

QUANTUM® 75N
QUANTUM® 85N
QUANTUM® 95N
QUANTUM® 105N
QUANTUM® 65V
QUANTUM® 75V
QUANTUM® 85V
QUANTUM® 95V
QUANTUM® 105V
Tractor

SERVICE MANUAL

Part number 47888391

English
July 2016



Link Product / Engine

Product	Market Product	Engine
Quantum® 105N With cab [ZBJF20417 -]	Australia New Zealand	F4CE9484
Quantum® 105N With cab [ZBJF20417 -]	Europe	F4CE9484
Quantum® 105N With cab [ZBJF20417 -]	Asia Pacific	F4CE9484
Quantum® 105N With cab [ZBJF20417 -]	Middle East Africa	F4CE9484
Quantum® 105N Without cab [ZCJF16900 -]	Middle East Africa	F4CE9484
Quantum® 105N Without cab [ZCJF16900 -]	Australia New Zealand	F4CE9484
Quantum® 105N Without cab [ZCJF16900 -]	Europe	F4CE9484
Quantum® 105N Without cab [ZCJF16900 -]	Asia Pacific	F4CE9484
Quantum® 75N With cab [Z8JF19102 - ZCJF10907]	Middle East Africa	F5AE9484B
Quantum® 75N With cab [Z8JF19102 - ZCJF10907]	Asia Pacific	F5AE9484B
Quantum® 75N With cab [Z8JF19102 - ZCJF10907]	Australia New Zealand	F5AE9484B
Quantum® 75N With cab [Z8JF19102 - ZCJF10907]	Europe	F5AE9484B
Quantum® 75N Without cab [Z9JF01865 - ZCJF07697]	Asia Pacific	F5AE9484B
Quantum® 75N Without cab [Z9JF01865 - ZCJF07697]	Middle East Africa	F5AE9484B
Quantum® 75N Without cab [Z9JF01865 - ZCJF07697]	Australia New Zealand	F5AE9484B
Quantum® 75N Without cab [Z9JF01865 - ZCJF07697]	Europe	F5AE9484B
Quantum® 75N With cab - Model Year 2012 [ZCJF06107 -]	Middle East Africa	F5AE9484B
Quantum® 75N With cab - Model Year 2012 [ZCJF06107 -]	Australia New Zealand	F5AE9484B
Quantum® 75N With cab - Model Year 2012 [ZCJF06107 -]	Asia Pacific	F5AE9484B
Quantum® 75N With cab - Model Year 2012 [ZCJF06107 -]	Europe	F5AE9484B
Quantum® 75N Without cab - Model Year 2012 [ZCJF07813 -]	Europe	F5AE9484B
Quantum® 75N Without cab - Model Year 2012 [ZCJF07813 -]	Asia Pacific	F5AE9484B
Quantum® 75N Without cab - Model Year 2012 [ZCJF07813 -]	Middle East Africa	F5AE9484B
Quantum® 75N Without cab - Model Year 2012 [ZCJF07813 -]	Australia New Zealand	F5AE9484B

Product	Market Product	Engine
Quantum® 85N With cab [Z8JF17086 - ZCJF09425]	Middle East Africa	F5AE9484G
Quantum® 85N With cab [Z8JF17086 - ZCJF09425]	Australia New Zealand	F5AE9484G
Quantum® 85N With cab [Z8JF17086 - ZCJF09425]	Europe	F5AE9484G
Quantum® 85N With cab [Z8JF17086 - ZCJF09425]	Asia Pacific	F5AE9484G
Quantum® 85N Without cab [Z9JF01936 - ZCJF10868]	Europe	F5AE9484G
Quantum® 85N Without cab [Z9JF01936 - ZCJF10868]	Middle East Africa	F5AE9484G
Quantum® 85N Without cab [Z9JF01936 - ZCJF10868]	Australia New Zealand	F5AE9484G
Quantum® 85N Without cab [Z9JF01936 - ZCJF10868]	Asia Pacific	F5AE9484G
Quantum® 85N With cab - Model Year 2012 [ZCJF08828 -]	Australia New Zealand	F5AE9484G
Quantum® 85N With cab - Model Year 2012 [ZCJF08828 -]	Europe	F5AE9484G
Quantum® 85N With cab - Model Year 2012 [ZCJF08828 -]	Middle East Africa	F5AE9484G
Quantum® 85N With cab - Model Year 2012 [ZCJF08828 -]	Asia Pacific	F5AE9484G
Quantum® 85N Without cab - Model Year 2012 [ZCJF16077 -]	Middle East Africa	F5AE9484G
Quantum® 85N Without cab - Model Year 2012 [ZCJF16077 -]	Australia New Zealand	F5AE9484G
Quantum® 85N Without cab - Model Year 2012 [ZCJF16077 -]	Europe	F5AE9484G
Quantum® 85N Without cab - Model Year 2012 [ZCJF16077 -]	Asia Pacific	F5AE9484G
Quantum® 95N With cab [Z9JF00469 - ZCJF10732]	Europe	F4CE9484
Quantum® 95N With cab [Z9JF00469 - ZCJF10732]	Middle East Africa	F4CE9484
Quantum® 95N With cab [Z9JF00469 - ZCJF10732]	Australia New Zealand	F4CE9484
Quantum® 95N With cab [Z9JF00469 - ZCJF10732]	Asia Pacific	F4CE9484
Quantum® 95N Without cab [Z9JF01090 - ZCJF05141]	Europe	F4CE9484
Quantum® 95N Without cab [Z9JF01090 - ZCJF05141]	Middle East Africa	F4CE9484
Quantum® 95N Without cab [Z9JF01090 - ZCJF05141]	Asia Pacific	F4CE9484
Quantum® 95N Without cab [Z9JF01090 - ZCJF05141]	Australia New Zealand	F4CE9484
Quantum® 95N With cab - Model Year 2012 [ZCJF13045 -]	Middle East Africa	F4CE9484
Quantum® 95N With cab - Model Year 2012 [ZCJF13045 -]	Australia New Zealand	F4CE9484

Product	Market Product	Engine
Quantum® 95N With cab - Model Year 2012 [ZCJF13045 -]	Europe	F4CE9484
Quantum® 95N With cab - Model Year 2012 [ZCJF13045 -]	Asia Pacific	F4CE9484
Quantum® 95N Without cab - Model Year 2012 [ZCJF15989 -]	Asia Pacific	F4CE9484
Quantum® 95N Without cab - Model Year 2012 [ZCJF15989 -]	Europe	F4CE9484
Quantum® 95N Without cab - Model Year 2012 [ZCJF15989 -]	Middle East Africa	F4CE9484
Quantum® 95N Without cab - Model Year 2012 [ZCJF15989 -]	Australia New Zealand	F4CE9484
Quantum® 105V With Cab [ZBJF20562 -]	Australia New Zealand	F4CE9484
Quantum® 105V With Cab [ZBJF20562 -]	Asia Pacific	F4CE9484
Quantum® 105V With Cab [ZBJF20562 -]	Middle East Africa	F4CE9484
Quantum® 105V With Cab [ZBJF20562 -]	Europe	F4CE9484
Quantum® 105V Without cab [ZDJF09419 -]	Asia Pacific	F4CE9484
Quantum® 105V Without cab [ZDJF09419 -]	Middle East Africa	F4CE9484
Quantum® 105V Without cab [ZDJF09419 -]	Australia New Zealand	F4CE9484
Quantum® 105V Without cab [ZDJF09419 -]	Europe	F4CE9484
Quantum® 65V With cab [Z9JF00972 - ZCJF10921]	Australia New Zealand	F5AE9484A
Quantum® 65V With cab [Z9JF00972 - ZCJF10921]	Asia Pacific	F5AE9484A
Quantum® 65V With cab [Z9JF00972 - ZCJF10921]	Europe	F5AE9484A
Quantum® 65V With cab [Z9JF00972 - ZCJF10921]	Middle East Africa	F5AE9484A
Quantum® 65V Without cab [Z8JF21396 - ZCJF08259]	Asia Pacific	F5AE9484A
Quantum® 65V Without cab [Z8JF21396 - ZCJF08259]	Australia New Zealand	F5AE9484A
Quantum® 65V Without cab [Z8JF21396 - ZCJF08259]	Europe	F5AE9484A
Quantum® 65V Without cab [Z8JF21396 - ZCJF08259]	Middle East Africa	F5AE9484A
Quantum® 65V With cab - Model Year 2012 [ZCJF13639 -]	Australia New Zealand	F5AE9484A
Quantum® 65V With cab - Model Year 2012 [ZCJF13639 -]	Asia Pacific	F5AE9484A
Quantum® 65V With cab - Model Year 2012 [ZCJF13639 -]	Middle East Africa	F5AE9484A
Quantum® 65V With cab - Model Year 2012 [ZCJF13639 -]	Europe	F5AE9484A

Product	Market Product	Engine
Quantum® 65V Without cab - Model Year 2012 [ZCJF15226 -]	Middle East Africa	F5AE9484A
Quantum® 65V Without cab - Model Year 2012 [ZCJF15226 -]	Australia New Zealand	F5AE9484A
Quantum® 65V Without cab - Model Year 2012 [ZCJF15226 -]	Asia Pacific	F5AE9484A
Quantum® 65V Without cab - Model Year 2012 [ZCJF15226 -]	Europe	F5AE9484A
Quantum® 75V With cab [Z9JF00139 - ZCJF10900]	Australia New Zealand	F5AE9484B
Quantum® 75V With cab [Z9JF00139 - ZCJF10900]	Asia Pacific	F5AE9484B
Quantum® 75V With cab [Z9JF00139 - ZCJF10900]	Europe	F5AE9484B
Quantum® 75V With cab [Z9JF00139 - ZCJF10900]	Middle East Africa	F5AE9484B
Quantum® 75V Without cab [Z9JF01251 - ZCJF10870]	Europe	F5AE9484B
Quantum® 75V Without cab [Z9JF01251 - ZCJF10870]	Asia Pacific	F5AE9484B
Quantum® 75V Without cab [Z9JF01251 - ZCJF10870]	Australia New Zealand	F5AE9484B
Quantum® 75V Without cab [Z9JF01251 - ZCJF10870]	Middle East Africa	F5AE9484B
Quantum® 75V With cab - Model Year 2012 [ZCJF06425 -]	Australia New Zealand	F5AE9484B
Quantum® 75V With cab - Model Year 2012 [ZCJF06425 -]	Europe	F5AE9484B
Quantum® 75V With cab - Model Year 2012 [ZCJF06425 -]	Asia Pacific	F5AE9484B
Quantum® 75V With cab - Model Year 2012 [ZCJF06425 -]	Middle East Africa	F5AE9484B
Quantum® 75V Without cab - Model Year 2012 [ZCJF19458 -]	Europe	F5AE9484B
Quantum® 75V Without cab - Model Year 2012 [ZCJF19458 -]	Australia New Zealand	F5AE9484B
Quantum® 75V Without cab - Model Year 2012 [ZCJF19458 -]	Middle East Africa	F5AE9484B
Quantum® 75V Without cab - Model Year 2012 [ZCJF19458 -]	Asia Pacific	F5AE9484B
Quantum® 85V With cab [Z9JF00120 - ZCJF04655]	Middle East Africa	F5AE9484G
Quantum® 85V With cab [Z9JF00120 - ZCJF04655]	Australia New Zealand	F5AE9484G
Quantum® 85V With cab [Z9JF00120 - ZCJF04655]	Europe	F5AE9484G
Quantum® 85V With cab [Z9JF00120 - ZCJF04655]	Asia Pacific	F5AE9484G
Quantum® 85V Without cab [Z9JF04964 - ZBJF25041]	Asia Pacific	F5AE9484G
Quantum® 85V Without cab [Z9JF04964 - ZBJF25041]	Australia New Zealand	F5AE9484G

Product	Market Product	Engine
Quantum® 85V Without cab [Z9JF04964 - ZBJF25041]	Europe	F5AE9484G
Quantum® 85V Without cab [Z9JF04964 - ZBJF25041]	Middle East Africa	F5AE9484G
Quantum® 85V With cab - Model Year 2012 [ZCJF06112 -]	Middle East Africa	F5AE9484G
Quantum® 85V With cab - Model Year 2012 [ZCJF06112 -]	Asia Pacific	F5AE9484G
Quantum® 85V With cab - Model Year 2012 [ZCJF06112 -]	Europe	F5AE9484G
Quantum® 85V With cab - Model Year 2012 [ZCJF06112 -]	Australia New Zealand	F5AE9484G
Quantum® 85V Without cab - Model Year 2012 [ZCJF14873 -]	Middle East Africa	F5AE9484G
Quantum® 85V Without cab - Model Year 2012 [ZCJF14873 -]	Australia New Zealand	F5AE9484G
Quantum® 85V Without cab - Model Year 2012 [ZCJF14873 -]	Asia Pacific	F5AE9484G
Quantum® 85V Without cab - Model Year 2012 [ZCJF14873 -]	Europe	F5AE9484G
Quantum® 95V With cab [Z9JF00473 - ZCJF10908]	Middle East Africa	F4CE9484
Quantum® 95V With cab [Z9JF00473 - ZCJF10908]	Europe	F4CE9484
Quantum® 95V With cab [Z9JF00473 - ZCJF10908]	Australia New Zealand	F4CE9484
Quantum® 95V With cab [Z9JF00473 - ZCJF10908]	Asia Pacific	F4CE9484
Quantum® 95V Without cab [Z9JF03117 - ZCJF06933]	Europe	F4CE9484
Quantum® 95V Without cab [Z9JF03117 - ZCJF06933]	Australia New Zealand	F4CE9484
Quantum® 95V Without cab [Z9JF03117 - ZCJF06933]	Asia Pacific	F4CE9484
Quantum® 95V Without cab [Z9JF03117 - ZCJF06933]	Middle East Africa	F4CE9484
Quantum® 95V With cab - Model Year 2012 [ZCJF07824 -]	Europe	F4CE9484
Quantum® 95V With cab - Model Year 2012 [ZCJF07824 -]	Asia Pacific	F4CE9484
Quantum® 95V With cab - Model Year 2012 [ZCJF07824 -]	Middle East Africa	F4CE9484
Quantum® 95V With cab - Model Year 2012 [ZCJF07824 -]	Australia New Zealand	F4CE9484
Quantum® 95V Without cab - Model Year 2012 [ZEJF01355 -]	Asia Pacific	F4CE9484
Quantum® 95V Without cab - Model Year 2012 [ZEJF01355 -]	Australia New Zealand	F4CE9484
Quantum® 95V Without cab - Model Year 2012 [ZEJF01355 -]	Europe	F4CE9484
Quantum® 95V Without cab - Model Year 2012 [ZEJF01355 -]	Middle East Africa	F4CE9484

Contents

INTRODUCTION

Engine.....	10
[10.001] Engine and crankcase	10.1
Clutch	18
[18.100] Clutch mechanical release control	18.1
[18.104] Clutch hydraulic release control.....	18.2
[18.110] Clutch and components	18.3
Transmission.....	21
[21.114] Mechanical transmission	21.1
[21.130] Mechanical transmission external controls.....	21.2
[21.140] Mechanical transmission internal components.....	21.3
[21.112] Power shuttle transmission.....	21.4
[21.134] Power shuttle transmission external controls	21.5
[21.154] Power shuttle transmission internal components	21.6
[21.145] Gearbox internal components.....	21.7
[21.160] Creeper	21.8
[21.162] Reverser	21.9
[21.168] Hi-Lo unit.....	21.10
[21.182] Differential.....	21.11
Four-Wheel Drive (4WD) system	23
[23.202] Electro-hydraulic control	23.1
[23.304] Four-Wheel Drive (4WD) gearbox	23.2
[23.314] Drive shaft.....	23.3
Front axle system	25
[25.100] Powered front axle	25.1
[25.102] Front bevel gear set and differential	25.2

[25.108] Final drive hub, steering knuckles, and shafts	25.3
[25.122] Axle suspension control	25.4
[25.310] Final drives	25.5
[25.400] Non-powered front axle	25.6
Rear axle system.....	27
[27.100] Powered rear axle.....	27.1
[27.106] Rear bevel gear set and differential	27.2
[27.120] Planetary and final drives	27.3
[27.126] Spur gear and final drives	27.4
Power Take-Off (PTO)	31
[31.101] Rear mechanical control	31.1
Brakes and controls	33
[33.202] Hydraulic service brakes	33.1
[33.110] Parking brake or parking lock	33.2
[33.220] Trailer brake hydraulic control.....	33.3
Hydraulic systems.....	35
[35.000] Hydraulic systems.....	35.1
[35.300] Reservoir, cooler, and filters.....	35.2
[35.104] Fixed displacement pump	35.3
[35.204] Remote control valves	35.4
[35.600] High flow hydraulics	35.5
[35.100] Main lift system.....	35.6
[35.114] Three-point hitch control valve	35.7
[35.116] Three-point hitch cylinder	35.8
Hitches, drawbars, and implement couplings.....	37
[37.110] Rear three-point hitch	37.1
[37.108] Rear three-point hitch external controls.....	37.2
Steering.....	41

[41.101] Steering control	41.1
[41.200] Hydraulic control components.....	41.2
Wheels	44
[44.511] Front wheels.....	44.1
Cab climate control	50
[50.100] Heating	50.1
[50.104] Ventilation	50.2
[50.200] Air conditioning.....	50.3
Electrical systems	55
[55.000] Electrical system	55.1
[55.100] Harnesses and connectors.....	55.2
[55.201] Engine starting system.....	55.3
[55.301] Alternator.....	55.4
[55.302] Battery.....	55.5
[55.202] Cold start aid	55.6
[55.640] Electronic modules	55.7
[55.051] Cab Heating, Ventilation, and Air-Conditioning (HVAC) controls.....	55.8
[55.050] Heating, Ventilation, and Air-Conditioning (HVAC) control system.....	55.9
[55.047] Steering control system	55.10
[55.523] Cab hitch controls	55.11
[55.130] Rear three-point hitch electronic control system	55.12
[55.404] External lighting	55.13
[55.514] Cab lighting	55.14
[55.511] Light harnesses	55.15
[55.408] Warning indicators, alarms, and instruments	55.16
[55.DTC] FAULT CODES.....	55.17
Platform, cab, bodywork, and decals	90
[90.110] Operator platform less cab	90.1

[90.114] Operator protections 90.2

[90.150] Cab..... 90.3

[90.151] Cab interior..... 90.4

[90.154] Cab doors and hatches 90.5

[90.100] Engine hood and panels 90.6

[90.102] Engine shields, hood latches, and trims 90.7

[90.160] Cab interior trim and panels..... 90.8

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com