

Professional washing machine, electrically heated, with drain valve and detergent drawer, M Touch Pro Plus freely programmable, for marine use.



- Drum volume 180 l 180 l, maximum load size 20.0 kg 20.0 kg
- Top cleaning & consumption values innovative Miele technology
- Ideal operation thanks to colour touch display – M Touch Pro Plus
- Simple and safe operation thanks to automatic door lock
- Connected for the future using LAN and WiFi

EAN: 4002516392538 / Material number: 11683010 / Old Material Number: 51920006SOM

Construction typeFront loaderRangePerformance PlusFrontStainless steelControl panel colourStainless steelMaximum load with a load ratio of 1:9 in kg20.0Load ratio1:9Load in kg20.0Drum volume in I180Door opening [Q] in mm415Door opening angle in degrees180Door opening angle in degrees180Door hingerightAutomatic door look•Maintenance-free motor with frequency converter•Patented honeycomb drum 2.0•ApplicationSuitable for offshore useSuitable for offshore use•Suitable for offshore use•Specific water consumption for cold water connection in I/KMr/kg5.90Specific water consumption for hot water connection in IKMr/kg2.80Parange onsumption for hot water connection in IWater consumption for hot water connection in IWater consumption for cold water connection in IWater consumption for cold water connection in IWater consumption for hot water connection in IWater consumption for cold water connection in IWater consumption for hot water connection in IWater consumption for cold water connection in IWater consumption for cold water connection in MpsStandard 60 °C programme in IEnergy consumption for hot water connection in MpsStandard 60 °C programme in IEnergy consumption for hot water connection in MpsStandard 60	Construction type and version	
Range     Performance Plus       Front     Stainless steel       Control panel colour     Stainless steel       Maximum load with a load ratio of 1:9 in kg     20.0       Load ratio     1:9       Load in kg     20.0       Durn volume in 1     180       Door opening (Ø) in mm     415       Door opening angle in degrees     180       Door opening angle in degrees     180       Door opening angle in degrees     180       Door hinge     right       Automatic door lock     •       Innovative suds container     •       Maintenance-free motor with frequency converter     •       Patented honeycomb drum 2.0     •       Application     •       Suitable for offshore use     •       Suitable for offshore use     •       Performance data     •       Tested virucidal efficacy     •       Proven hygiene     •       Specific energy consumption for cold water connection in Vkg     5.90       Specific energy consumption for hot water connection in Vkm/kg     •       Water consumption with cold water connection in Mops     55       Specific energy consumption for hot water connection in Mops     1.10       Energy consumption for cold water connection in Mops     55       Standard 60 °C progr		Front loader
Front         Stainless steel           Control panel colour         Stainless steel           Maximum load with a load ratio of 1:9 in kg         20.0           Load ratio         1:9           Load ratio         1:0           Door opening [0] in mm         415           Door opening angle in degrees         180           Door value suds container         •           Maintenance-free motor with frequency converter         •           Pattented honeycomb drum 2.0         •           Application         •           Suitable for offshore use         •           Suitable for offshore use         •           Suitable for onsumption for cold water connection in <i>V</i> 6.20           kg         •           Specific water consumption for cold water connection in <i>V</i> 6.90           Specific water consumption for hot water connection in <i>N</i> 5.90           Specific energy consumption for hot water connection in <i>N</i> 28.0           Specific energy consumption for hot water connection in Mops         24.3		·
Control panel colour         Stainless steel           Maximum load with a load ratio of 1:9 in kg         20.0           Load ratio         1:9           Load ratio         1:9           Load in kg         20.0           Drum volume in 1         180           Door opening [Ø] in mm         415           Door opening angle in degrees         180           Door thinge         right           Automatic door lock         •           Innovative suds container         •           Maintenance-free motor with frequency converter         •           Patented honeycomb drum 2.0         •           Application         •           Suitable for offshore use         •           Suitable for offshore use         •           Suitable for marine use         •           Proven hygiene         •           Specific water consumption for cold water connection in I/kg         5.90           Specific water consumption for hot water connection in Mogs         5.90           Specific energy consumption for cold water connection in Mogs         284.3           Standard 60 °C programme in 1         1124.0           Water consumption for cold water connection in Mogs         280.0           Energy consumption for dwater conne		
Maximum load with a load ratio of 1:9 in kg         20.0           Load ratio         1:9           Load in kg         20.0           Dorn rolume in I         180           Door opening angle in degrees         180           Door opening angle in degrees         180           Door hinge         right           Automatic door lock         •           Innovative suds container         •           Maintenance-free motor with frequency converter         •           Patented honeycomb drum 2.0         •           Application         •           Suitable for offshore use         •           Suitable for marine use         •           Performance data         •           Tested vincidal efficacy         •           Proven hygiene         •           Specific energy consumption for cold water connection in I/kg         5.90           Specific energy consumption for hot water connection in I         124.0           Water consumption with cold water connection in Mops         234.3           standard 60 °C programme in I         214.0           Energy consumption with cold water connection in Mops         234.3           standard 60 °C programme in NMP         229.0           standard 60 °C programme in I <td></td> <td></td>		
Load ratio       1:9         Load in kg       20.0         Drum volume in 1       180         Door opening [0] in mm       415         Door opening angle in degrees       180         Door hinge       right         Automatic door lock       •         Innovative suds container       •         Maintenance-free motor with frequency converter       •         Patented honeycomb drum 2.0       •         Application       •         Suitable for offshore use       •         Suitable for marine use       •         Proven hygiene       •         Specific energy consumption for cold water connection in I/kg       5.90         Specific energy consumption for hot water connection in I/kg       5.90         Specific energy consumption for hot water connection in I/kg       5.90         Specific energy consumption for cold water connection in I/kg       5.90         Specific energy consumption for cold water connection in Mops       234.3         standard 60 °C programme in I       124.0         Water consumption with cold water connection in Mops       4.10         standard 60 °C programme in N       280.0         Energy consumption for hot water connection in Mops       1.70         standard 60 °C program	i	·
Load in kg       20.0         Drum volume in I       180         Door opening [Ø] in mm       415         Door opening angle in degrees       180         Door opening (Ø] in mm       415         Door opening angle in degrees       180         Maintenance-free motor with frequency converter       •         Patented honeycomb drum 2.0       •         Application       •         Suitable for offshore use       •         Suitable for marine use       •         Performance data       •         Tested virucidal efficacy       •         Proven hygiene       •         Specific water consumption for cold water connection in I/K       6.20         kg       Specific water consumption for hot water connection in I/K       5.90         Specific energy consumption for hot water connection in I/K       5.90         Specific energy consumption for cold water connection in Mops       234.3         standard 60 °C programme in KWh       1118.0 <td></td> <td></td>		
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Water consumption with hot water connection in I       118.0         Water consumption for hot water connection in Mops       229.0         standard 60 °C programme in I       1.20         Energy consumption with hot water connection in Mops       1.70         standard 60 °C programme in kWh       1.70         Programme duration in minutes with cold water and hot       44         water consumption in ECO programme with cold water       116.0         connection in I       2.00         Programme duration in minutes with cold water       35         in ECO programme       35         water consumption in ECO programme with hot water connection       31		55
standard 60 °C programme in IEnergy consumption with hot water connection in kW1.20Energy consumption for hot water connection in Mops standard 60 °C programme in kWh1.70Programme duration in minutes with cold water and hot water connection44Water consumption in ECO programme with cold water connection in I116.0Energy consumption in ECO programme with cold water connection in I2.00Programme duration in minutes with cold water connection in ECO programme with cold water35in ECO programme114.0		118.0
Energy consumption with hot water connection in kW       1.20         Energy consumption for hot water connection in Mops       1.70         standard 60 °C programme in kWh       1.70         Programme duration in minutes with cold water and hot       44         water connection       116.0         Water consumption in ECO programme with cold water       116.0         Energy consumption in ECO programme with cold water       2.00         Programme duration in minutes with cold water connection       35         in ECO programme       35         Water consumption in ECO programme with hot water       114.0	Water consumption for hot water connection in Mops	229.0
Energy consumption for hot water connection in Mops standard 60 °C programme in kWh1.70Programme duration in minutes with cold water and hot water connection44Water consumption in ECO programme with cold water connection in I116.0Energy consumption in ECO programme with cold water connection in ECO programme with cold water swith cold water2.00Programme duration in minutes with cold water connection in ECO programme with cold water connection in ECO programme35Water consumption in ECO programme with hot water in ECO programme114.0		1.20
Programme duration in minutes with cold water and hot water connection       44         Water consumption in ECO programme with cold water consumption in ECO programme with cold water       116.0         Energy consumption in ECO programme with cold water       2.00         Programme duration in minutes with cold water connection in ECO programme       35         in ECO programme       114.0         Connection in I       114.0	Energy consumption for hot water connection in Mops	
Water consumption in ECO programme with cold water connection in I116.0Energy consumption in ECO programme with cold water2.00Programme duration in minutes with cold water connection in ECO programme35Water consumption in ECO programme with hot water connection in I114.0	Programme duration in minutes with cold water and hot	44
Energy consumption in ECO programme with cold water2.00Programme duration in minutes with cold water connection in ECO programme35Water consumption in ECO programme with hot water connection in I114.0	Water consumption in ECO programme with cold water	116.0
Programme duration in minutes with cold water connection       35         in ECO programme       114.0         Water consumption in ECO programme with hot water       114.0		2.00
Water consumption in ECO programme with hot water       114.0         connection in I       114.0	Programme duration in minutes with cold water connection	
	Water consumption in ECO programme with hot water	114.0
		0.60



Professional washing machine, electrically heated, with drain valve and detergent drawer, M Touch Pro Plus freely programmable, for marine use.



LAN. 40023103923307 Material Humber. 110030107 Old W	
Programme duration in minutes with cold water and hot water connection in ECO programme	33
Programme running time in minutes for Mops standard 60 °C programme with cold water connection	61
Programme running time in minutes for Mops standard 60 °C programme with hot water connection	55
Residual moisture with cold rinse in %	48
Residual moisture with hot rinse in %	44
Residual moisture when processing cleaning cloths in %	25
Spin speed in rpm	1075
g factor	462
Tested operating hours	30000
Control system	
Control system	M Touch Pro Plus
Programmability	Freely programmable
Max. delay start in h	Freely selectable
Time left display	
Programme sequence indicator	•
Selectable display languages	
Option to enter weight prior to start of programme	•
Standard/target grp programmes	
Basic programmes	•
Dispensing	
Detergent drawer	3 compartments
Maximum number of connections for liquid dispenser pumps [number]	12
Empty sensor	•
Empty sensor Standard electrical connection	•
	• Electric
Standard electrical connection	
Standard electrical connection Heating type	Electric
Standard electrical connection         Heating type         Electrical connection	Electric 3 AC 400V 50 HZ
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW	Electric 3 AC 400V 50 HZ 18.00
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW	Electric 3 AC 400V 50 HZ 18.00 19.00
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A	Electric 3 AC 400V 50 HZ 18.00 19.00
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1	Electric 3 AC 400V 50 HZ 18.00 19.00 35
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 19.00
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW         Total connection         Heater rating in kW         Fuse rating in kW         Total connected load in kW         Fuse rating in A	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Water rating in A         Water connection/drainage	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 35
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW         Total connection         Heater rating in kW         Fuse rating in kW         Total connected load in kW         Fuse rating in A	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 35 3 x 1/2" hose w/ 3/4" union 1x 1/2" hose w/ 3/4" th.
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Water rating in A         Water connection/drainage         Cold water [number]         Hot water [number]	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 35 3 x 1/2" hose w/ 3/4" union 1x 1/2" hose w/ 3/4" th. union
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Water connected load in kW         Fuse rating in A         Water connection/drainage         Cold water [number]         Hot water (optional) [number]	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 35 3 x 1/2" hose w/ 3/4" union 1x 1/2" hose w/ 3/4" th. union 2 x 1/2" w/ 3/4" union
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Water rating in A         Water connection/drainage         Cold water [number]         Hot water (optional) [number]         Dump valve	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 35 3 x 1/2" hose w/ 3/4" union 1x 1/2" hose w/ 3/4" th. union
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in kW         Total connected load in kW         Fuse rating in A         Water connection/drainage         Cold water [number]         Hot water [number]         Hard water (optional) [number]         Dump valve         Dimensions and weight	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 35 3 x 1/2" hose w/ 3/4" union 1x 1/2" hose w/ 3/4" th. union 2 x 1/2" w/ 3/4" union DN 70
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Water connected load in kW         Fuse rating in A         Water connection/drainage         Cold water [number]         Hot water (optional) [number]         Dump valve         Dimensions and weight         External dimensions, height in mm	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 35 3 x 1/2" hose w/ 3/4" union 1x 1/2" hose w/ 3/4" th. union 2 x 1/2" w/ 3/4" union DN 70 1450
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in kW         Total connected load in kW         Fuse rating in A         Water connection/drainage         Cold water [number]         Hord water (optional) [number]         Dump valve         Dimensions and weight         External dimensions, height in mm         External dimensions, width in mm	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 35 3 x 1/2" hose w/ 3/4" union 1x 1/2" hose w/ 3/4" union 1x 1/2" hose w/ 3/4" union 2 x 1/2" w/ 3/4" union DN 70 1450 924
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in kW         Total connected load in kW         Fuse rating in A         Water connected load in kW         Fuse rating in A         Water connection/drainage         Cold water [number]         Hot water [number]         Hard water (optional) [number]         Dump valve         Dimensions and weight         External dimensions, height in mm         External dimensions, width in mm         External dimensions, depth in mm	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 35 3 X 1/2" hose w/ 3/4" union 1x 1/2" hose w/ 3/4" th. union 2 x 1/2" w/ 3/4" union DN 70 1450 924 935
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in kW         Total connected load in kW         Fuse rating in A         Water connection/drainage         Cold water [number]         Hot water [number]         Hard water (optional) [number]         Dump valve         Dimensions and weight         External dimensions, height in mm         External dimensions, gross height in mm         External dimensions, gross height in mm	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 35 3 X 1/2" hose w/ 3/4" union 1x 1/2" hose w/ 3/4" union 1x 1/2" hose w/ 3/4" union 1x 1/2" w/ 3/4" union DN 70 1450 924 935 1585
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in kW         Total connected load in kW         Fuse rating in A         Water connection/drainage         Cold water [number]         Hot water [number]         Hard water (optional) [number]         Dump valve         Dimensions and weight         External dimensions, height in mm         External dimensions, gross height in mm         External dimensions, gross width in mm         External dimensions, gross width in mm	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 35 3 X 1/2" hose w/ 3/4" union 1x 1/2" hose w/ 3/4" th. union 2 x 1/2" w/ 3/4" union DN 70 1450 924 935 1585 1090
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Water connection/drainage         Cold water [number]         Hot water [number]         Hard water (optional) [number]         Dump valve         Dimensions and weight         External dimensions, height in mm         External dimensions, depth in mm         External dimensions, gross height in mm         External dimensions, gross width in mm         External dimensions, gross width in mm	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 35 3 x 1/2" hose w/ 3/4" union 1 x 1/2" hose w/ 3/4" union 1 x 1/2" hose w/ 3/4" th. union 2 x 1/2" w/ 3/4" union DN 70 1450 924 935 1585 1090 1130
Standard electrical connection         Heating type         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in A         Possible voltage variant 1         Electrical connection         Heater rating in kW         Total connected load in kW         Fuse rating in kW         Total connected load in kW         Fuse rating in A         Water connection/drainage         Cold water [number]         Hot water [number]         Hard water (optional) [number]         Dump valve         Dimensions and weight         External dimensions, height in mm         External dimensions, gross height in mm         External dimensions, gross width in mm         External dimensions, gross width in mm	Electric 3 AC 400V 50 HZ 18.00 19.00 35 3 AC 400V 60 HZ 18.00 19.00 35 3 X 1/2" hose w/ 3/4" union 1x 1/2" hose w/ 3/4" th. union 2 x 1/2" w/ 3/4" union DN 70 1450 924 935 1585 1090



Professional washing machine, electrically heated, with drain valve and detergent drawer, M Touch Pro Plus freely programmable, for marine use.

EAN: 4002516392538 / Material number: 11683010 / Old Material Number: 51920006SOM

Gross weight in kg Maximum floor load in N/m <sup>2</sup>	<u>419</u> 5853
Emissions data	5655
Emission sound pressure level in the workplace	67 dB(A) re 20 μPa
Heat dissipation into the room in MJ/h	6.48
Features	
Patented pre-spin	•
Cloth reprocessing	• 
3-dimensional imbalance monitoring	
Disinfection rinse	<u>•</u>
Efficient scoop-and-ladle ribs	•
EcoSpeed	•
Spring-in-spring system	•
Temperature monitoring	•
Special heater element	•
Automatic load control+	•
Volumetric flow meter (optional)	•
Weighing plinth (optional)	•
Add laundry	•
Programme selection via colour frame	•
Emergency switch-off	•
Machine-independent accessories	•
Efficiency and sustainability	
Recycling rate in %	92
Connection options	
Payment system (optional)	•
Optical interface for service access	•
Peak load cut-out/energy management (optional)	•
Water recovery (optional)	•
LAN	•
WiFi	•
Connector Box	•
Capacities	
Respirator masks [number]	15
Helmets [number]	5
Overalls [number]	3
Over jackets [number]	5
Chemical protection suits [number]	2
Synthetic duvets [number]	2
Synthetic pillows [number]	4
	· · · · · · · · · · · · · · · · · · ·
Down duvets [number]	2
Down pillows [number]	4
Cloths, 22 g [number]	456
Cotton mops, 40 cm / 190 g [number]	106
Cotton mops, 50 cm / 220 g [number]	91
Microfibre mops, 40 cm / 120 g [number]	167
Microfibre mops, 50 cm / 170 g [number]	117
Mops, office, 100 g [quantity]	200
Mops, stairway, 150 g [quantity]	130



Professional washing machine, electrically heated, with drain valve and detergent drawer, M Touch Pro Plus freely programmable, for marine use.



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Standards, test certificates and symbols	
CE	•
VDE-EMC	•
VDE	•
Splash-proof safety rating IPX4	•
UKCA	•
WEEE	•
EAC	•
Complies with Machinery Directive 2006/42/EC	•

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