

# **Dustless Sweeping Technology**



#### GENERAL SPECIFICATIONS

## **MODEL DST-4® REGENERATIVE AIR SWEEP**

### FINAL TIER 4 AUXILIARY ENGINE/CABOVER CHASSIS



SWEEPER AUXILIARY ENGINE Engine

BLUWER, RU	RREK LINED
Aluminum állov	high volume

Aluminum alloy,	high volume, open face turbine
Purpose	Čreates air blast and suction
Bearings	Anti-friction
Housing	Abrasion resistant,
replaceable lir	
	Heavy duty power band

#### DUST SEDADATAD DUBBED LINES

DUSI SEPARATUR, RUBBER LINED
Type Cyclonic, multipass, centrifugal
separation
Cylindrical area20 x 22.5 in
(508 x 1549 mm)
Location Adjacent to hopper
Particulate removal achieved through 22.5 in
(572 mm) skimmer slot into skimmer hood
Inspection/cleanout port w/extended plug
handle

#### HADDED

HUPPEK	
Capacity (volumetric)4.0 yd3 (3.06 m3	)
Capacity (useable)	)
Construction Welded steel plate	é
Dump door opening77.25 x 70 i	n
(1962 x 1778 mm)	
Dumping method	C
Dumping height 72 in (1829 mm	)
Dump clearance height 154 in (3912 mm	)
Dump door hydraulically opened/closed	
Hopper screen lifts with door for easy cleaning	J
Hopper deluge	
Abrasion protection package	
Hopper drip edge extension	

#### DICK HD HEAD

PICK-UP REA	AV
Туре	Dual chamber
Function	Delivers air blast and suction
	nension) 78 in (1981 mm)
	ea2028 in² (1.31 m²)
Suspension	4 springs, 2 drag links
	DUO-SKID®, long life carbide
	ımeter 12 in (305 mm)
	iameter 12 in (305 mm)
Reverse pick-up	head system

#### **HYDRAULIC SYSTEM**

Operates gutter brooms, dump door and
pick-up head
Drive Gear driven from auxiliary engine
Capacity 5 GPM (18.925 LPM

Reservoir 13.5 gai (51	. I L) with 80 mesn
suction strainer, sight/temp	perature gauge, oil
cooler	
Filter	10 µm in-line
Hydraulic oil	Extended life

#### GUTTER BROOMS, TWIN Patented

Auxiliary hydraulic system

doi i Eli biloonis, i win, ratenteu
Standard equipment includes floodlight and
parabolic mirror

parabono mimor	
Drive	Constant speed
non-reversible h	
	Adjustable for
	nottern and wear

down pressure, pattern	i and wear
Down pressure	Automatically
adjusts to requirement	

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Flexibility	All directions, Integral
anti-damage "swing a	way" relief valve

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Broom		. Steel	wire vertical
digger 36 in	(914 mm)		

variable speed control			
Hydraulic tilt	.Twin	gutter	brooms
adjust for curb depth		•	

#### **DUST CONTROL SYSTEM**

	PumpElectric diaphragm
r	Reservoirs Polyethylene, 77 gal (291.5 L), total
	Filter
	Low water shut-off Safety shut-off
	with low water warning light in cab
	Spray nozzles At gutter brooms
	and inside hopper
)	Fire hydrant and garden hose connections
)	Air purge system
Э	Hydrant fill hose20 ft (6 m)
n	High output water system

Water spray nozzles for dust suppression

#### **DUSTLESS FILTRATION SYSTEM**

With automatic Blackogic Control adjustinont	
Capacity (volumetric)14 ft <sup>3</sup> (0.40 m <sup>3</sup> )	
Filters(4) MERV 16 Rated	
Particulate removal efficiency ≥ 95% of 0.3 µm	
Long life filters, not affected by wet sweeping	
conditions.	
Filters cleaned by intermittent air pulse	
Air compressorBelt driven, liquid cooled,	
engine lubricated	
Compression rate13.2 CFM	
(0.37 m <sup>3</sup> /minute) @1200 RPM	
Shop air connection	

An external mounted modular filtration system

with automatic BlueLogic® control adjustment

#### **CONTROL SYSTEM**

#### BlueLogic® Control System

Dust box deluge washout system

Multiplexed electrical system includes hardware and TYMCO designed software that integrates the in-cab controls to the auxiliary engine and all sweeper functions; as well as provides intelligent safety features and on-board diagnostics (OBD) for the auxiliary engine and sweeper through the BlueLogic display.

#### **BlueLogic Display**

Pedestal mounted touchscreen display provides sweeper and auxiliary engine data to the operator and includes hour meters (trip and total) for the auxiliary engine, gutter brooms, pick-up head, blower, and water pump; sweeper odometer (records curb miles swept and sweeping hours), service reminders, custom reminders, overspeed warning, low water audible alarm, and OBD.

#### **Interior Components**

BlueLogic display, illuminated control switches: pick-up head, gutter brooms, auxiliary engine RPM, DST mode, purge system, dust control water system nozzles, safety lights

#### **Exterior Components**

Dump switch, BlueLogic multiplex modules

#### SAFETY/WARNING DEVICES

Alternating LED rear flashers (2) Back-up alarm Hopper safety prop

#### **OPTIONAL EQUIPMENT**

Auto Sweep Interrupt (ASI) Auxiliary fuse panel Auxiliary hand hose 6 in dia. (152 mm) Cabover dual steering Camera/monitor system Gutter broom drop-down Hi/Low pressure washdown system Light bar, cab mounted, LED Low emissions package (required for South Coast AQMD Rule 1186, not applicable with high output water system) Magnet, front bumper mounted, light duty Pick-up head curtain lifter Stainless steel options:

Hopper & dust box: Höpper weldment Dust box Hopper door Skimmer hood assembly Hopper screen assembly Inspection door

Suction inlet tube

Blower housing Dust box

**Dust separator** Hopper inspection door

Hopper screen

Auxiliary hand hose hardware

Paint color (other than TYMCO standard white)

Special options are available for your individual requirements. Contact your local dealer or TÝMCO.

#### **CHASSIS AVAILABLE**

Isuzu NQR