

RFB# 3-160513TV

TYMCO DST-6 SWEEPER OPTIONS

STAINLESS STEEL CHIP SEAL SCREENS		\$ 1,318.00
42" AUX HANDHOSE EXTENSION	MUST ORDER HANDHOSE OPT.	\$ 470.00
LED ARROW STICK I.L.O. MODOT ARROW BOARD	DEDUCT	\$ (2,550.00)
DROP DOWN GUTTER BROOMS		\$ 715.00
WATER TANK LEVEL GAUGE IN DISPLAY		\$ 564.00
LINEAR ACTUATOR W/ GAUGE- PRESSURE BLEEDER		\$ 333.00
DELETE STAINLESS STEEL HOPPER AND SCREENS	DEDUCT	\$ (13,000.00)
DELETE STAINLESS STEEL DUST BOX	DEDUCT	\$ (4,200.00)
DELETE HOPPER LOAD INDICATOR	DEDUCT	\$ (300.00)
DELETE BROOM ASSIST HEAD	DEDUCT	\$ (1,800.00)
HOPPER SCREEN VIBRATOR		\$ 1,223.00
DOUBLE DUO SKIDS WITH FRONT EXTENSIONS		\$ 1,130.00

TYMCO 600 DST-6 CHASSIS OPTIONS

TRUCK PARTS & SHOP MANUALS	\$ 750.00
ENGINE BLOCK HEATER	\$ 550.00
CAB MOUNTED LED LIGHT BAR	\$ 950.00



DST-6®
Dustless Sweeping Technology

GENERAL SPECIFICATIONS



MODEL DST-6® REGENERATIVE AIR SWEEPER® INTERIM TIER 4 AUXILIARY ENGINE/CABOVER CHASSIS

SWEPPER AUXILIARY ENGINE

Engine John Deere 4045 turbo, 4 cyl.
(Interim Tier 4)
Displacement 275 in³ (4.5 L)
Power 99 HP @ 2200 RPM (74 kW)
Net torque 315 lb-ft @ 1600 RPM (427 Nm)
Air cleaner Heavy duty, w/pre-cleaner
Oil filter Spin on, full flow
Auxiliary engine fuel tank shared with chassis engine
Auxiliary engine shutdown system
Fuel/water separator

BLOWER, RUBBER LINED

Aluminum alloy, high volume, open face turbine
Purpose Creates blast and suction
Bearings (2) sealed lifetime lube, anti-friction
Bolt-on housing Abrasion resistant, stainless steel, replaceable liner
Drive Heavy duty power band

DUST SEPARATOR, HIGH CAPACITY

Type Cyclonic, multipass, centrifugal separation
Size 20 x 61 in
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 resistant liner

HOPPER

Capacity (volumetric) 7.3 yd³ (5.6 m³)
Capacity (useable) 6 yd³ (4.6 m³)
Construction Welded steel plate with integral stiffeners
Floor angle 22°
Dump door opening 84 x 44 in (2134 x 1118 mm)
Dumping method Hydraulic with raker bar
Dumping height 36 in (914 mm)
Abrasion protection package
Hopper deluge system
Hopper drain system

BROOM ASSIST PICK-UP HEAD (BAH®)

Type Dual chamber with broom assist
Function Delivers air blast and suction
Width 87 in (2210 mm)
Pick-up head area 3567 in² (2.3 m²)
Broom 12 x 79 in
enclosed in rear of pick-up head
Suspension 4 springs 2 drag links
Suction hose diameter 14 in (356 mm)
Pressure hose diameter 14 in (356 mm)
Skids DUO SKID®, long-life carbide
Pick-up head deluge
Reverse pick-up head system

GUTTER BROOM, DUAL, Patented

Standard equipment includes floodlights and parabolic mirrors
Drive Constant speed
non-reversible hydraulic motor
Adjustment Adjustable for down pressure, pattern and wear
Down pressure Automatically adjusts to requirement
Flexibility All directions integral anti-damage "swing away" relief valve
Broom 43 in dia. (1092 mm) steel wire, vertical digger, tilt, variable speed

HYDRAULIC SYSTEM

Operates gutter broom(s), dump and pick-up head
Drive Gear driven from auxiliary engine
Capacity 8 GPM (30.3 LPM)
Reservoir 25 gal (94.6 L) with 80 mesh suction strainer, sight/temperature gauge, cooler
Filter 3 micron in-line
Auxiliary hydraulic system
Temperature shutdown system

DUST CONTROL SYSTEM

Water spray nozzles for dust suppression
Pump Belt driven (standard), electric diaphragm, or air diaphragm
Reservoirs Polyethylene 220 gal (1249 L), total
Filter 80 mesh in-line
Low water shut-off Safety shut-off with low water warning light in cab coupled with liquid level sensor
Spray nozzles:
Gutter brooms (each) 3
Hopper (inside) 1
High output water
Air purge system
Hi/Low pressure washdown system
Hydrant fill hose w/storage area 20 ft (6 m)

DUSTLESS FILTRATION SYSTEM

An external mounted modular filtration system
Capacity (volumetric) 14 ft³ (0.40 m³)
Filters (4) 0.5 µm
Particulate removal efficiency 99.999%
Long life filters, not effected by wet sweeping conditions.
Filters cleaned by intermittent air pulse
Air compressor Belt driven, liquid cooled, engine lubricated
Compression rate 13.2 CFM (0.37 m³/minute) @ 1200 RPM
Shop air connection
Dust box deluge washout system
Automatic control adjustment

CONTROLS

Inside cab (lighted)

Pick-up head, gutter brooms (tilt and variable speed), ignition and tachometer (auxiliary engine), voltmeter, low water warning system (for dust control system), all safety lights, hour meter, auxiliary fuse panel

BlueLogic® Display

High resolution, color LCD multi-function display that provides the operator feedback on the status of the sweeper and auxiliary engine. The display provides information for all safety equipment, as well as lifetime and trip hours for sweeper equipment such as the gutter brooms, pick-up head, pick-up head broom, and blower. The display also provides service hours for the auxiliary engine fluids and filters.

BlueLogic® Control System

Multiplexed electrical control modules which provides intelligent safety features and assist in sweeper troubleshooting with LED diagnostics.

Outside cab Dump

SAFETY WARNING DEVICES

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

OPTIONAL EQUIPMENT

AOD water pump w/washdown hose/gun
Auto sweep interrupt w/overspeed interrupt
Auxiliary hand hose 8 in dia. (203 mm)
Auxiliary hand hose hydraulic boom assist
Auxiliary hand hose catch basin cleaning package

Gutter broom drop-down
High output water system
Hose reel, 50 ft (15.24 m) retractable
Magnet (various options available)
Pick-up head curtain lifter
Pick-up head deluge (BAH®)
Rear camera/monitor system
Stainless steel options:

Hopper & dust box:

Hopper weldment
Dump door
Inspection doors
Raker plate
High capacity dust separator
Screen
Dust box

High capacity dust separator (w/mild steel hopper)

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.

CABOVER CHASSIS AVAILABLE

Peterbilt 220



Performance Claim Verified
by the ETV Program

MODEL DST-6® REGENERATIVE AIR SWEEPER®

INTERIM TIER 4 AUXILIARY ENGINE/CABOVER CHASSIS



PETERBILT 220

CAB/CHASSIS	
GVW	33,000 lb (14,969 kg)
Front Axle	12,000 lb (5443 kg) w/12,000 lb (5443 kg) front suspension
Rear Axle	21,000 lb (9525 kg) w/21,000 lb (9525 kg) rear suspension
Gear ratio	6.50 (single speed)
Frame	80,000 PSI (5515.81 bar)
Engine	Paccar PX-7/Cummins ISB
Displacement	409 in³ (6.7 L)
Power	220 hp (164 kW) @2600 RPM (governed)
Torque	520 lb-ft (705 Nm) @ 1600 RPM
Transmission	Allison 2500 RDS-P 6-speed automatic transmission with PTO provision, synthetic fluid, temperature gauge in cab, and push button shifter
Alternator	160 amp
Batteries	(2) 12V 1400 CCA, w/disconnect switch
Wheelbase	158 in (4013 mm)
Turning diameter (wall to wall)	50.0 ft (13.96 m)
Turning diameter (curb to curb)	45.8 ft (14.78 m)
Fuel tank (shared with sweeper)	51 gal (193 L)
DEF tank	7.5 gal (28 L)
Tires (2-front, 4-rear)	Tubeless 11R x 22.5
Steering (dual)	Left, right or dual integral hydraulic power assist steering w/18 in (457 mm) diameter steering wheel – tilt only
Brakes	Dual air brakes w/18.7 CFM (0.53 m³/minute) air compressor
Instruments & lights	Full package as required, back-up alarm
Seats	Adjustable, individual high back air seats
Air dryer	Yes
Mirrors	Electric remote controlled and heated
Air conditioned cab	Yes
Windows and door locks	Power
Exhaust system	Left hand outboard frame mounted vertical after-treatment device with topstack
Audio system	AM/FM radio, CD/MP3 player, Bluetooth, USB and auxiliary input stereo w/digital clock
Daytime running lights	Yes
SWEEPING DIMENSIONS (Approximate)	
Pick-up head only	87 in (2210 mm)
With 1 gutter broom	110 in (2794 mm)
With 2 gutter brooms	142 in (3606 mm)
OVERALL DIMENSIONS (Approximate)	
Length (sweeper body & chassis only)	280 in (7112 mm)
Width (w/2 gutter brooms)	102 in (2591 mm)
Height (w/o bar light)	116 in (2946 mm) @ chassis air intake
Empty weight (sweeper body & chassis only)	20,160 lbs (9144 kg)
<i>Dimensions and weight may vary with equipment. Consult factory for additional specifications and other available truck chassis.</i>	



DST-6[®]

DUSTLESS SWEEPING TECHNOLOGY

FROM THE PEOPLE
WHO **INVENTED** REGENERATIVE AIR SWEEPING!
www.tymco.com

Compliance with Clean Air and Water Reg

TYMCO Engineering has designed a DUSTLESS sweeper for even the most severe cleaning surface, it also cleans the exhausted air to 99.999% of 0.5 Micron size particles. TYMCO's conditions, so you don't have to add to the problems of meeting the EPA's PM 10 requirements, utilize a "standard truck chassis," giving it the capability to travel to the job site at legal speeds. The Dustless features are engineered to allow the sweeper to perform in all

DST-6[®] DUSTLESS SWEEPING TECHNOLOGY

Environmentally Superior Cleaning™ for :

- Year-Round Cleaning Where Normal Water/Dust Control Freezes
- Municipal Sweeping and DOT Applications
- PM₁₀ Non-Attainment Areas
- Industrial Plants



The DST-6 can be equipped with TYMCO's powerful Auxiliary Hand Hose option, allowing easy clean-up of those hard to reach applications such as catch basins and around garbage containers and compactors. The powerful suction enables you to clean catch basins up to 20 feet deep. Controls are located at the rear of the sweeper for greater operator safety.

TYMCO's Broom Assist Pick-up Head (BAH[®]) with DUO SKIDS[®] gives you a full 87 inch sweeping path—with in-cab controls that allow broom-assisted sweeping only when needed.

TYMCO's dual 43 wire filled digger make short work of debris along curb. Dual gutter broom allows the operator angle from the ca

TYMCO REGENERATIVE AIR SWEEPERS Rejuvenate the

ulations has just been made a little easier.

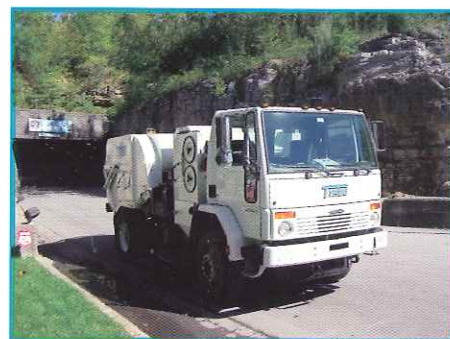
g jobs. The TYMCO DST-6® not only removes dirt, dust and debris from the sweeping patented filtration system enables the DST-6® to be equally efficient in wet or dry ents by avoiding puddles and leaving debris behind. The TYMCO DST-6® was designed to eed limits and then perform the dustless cleaning required in Municipal and Industrial types of weather conditions with no operator adjustments.



TYMCO's Model DST-6 is at home cleaning America's port facilities...

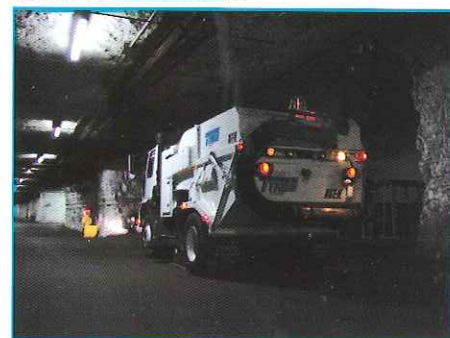


It's equally efficient cleaning in and around cement applications.



The DST-6 delivers superior performance above ground, in mining and storage applications...

And in underground applications, where clean air is essential.



**Call 1-800-258-9626
to see the DST-6 in your
cleaning application!**



inch diameter
style gutter brooms
accumulated
and in gutters.
tilt adjusters
to adjust broom

A patented Self-Contained Multiple Filtration System enhances the Regenerative Air System, allowing the DST-6 to keep cleaning Wet or Dry!



Environment -- AQMD Rule 1186 Certified PM₁₀ - Efficient

Designed for Simplicity and Serviceability

TYMCO remains committed to manufacturing the highest quality sweepers available today. The latest design TYMCO DST - 6® (Dustless Sweeping Technology) Regenerative Air Sweeper® has its roots in over 18 years of proven service... with a satisfied customer list to back up every claim of superior performance. Environmental regulations are not just for hazardous waste dumps and chemical plants anymore. The Clean Water Act and Clean Air Act affect virtually all industrial and municipal activity. Regulators are concerned with the production of all types of fugitive dust and polluted water runoff. For more than 30 years, TYMCO Regenerative Air Sweepers have been used to help industries and municipalities where fugitive dust and contaminated material must be picked up, contained or eliminated.



Convenient Dealer Service Centers

In over 50 U.S. locations and dozens of others worldwide, you receive on-the-spot parts and service from our exclusive network of TYMCO dealers.

This product is protected by numerous U.S. and Foreign Patents.

Specifications subject to change without notice.



MODEL 600®



FOR MORE INFORMATION CALL

Armor Equipment 800-777-2766
www.armor-equip.com

1368 Lonedell Rd. • Arnold, MO 63010 • 636-296-7119



MODEL 210®
Cabover



MODEL FHD®
Forward High Dump



MODEL 435®

