MODEL DST-4® MID-SIZE DUSTLESS REGENERATIVE® AIR SWEEPER
DIESEL AUXILIARY ENGINE / DIESEL CABOVER CHASSIS

SWEeper Auxiliary ENGINE
Engine ........Kubota V2403-CR-TE4B FT4, 4 cyl.
Displacement..............148.5 in³ (2.4 L)
Power..........................56 hp (41.7 kW) @ 2100 RPM
Net torque.............140 lb-ft (190 Nm) @ 2100 RPM
Air cleaner ............Heavy duty, w/pre-cleaner, and in-cab air restriction indicator w/gauge.
Oil filter..............................Spin on, full flow
Cooling......................Liquid
Diesel fuel supplied from chassis fuel tank
Fuel tank capacity .................30 gal (113 L)
Auxiliary engine protection system
Fuel/water separator

BLOWER, RUBBER LINED
Aluminum alloy, high volume, open face turbine
Purpose ..................Creates air blast and suction
Bearings ..................Anti-friction
Housing .................Steel w/abrasion resistant, replaceable line
Drive ....................Heavy duty power band

Dust separator, Rubber Lined
Type ................Cylindrical, multipass, centrifugal separation
Cylindrical area .............20 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

Hopper
Capacity (volumetric) .........4.0 yd³ (3.06 m³)
Capacity (useable) ......3.1 yd³ (2.37 m³)
Construction ...............Welded steel plate
Dump door opening .............77.25 x 70 in (1962 x 1778 mm)
Dump switch, BlueLogic multiplex modules

Dustless filtration System
An external mounted modular filtration system with automatic BlueLogic® control adjustment
Capacity (volumetric) ........14 ft³ (0.40 m³)
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 compressor ...........Belt driven, liquid cooled, engine lubricated
Temperature control ........13.2 CFM (0.37 m³/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.

Chassis available
Isuzu NQR