Time	Disabled or Not Installed	
Friday Security System Bypass Stop Time	Disabled or Not Installed	
Saturday Security System Bypass Start Time	Disabled or Not Installed	
Saturday Security System Bypass Stop Time	Disabled or Not Installed	
Virtual Fence System Installation Status	Not Installed	
AccuGrade System Installation Status	Not Installed	

Calibration Status - Machine Control 319D (ZGZ00484)

Calibration	Status	Last Successful Completion
PRV - Variable Relief Pressure Calibration Solenoid 2	Success	0,5 hours
PRV - Variable Relief Pressure Calibration Solenoid 1	Success	0,4 hours
Stick Cylinder Retract Pilot Pressure Limit Solenoid Cal	Not Calibrated	Never Successfully Calibrated
Boom Cylinder Extend Pilot Pressure Limit Solenoid Cal	Not Calibrated	Never Successfully Calibrated
PRV - Power Shift Pressure Calibration	Success	0,2 hours
PRV - Combined Attachment Valve Flow Limit	Not Calibrated	Never Successfully Calibrated
PRV - Attachment Valve #1 Flow Limit	Not Calibrated	Never Successfully Calibrated
PRV - Flow Meter for Two Pump Flow Combined	Success	0,4 hours
PRV - Pressure Gauge	Not Calibrated	Never Successfully Calibrated
Right Attachment Pedal Calibration	Not Calibrated	Never Successfully Calibrated
Left Attachment Pedal Calibration	Not Calibrated	Never Successfully Calibrated

Right Joystick Thumbwheel Calibration	Success	0,0 hours
Left Joystick Thumbwheel Calibration	Success	0,0 hours
Engine Speed Calibration	Success	0,2 hours
Boom Down Regeneration Valve Pressure Calibration	Failed	Never Successfully Calibrated
Attachment Valve #4 Retract	Not Calibrated	Never Successfully Calibrated
Attachment Valve #4 Extend	Not Calibrated	Never Successfully Calibrated
Attachment Valve #3 Retract	Success	0,3 hours
Attachment Valve #3 Extend	Success	0,3 hours
Attachment Valve #2 Retract	Not Calibrated	Never Successfully Calibrated
Attachment Valve #2 Extend	Not Calibrated	Never Successfully Calibrated
Attachment Valve #1 Retract	Success	0,4 hours
Attachment Valve #1 Extend	Success	0,4 hours

Tool Configuration - Machine Control 319D (ZGZ00484)

Description	Value	Unit
Tool Program Name	H115	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Underspeed Enable	Enabled	
Two Pump Flow Combine Enable	Disabled	
Implement Priority Flow Mode Enable Status	Enabled	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	5	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	50	%
One Way/ Two Way Valve Mode	One Way	
Variable Relief Valve #1 Pressure	21000	kPa
Variable Relief Valve #2 Pressure	0	kPa
F2 Type Valve Max Flow Derate Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate Start Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate End Pressure	Disabled or Not Installed	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Extend Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa

Multiple Operation Maximum Retract Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Hydraulic Temperature High Warning Event Threshold	80,0	Deg C
Attachment Valve #1 Flow Setting	117	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Valve #1 Nominal Pressure	16000	kPa
Attachment Valve #1 Maximum Extend Pressure	4000	kPa
Attachment Valve #1 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Disabled or Not Installed	
Attachment Valve #2 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #2 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #2 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Open Time	Disabled or Not Installed	sec
Attachment Valve #2 Close Time	Disabled or Not Installed	sec
Attachment Valve #2 Tool Flow Direction	Disabled or Not Installed	
Attachment Valve #3 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #3 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #3 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #3 Maximum Extend Pressure	1400	kPa
Attachment Valve #3 Maximum Retract Pressure	1400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Attachment Valve #4 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #4 Multi-Operation Additional Flow	Disabled or Not Installed	L/min

Valve #4 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Open Time	Disabled or Not Installed	sec
Attachment Valve #4 Close Time	Disabled or Not Installed	sec
Attachment Valve #4 Tool Flow Direction	Disabled or Not Installed	

Tool Configuration - Machine Control 319D (ZGZ00484)

Description	Value	Unit
Tool Program Name	Hammer FRD	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Underspeed Enable	Enabled	
Two Pump Flow Combine Enable	Enabled	
Implement Priority Flow Mode Enable Status	Enabled	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	5	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	50	%
One Way/ Two Way Valve Mode	One Way	
Variable Relief Valve #1 Pressure	21000	kPa
Variable Relief Valve #2 Pressure	0	kPa
F2 Type Valve Max Flow Derate Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate Start Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate End Pressure	Disabled or Not Installed	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Extend Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Multiple Operation Maximum Retract Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Hydraulic Temperature High Warning Event Threshold	80,0	Deg C

Attachment Valve #1 Flow Setting	150	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Valve #1 Nominal Pressure	18000	kPa
Attachment Valve #1 Maximum Extend Pressure	4000	kPa
Attachment Valve #1 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Disabled or Not Installed	
Attachment Valve #2 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #2 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #2 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Open Time	Disabled or Not Installed	sec
Attachment Valve #2 Close Time	Disabled or Not Installed	sec
Attachment Valve #2 Tool Flow Direction	Disabled or Not Installed	
Attachment Valve #3 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #3 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #3 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #3 Maximum Extend Pressure	1400	kPa
Attachment Valve #3 Maximum Retract Pressure	1400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Attachment Valve #4 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #4 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #4 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Retract Pressure	Disabled or Not Installed	kPa

Attachment Valve #4 Open Time	Disabled or Not Installed	sec
Attachment Valve #4 Close Time	Disabled or Not Installed	sec
Attachment Valve #4 Tool Flow Direction	Disabled or Not Installed	

Tool Configuration - Machine Control 319D (ZGZ00484)

Description	Value	Unit
Tool Program Name	Ramme	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Underspeed Enable	Enabled	
Two Pump Flow Combine Enable	Disabled	
Implement Priority Flow Mode Enable Status	Enabled	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	5	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	50	%
One Way/ Two Way Valve Mode	One Way	
Variable Relief Valve #1 Pressure	23000	kPa
Variable Relief Valve #2 Pressure	23000	kPa
F2 Type Valve Max Flow Derate Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate Start Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate End Pressure	Disabled or Not Installed	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Extend Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Multiple Operation Maximum Retract Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Hydraulic Temperature High Warning Event Threshold	100,0	Deg C
Attachment Valve #1 Flow Setting	140	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Valve #1 Nominal Pressure	23000	kPa

Attachment Valve #1 Maximum Extend Pressure	4000	kPa
Attachment Valve #1 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Disabled or Not Installed	
Attachment Valve #2 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #2 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #2 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Open Time	Disabled or Not Installed	sec
Attachment Valve #2 Close Time	Disabled or Not Installed	sec
Attachment Valve #2 Tool Flow Direction	Disabled or Not Installed	
Attachment Valve #3 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #3 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #3 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #3 Maximum Extend Pressure	1400	kPa
Attachment Valve #3 Maximum Retract Pressure	1400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Attachment Valve #4 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #4 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #4 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Open Time	Disabled or Not Installed	sec
Attachment Valve #4 Close Time	Disabled or Not Installed	sec

Attachment Valve #4 Tool Flow Direction	Disabled or Not Installed	
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Tool Configuration - Machine Control 319D (ZGZ00484)

Description	Value	Unit
Tool Program Name	MP15	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Underspeed Enable	Enabled	
Two Pump Flow Combine Enable	Enabled	
Implement Priority Flow Mode Enable Status	Enabled	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	5	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	50	%
One Way/ Two Way Valve Mode	Two Way	
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate Start Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate End Pressure	Disabled or Not Installed	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Extend Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Multiple Operation Maximum Retract Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Hydraulic Temperature High Warning Event Threshold	100,0	Deg C
Attachment Valve #1 Flow Setting	150	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Valve #1 Nominal Pressure	35000	kPa
Attachment Valve #1 Maximum Extend Pressure	4000	kPa
Attachment Valve #1 Maximum Retract Pressure	4000	kPa

Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Attachment Valve #2 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #2 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #2 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Open Time	Disabled or Not Installed	sec
Attachment Valve #2 Close Time	Disabled or Not Installed	sec
Attachment Valve #2 Tool Flow Direction	Disabled or Not Installed	
Attachment Valve #3 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #3 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #3 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #3 Maximum Extend Pressure	1400	kPa
Attachment Valve #3 Maximum Retract Pressure	1400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Attachment Valve #4 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #4 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #4 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Open Time	Disabled or Not Installed	sec
Attachment Valve #4 Close Time	Disabled or Not Installed	sec
Attachment Valve #4 Tool Flow Direction	Disabled or Not Installed	

Tool Configuration - Machine Control 319D (ZGZ00484)

Description	Value	Unit
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Tool Program Name	H 120	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Underspeed Enable	Enabled	
Two Pump Flow Combine Enable	Disabled	
Implement Priority Flow Mode Enable Status	Enabled	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	5	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	50	%
One Way/ Two Way Valve Mode	One Way	
Variable Relief Valve #1 Pressure	21000	kPa
Variable Relief Valve #2 Pressure	21000	kPa
F2 Type Valve Max Flow Derate Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate Start Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate End Pressure	Disabled or Not Installed	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Extend Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Multiple Operation Maximum Retract Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Hydraulic Temperature High Warning Event Threshold	100,0	Deg C
Attachment Valve #1 Flow Setting	170	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Valve #1 Nominal Pressure	16000	kPa
Attachment Valve #1 Maximum Extend Pressure	4000	kPa
Attachment Valve #1 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Disabled or Not Installed	

Attachment Valve #2 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #2 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #2 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Open Time	Disabled or Not Installed	sec
Attachment Valve #2 Close Time	Disabled or Not Installed	sec
Attachment Valve #2 Tool Flow Direction	Disabled or Not Installed	
Attachment Valve #3 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #3 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #3 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #3 Maximum Extend Pressure	1400	kPa
Attachment Valve #3 Maximum Retract Pressure	1400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Attachment Valve #4 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #4 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #4 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Open Time	Disabled or Not Installed	sec
Attachment Valve #4 Close Time	Disabled or Not Installed	sec
Attachment Valve #4 Tool Flow Direction	Disabled or Not Installed	

Tool Configuration - Machine Control 319D (ZGZ00484)

Description	Value	Unit
Tool Program Name	Sortiergreifer	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Underspeed Enable	Enabled	

Two Pump Flow Combine Enable	Disabled	
Implement Priority Flow Mode Enable Status	Enabled	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	5	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	50	%
One Way/ Two Way Valve Mode	Two Way	
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate Start Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate End Pressure	Disabled or Not Installed	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Extend Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Multiple Operation Maximum Retract Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Hydraulic Temperature High Warning Event Threshold	100,0	Deg C
Attachment Valve #1 Flow Setting	120	L/min
Attachment Valve #1 Multi-Operation Additional Flow	40	L/min
Valve #1 Nominal Pressure	35000	kPa
Attachment Valve #1 Maximum Extend Pressure	4000	kPa
Attachment Valve #1 Maximum Retract Pressure	4000	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Reverse	
Attachment Valve #2 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #2 Multi-Operation Additional Flow	Disabled or Not Installed	L/min

Valve #2 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Open Time	Disabled or Not Installed	sec
Attachment Valve #2 Close Time	Disabled or Not Installed	sec
Attachment Valve #2 Tool Flow Direction	Disabled or Not Installed	
Attachment Valve #3 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #3 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #3 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #3 Maximum Extend Pressure	1400	kPa
Attachment Valve #3 Maximum Retract Pressure	1400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Reverse	
Attachment Valve #4 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #4 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #4 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Open Time	Disabled or Not Installed	sec
Attachment Valve #4 Close Time	Disabled or Not Installed	sec
Attachment Valve #4 Tool Flow Direction	Disabled or Not Installed	

Tool Configuration - Machine Control 319D (ZGZ00484)

Description	Value	Unit
Tool Program Name	Betonz.FRD	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Underspeed Enable	Enabled	
Two Pump Flow Combine Enable	Enabled	
Implement Priority Flow Mode Enable Status	Enabled	

Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	5	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	50	%
One Way/ Two Way Valve Mode	Two Way	
Variable Relief Valve #1 Pressure	32000	kPa
Variable Relief Valve #2 Pressure	32000	kPa
F2 Type Valve Max Flow Derate Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate Start Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate End Pressure	Disabled or Not Installed	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Extend Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Multiple Operation Maximum Retract Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Hydraulic Temperature High Warning Event Threshold	100,0	Deg C
Attachment Valve #1 Flow Setting	200	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Valve #1 Nominal Pressure	32000	kPa
Attachment Valve #1 Maximum Extend Pressure	4000	kPa
Attachment Valve #1 Maximum Retract Pressure	4000	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Attachment Valve #2 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #2 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #2 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Extend Pressure	Disabled or Not Installed	kPa

Attachment Valve #2 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Open Time	Disabled or Not Installed	sec
Attachment Valve #2 Close Time	Disabled or Not Installed	sec
Attachment Valve #2 Tool Flow Direction	Disabled or Not Installed	
Attachment Valve #3 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #3 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #3 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #3 Maximum Extend Pressure	1400	kPa
Attachment Valve #3 Maximum Retract Pressure	1400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Attachment Valve #4 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #4 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #4 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Open Time	Disabled or Not Installed	sec
Attachment Valve #4 Close Time	Disabled or Not Installed	sec
Attachment Valve #4 Tool Flow Direction	Disabled or Not Installed	

Tool Configuration - Machine Control 319D (ZGZ00484)

Description	Value	Unit
Tool Program Name	AUX-PUMP	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Underspeed Enable	Enabled	
Two Pump Flow Combine Enable	Disabled	
Implement Priority Flow Mode Enable Status	Enabled	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	5	%

Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	50	%
One Way/ Two Way Valve Mode	Two Way	
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate Start Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate End Pressure	Disabled or Not Installed	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Extend Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Multiple Operation Maximum Retract Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Hydraulic Temperature High Warning Event Threshold	100,0	Deg C
Attachment Valve #1 Flow Setting	0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Valve #1 Nominal Pressure	40000	kPa
Attachment Valve #1 Maximum Extend Pressure	0	kPa
Attachment Valve #1 Maximum Retract Pressure	0	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Attachment Valve #2 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #2 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #2 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Open Time	Disabled or Not Installed	sec

Attachment Valve #2 Close Time	Disabled or Not Installed	sec
Attachment Valve #2 Tool Flow Direction	Disabled or Not Installed	
Attachment Valve #3 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #3 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #3 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #3 Maximum Extend Pressure	1400	kPa
Attachment Valve #3 Maximum Retract Pressure	1400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Attachment Valve #4 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #4 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #4 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Open Time	Disabled or Not Installed	sec
Attachment Valve #4 Close Time	Disabled or Not Installed	sec
Attachment Valve #4 Tool Flow Direction	Disabled or Not Installed	

Tool Configuration - Machine Control 319D (ZGZ00484)

Description	Value	Unit
Tool Program Name	Stubbenfraese	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Underspeed Enable	Enabled	
Two Pump Flow Combine Enable	Enabled	
Implement Priority Flow Mode Enable Status	Enabled	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	5	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	50	%
One Way/ Two Way Valve Mode	One Way	

Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa
F2 Type Valve Max Flow Derate Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate Start Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate End Pressure	Disabled or Not Installed	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Extend Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Multiple Operation Maximum Retract Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Hydraulic Temperature High Warning Event Threshold	126,0	Deg C
Attachment Valve #1 Flow Setting	140	L/min
Attachment Valve #1 Multi-Operation Additional Flow	50	L/min
Valve #1 Nominal Pressure	35000	kPa
Attachment Valve #1 Maximum Extend Pressure	1539	kPa
Attachment Valve #1 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Disabled or Not Installed	
Attachment Valve #2 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #2 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #2 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Open Time	Disabled or Not Installed	sec
Attachment Valve #2 Close Time	Disabled or Not Installed	sec
Attachment Valve #2 Tool Flow Direction	Disabled or Not Installed	

Attachment Valve #3 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #3 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #3 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #3 Maximum Extend Pressure	1400	kPa
Attachment Valve #3 Maximum Retract Pressure	1400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Attachment Valve #4 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #4 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #4 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Open Time	Disabled or Not Installed	sec
Attachment Valve #4 Close Time	Disabled or Not Installed	sec
Attachment Valve #4 Tool Flow Direction	Disabled or Not Installed	

Tool Configuration - Machine Control 319D (ZGZ00484)

Description	Value	Unit
Tool Program Name	0	
Maximum Throttle Dial	10	
Minimum Throttle Dial Position	1	
Underspeed Enable	Enabled	
Two Pump Flow Combine Enable	Disabled	
Implement Priority Flow Mode Enable Status	Enabled	
Initial Tool Program Medium Pressure Circuit Main Pump Torque Reduction	5	%
Total Tool Program Medium Pressure Circuit Main Pump Torque Reduction	50	%
One Way/ Two Way Valve Mode	Two Way	
Variable Relief Valve #1 Pressure	40000	kPa
Variable Relief Valve #2 Pressure	40000	kPa

F2 Type Valve Max Flow Derate Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate Start Pressure	Disabled or Not Installed	kPa
F2 Type Valve Flow Derate End Pressure	Disabled or Not Installed	kPa
Multiple Operation Maximum Extend Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Retract Pilot Pressure for Attachment Valve #1	4000	kPa
Multiple Operation Maximum Extend Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Multiple Operation Maximum Retract Pilot Pres for Combined Attachment Valve	Disabled or Not Installed	kPa
Hydraulic Temperature High Warning Event Threshold	126,0	Deg C
Attachment Valve #1 Flow Setting	0	L/min
Attachment Valve #1 Multi-Operation Additional Flow	0	L/min
Valve #1 Nominal Pressure	16000	kPa
Attachment Valve #1 Maximum Extend Pressure	4000	kPa
Attachment Valve #1 Maximum Retract Pressure	4000	kPa
Attachment Valve #1 Open Time	0,20	sec
Attachment Valve #1 Close Time	0,20	sec
Attachment Valve #1 Tool Flow Direction	Normal	
Attachment Valve #2 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #2 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #2 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #2 Open Time	Disabled or Not Installed	sec
Attachment Valve #2 Close Time	Disabled or Not Installed	sec
Attachment Valve #2 Tool Flow Direction	Disabled or Not Installed	
Attachment Valve #3 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #3 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #3 Nominal Pressure	Disabled or Not Installed	kPa

Attachment Valve #3 Maximum Extend Pressure	1400	kPa
Attachment Valve #3 Maximum Retract Pressure	1400	kPa
Attachment Valve #3 Open Time	0,20	sec
Attachment Valve #3 Close Time	0,20	sec
Attachment Valve #3 Tool Flow Direction	Normal	
Attachment Valve #4 Flow Setting	Disabled or Not Installed	L/min
Attachment Valve #4 Multi-Operation Additional Flow	Disabled or Not Installed	L/min
Valve #4 Nominal Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Extend Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Maximum Retract Pressure	Disabled or Not Installed	kPa
Attachment Valve #4 Open Time	Disabled or Not Installed	sec
Attachment Valve #4 Close Time	Disabled or Not Installed	sec
Attachment Valve #4 Tool Flow Direction	Disabled or Not Installed	