





GENERAL SPECIFICATIONS

MODEL DST-6® DUSTLESS REGENERATIVE® AIR STREET SWEEPER DIESEL AUXILIARY ENGINE / DIESEL CHASSIS

BLOWER, RUBBER LINED
Aluminum álloy, high volume, open face turbine
Bearings(2) sealed lifetime lube, anti-friction
Bolt-on housingSteel w/abrasion
resistant, replaceable liner
DriveHeavy duty power band

DUST SEPARATOR, HIGH CAPACITY
Type
centrifugal separation
Size20 x 61 in
cylindrical area (508 x 1549 mm)
cylindrical area (508 x 1549 mm) Located adjacent to blower within hopper
Particulate removal achieved through 61 in
(1549 mm) skimmer slot into skimmer hood
Hinged inspection door opened from hopper
exterior
Abrasion resistant housing w/replaceable wear

Abrasion	resistant	housing	w/repl	laceab	le wear
resistar	ıt liner	Ŭ			

HOPPER Capacity (volumetric)
Abrasion protection package Hopper deluge system
PROOM ACCIET DICK LID HEAD (BALL®)

Abrasion protection package Hopper deluge system
BROOM ASSIST PICK-UP HEAD (BAH®) TypeDual chamber with broom assist Width87 in (2210 mm) Pick-up head area3567 in² (2.3 m²) Broom12 x 79 in (305 x 2007 mm) enclosed in rear of pick-up head Suspension4 springs 2 drag links Suction hose diameter14 in (356 mm) Pressure hose diameter14 in (356 mm) SkidsDUO SKID®, long-life carbide Pick-up head deluge Reverse pick-up head system
enclosed in rear of pick-up head Suspension

GUTTER BROOM, TWIN, Patented
Includes LED floodlights and parabolic mirrors
DriveVariable speed non-reversible hydraulic motor
AdjustmentAdjustable for down
pressure, pattern and wear
Down pressure
anti-damage "swing away" relief valve
Brooms 43 in dia. (1.1 m) steel wire
vertical diggers
Hydraulic tilt Gutter brooms

adjust for curb depth HVDD AIII IC EVETEM

HTDKAULIC STSTEM
Operates gutter broom(s), dump and pick-up head
Drive Gear driven from auxiliary engine
Flow rate 8 GPM (30.3 LPM)
BAH pump
operates Broom Assist Head broom motor
BAH pump flow rate 8 GPM (30 LPM)
Reservoir
with 80 mesh suction strainer, sight/
_temperature gauge, cooler
Filter3 micron in-line
Auxiliary hydraulic system
Temperature shutdown system

DUST CONTROL SYSTEM

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Water spray nozzles for dust suppression Pump Electric diaphragm
Reservoirs Polyethylene 220 gal (833 L), total
Filter 80 mesh in-line
Low water shut-offSafety shut-off with audible and visual indicator in cab
Spray nozzles:
Gutter brooms (each)
High output water system
Hydrant fill hose w/storage area20 ft (6 m)

DUSTLESS FILTRATION SYSTEM

An external mounted modular filtration system with automatic BlueLogic® control adjustment
Capacity (volumetric)14 ft ³ (0.40 m ³)
Filters(4) MERV 16 Rated
Particulate removal efficiency ≥ 95% of 0.3 µm Long life filters, not affected by wet sweeping
Long life filters, not affected by wet sweeping
conditions.
Filters cleaned by intermittent air pulse Air compressorBelt driven, liquid cooled,
Air compressorBelt driven, líquid cooled,
engine lubricated
Compression rate13.2 CFM
(0.37 m ³ /minute) @ 1200 RPM
Shop air connection
Dust box deluge washout system

CONTROL SYSTEM

BlueLogic® Control 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. Specific to the DST-6, BlueLogic also monitors and automatically controls the adjustments for the DST system, requiring no operator adjustments.

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, water pump, BAH broom, and DST filters; sweeper odometer (records curb miles swept and sweeping hours), service reminders, custom reminders, overspeed warning, low water audible alarm, dust control system winterization guide, and OBD. Interior Components

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

Exterior Components

Dump switch, BlueLogic Control Modules (BCMs)

SAFETY/WARNING DEVICES

Alternating LED rear flashers (2) Rear view camera system Back-up alarm SAE Class 1/California Title 13 amber beacon light with limb guard - LED

OPTIONAL EQUIPMENT

AOD water pump w/washdown hose/spray gun Additional camera views - pick-up head, left gutter broom, right gutter broom Auto Sweep Interrupt (ASI) Auxiliary hand hose 8 in dia. (203 mm)
Auxiliary hand hose hydraulic boom assist

Gutter broom drop-down Hi/Low pressure washdown system

Hopper drain system Magnet (various options available)

Pick-up head curtain lifter Shop air purge, dust control system

Stainless steel options:

Hopper & dust box: Höper weldment Dump door Inspection doors Raker plate High capacity dust separator Hopper screen

Dust box Blower housing High capacity dust separator

Hopper drain Dust box

Paint color (other than TYMCO standard white)

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

CHASSIS AVAILABLE

Peterbilt 220 International MV607 Freightliner M2-106