



March 2021

# TECHNICAL INFORMATION

**Model No.** ▶ US053D, DUS054

**Description** ▶ Cordless Garden Sprayer

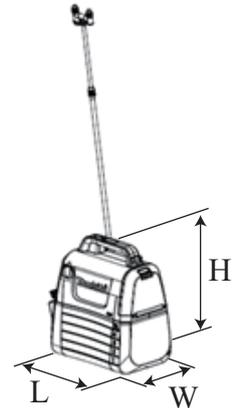
## CONCEPT AND MAIN APPLICATIONS

Models US053D and DUS054 are shoulder type cordless garden sprayer powered by the following sources:

- US053D by 12Vmax CXT Li-Ion battery
- DUS054 by 18V LXT Li-Ion battery

Main features and benefits are:

- Paddle switch under the grip of spray wand allows for easy on/off control of spraying.
- Easy battery removal
- H-shaped double head nozzle
- Telescopic spray wand
- IP54-rated dust and shower-proof construction



Dimensions: mm (")		
	US053D	DUS054
Length (L)	343 (13-1/2)	
Width (W)	182 (7-1/8)	
Height (H)	343 (13-1/2)	368 (14-1/2)

## Specifications

Specifications	Model	US053D	DUS054
Battery voltage: V		10.8V (CXT battery)	18 (LXT battery)
Max permissible pressure: MPa		0.3	
Tank capacity: L (US-gal)		5 (1.3)	
Hose length: m		1.7	
Spray wand length: m		0.5 - 0.7	
Nozzle mounting thread		G 1/4	
Dust-proof and shower-proof		IP54	
XPT (eXtreme Protection Technology)		Yes	
Weight according to EPTA-Procedure 01/2014: kg (lbs)		2.9 (6.4)*2 3.0 (6.6)*3	3.2 (7.1)*4 3.5 (7.7)*5

\*1 With Nozzle, Spray wand, Spray wand holder, Shoulder belt

\*2 With BL1016 battery \*3 With BL1041B battery \*4 With BL1815N battery \*5 With BL1860B battery

## Standard equipment

H-shaped double head nozzle  
Spray wand  
Spray wand holder  
Shoulder belt

Battery\*6  
Battery cover\*7  
Charger\*6

\*6 Battery and charger are not supplied with "Z" model.

\*7 Supplied with the same quantity of extra Battery

**Note:** The standard equipment may vary by country or model variation.

## Optional accessories

H-shaped double head nozzle

### US053D

Battery BL1016  
Battery BL1021B  
Battery BL1041B  
Charger DC18RE  
Charger DC10SB  
Charger DC10WD

### DUS054

Battery BL1815N  
Battery BL1820(B)  
Battery BL1830(B)  
Battery BL1840(B)  
Battery BL1850(B)  
Battery BL1860B  
Fast charger DC18RC/ DC18RE/ DC24RC  
Two port multi charger DC18SH  
Two port multi fast charger DC18RD  
Charger DC18SD/ DC24SC  
Four port multi charger DC18SF  
Automotive charger DC18SE

## Features and benefits

Model	Battery
US053D	CXT
DUS054	LXT

**Powered by  
12Vmax CXT  
Li-Ion battery  
(US053D)**

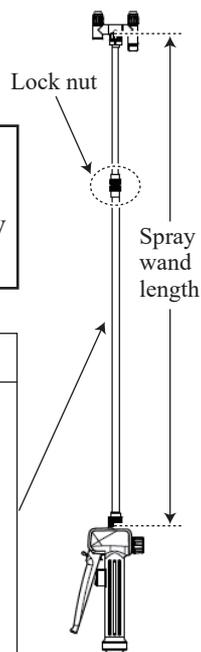
**Powered by  
18V LXT  
Li-Ion battery  
(DUS054)**

### Telescopic spray wand

- Length from the bottom of Spray wand to the top of Nozzle head

Model	Spray wand length: m
US053D/ DUS054	0.5 - 0.7
MUS052D	0.6 - 0.8
Competitor K	0.4/ 0.8 (with Extension pipe)
Competitor R	0.5

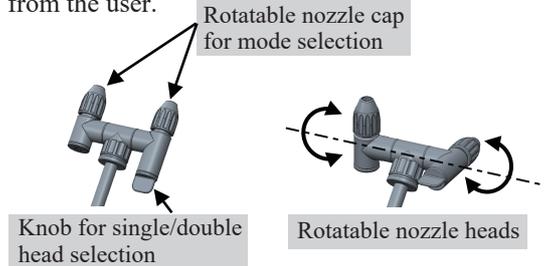
- Adjustable by loosening the lock nut



### H-shaped double head nozzle

- Single/double head spraying selectable
- 2-mode selectable (Mist and Stream modes)

- Double head spraying enables wide area spraying
- Mist mode is optimal for spraying near plants.
- Stream mode is optimal for watering or fertilizing plants, such as trees, located a little away from the user.



Spray wand holder

### Paddle switch interlocking with motor

- located under the grip of spray wand, allowing for easy on/off control of spraying.
- equipped with lock-on button for continuous spraying

Max permissible pressure: 0.3 Mpa

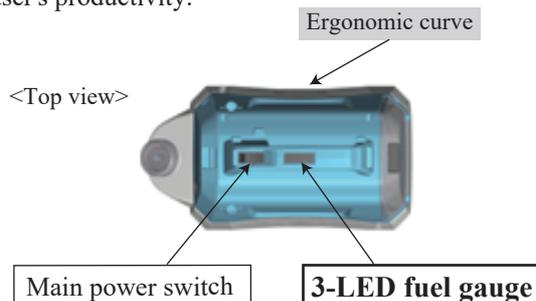
Compatible with Round nozzle ULV5

Tank capacity: 5L

**IP54-rated  
dust and shower-proof  
construction**

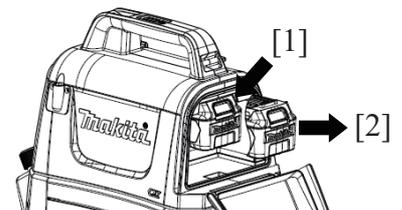
### Ergonomically optimized tank design

Both sides are ergonomically curved to fit user's body when the sprayer hangs from the shoulder, increasing user's productivity.



### Easy battery removal

The battery pops out [2] for easy removal simply by pushing the hook of the battery [1].



### 1.7m Hose

- allows for operation with the sprayer on the ground.
- does not rub the ground when the sprayer hangs from the shoulder.

Model	Hose length: m
US053D/ DUS054	1.7
MUS052D	1.2
Competitor K	2.0 (rubs the ground)
Competitor R	1.4

## ► Comparison of products

### Specification comparison

Model		Makita			KOSHIN	RYOBI	
		US053D 	DUS054 	MUS052D 	GT-5HS 	OWS1880 	
Specifications							
Battery	Voltage	10.8	18	10.8 (Stick)	9	18	
	Type	Li-Ion	Li-Ion	Li-Ion	D battery x 6	Li-Ion	
Tank capacity: L		5.0			5.0	3.5	
Tank drain		No			No	No	
Pump		Diaphragm pump		Gear pump	Gear pump	Diaphragm pump	
Cleaning function for stuck pump		Yes*1		-	-	No	
Max permissible pressure: MPa		0.30		0.15	0.30	0.47 (measured value)	
Regular pressure: MPa	Mist	Single outlet	0.26	0.15	0.30	0.31	
		Double outlet	0.18	-	0.18	-	
	Stream	Single outlet	0.22	0.09	0.27	unknown	
		Double outlet	0.13	-	0.15	-	
Regular water discharge: L/min	Mist	Single outlet	0.47	0.3	0.45	0.43 (measured value)	
		Double outlet	0.74	-	0.68	-	
	Stream	Single outlet	0.61	0.45	0.57	0.51 (measured value)	
		Double outlet	0.91	-	0.74	-	
Continuous run time: min	Mist	Single outlet	95*2	240*3	90*4	180*5	222 (measured value)*6
		Double outlet	85*2	235*3	-	270*5	-
	Stream	Single outlet	90*2	235*3	unknown	180*5	unknown
		Double outlet	80*2	230*3	-	270*5	-
Spraying capacity: L (on a full battery charge)	Mist	Single outlet	40*2	110*3	27*4	80*5	95*6
		Double outlet	60*2	170*3	-	180*5	-
	Stream	Single outlet	50*2	140*3	unknown	100*5	unknown
		Double outlet	75*2	205*3	-	195*5	-
Battery fuel gauge		Yes		No	No	No	
Hose length: m (ft)		1.7 (5.6)		1.2 (3.9)	2.0 (6.6)	1.4 (4.6)	
Lever	Lever type	Paddle		No	Paddle	Paddle	
	Lock-on function	Yes		No	Yes	Yes	
	Interlock between paddle switch and motor	Yes		No	No	Yes	
Nozzle	Outlet	Double head nozzle (Single/double selection) (Mist/stream selection)		Single head nozzle (Mist/stream selection)	Double head nozzle (Single/double selection) (Mist/stream selection)	Single head nozzle (Mist/stream selection)	
	Nozzle mounting thread	G 1/4*7		Fixed	M8	Fixed	
Spray wand	Telescopic	Yes (2 stages)			No	No	
	Length*8: m	0.5-0.7 (1.8-2.3)		0.6-0.8 (1.1-2.7)	0.4 (1.4) [regular pipe] 0.8 (2.7) [with extension pipe]	0.5 (1.8)	
Dimensions*9: mm (")	Length	343 (13-1/2)	343 (13-1/2)	274 (10-3/4)	370 (14-1/2)	240 (9-1/2)	
	Width	182 (7-1/8)	182 (7-1/8)	160 (6-5/16)	170 (6-11/16)	180 (7-1/8)	
	Height	343 (13-1/2)	368 (14-1/2)	315 (12-3/8)	310 (12-1/4)	300 (11-3/4)	
Weight according to EPTA-Procedure 01/2014: kg (lbs)		2.9 (6.4)*2, *10	3.4 (7.5)*3, *10	1.5*4, *11	2.4*5, *11	2.0 (4.4)*6, *10	

\*1 User can recover the normal condition by connecting the sprayer to faucet, then by cleaning up the inside of the sprayer with the water pressure of faucet.

\*2 With BL1016 battery \*3 With BL1830B battery \*4 With BL1013 battery \*5 With Alkaline D battery x 6 \*6 With 1.3Ah battery

\*7 Conforming standards for piping thread: ISO228/1 and JIS B 0202

\*8 Length from the bottom of Spray wand to the top of Nozzle head

\*9 Without Nozzle and Spray wand (Tool only)

\*10 With Nozzle, Spray wand, Spray wand holder, Shoulder belt and Battery

\*11 Net weight: with Spray wand holder, Shoulder belt, Waist belt and Battery