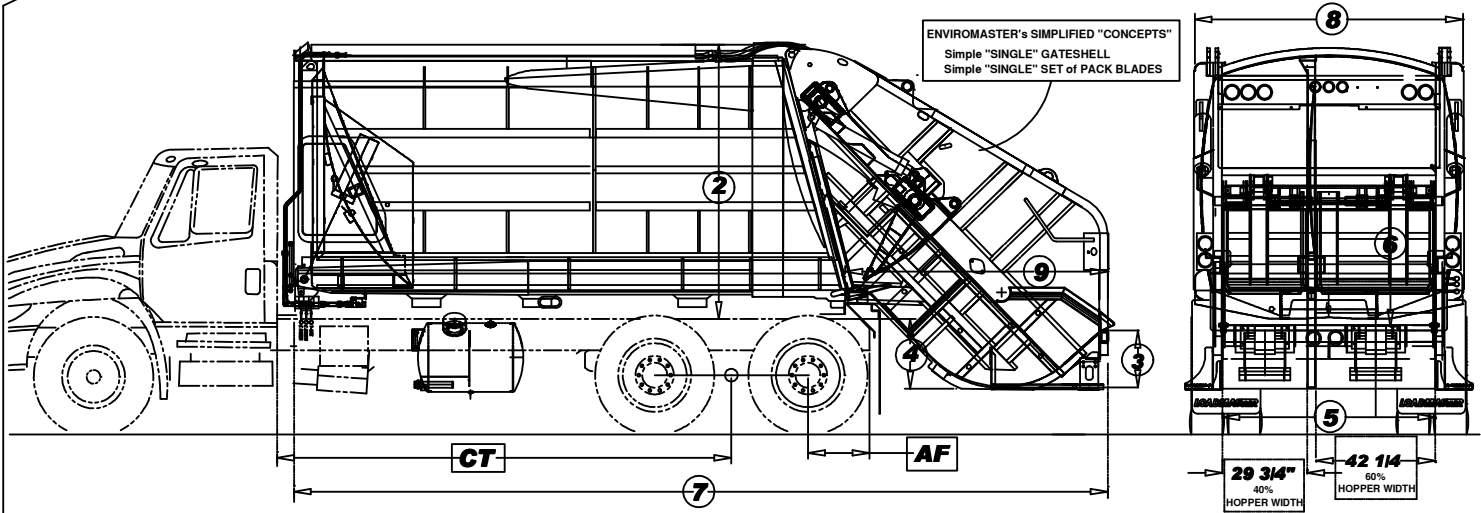


# LOADMASTER

## ENVIROMASTER SERIES

high performance **Split Body**  
(based upon EXCEL-S product)



### EnviroMaster DIMENSIONAL SPECIFICATIONS

1 AVAILABLE BODY VOLUMES →	S20 YD <sup>3</sup>	S25 YD <sup>3</sup>	S27 YD <sup>3</sup>	S33 YD <sup>3</sup>
2 HEIGHT ABOVE CHASSIS FRAME	93 1/2	93 1/2	93 1/2	93 1/2
3 DEPTH OF HOPPER	20 1/4	20 1/4	20 1/4	20 1/4
4 HOPPER BELOW CHASSIS FRAME	24 1/4	24 1/4	24 1/4	24 1/4
5 OVERALL HOPPER INSIDE WIDTH	75	75	75	75
6 HOPPER OPENING HEIGHT	60	60	60	60
7 OVERALL LENGTH	262	288	301	340
8 OVERALL WIDTH	95 3/4	95 3/4	95 3/4	95 3/4
9 BODY TO REAR OF TAILGATE	94	94	94	94
10 APPROX BODY WEIGHT	18,500 LBS	19,500 LBS	20,100 LBS	21,400 LBS
11 LOAD SILL BELOW CHASSIS	4 INCHES	4 INCHES	4 INCHES	4 INCHES
12 OVERALL HOPPER CAPACITY	3.7 YD <sup>3</sup>	3.7 YD <sup>3</sup>	3.7 YD <sup>3</sup>	3.7 YD <sup>3</sup>
13 HEIGHT ABOVE FRAME (RAISED)	184	184	184	184

THE "STREETSIDE" (40% SIDE)...IS 29 3/4" HOPPER WIDTH... "IF" CARTS ARE TO BE TIPPED ON THIS SIDE...THEN ASSURE THE CARTS THEMSELVES ARE "NARROWER" THAN 28" WIDE

THE SHOWN SPLITTER LOCATION DIMENSIONS... "ALLOWS" DUMPING A SPECIALLY DIMENSIONED, AVAILABLE, "3 YARD" SPLIT CONTAINER

THE "SPLITTER" LOCATION IS "INCREMENTALLY" CUSTOMIZEABLE (UP TO 50/50 SPLIT)...CONTACT FACTORY FOR "OTHER" SPLITS (TYPICAL 60/40 SPLIT SHOWN HERE)

ROLL BAR, "2-10" ROOF-MOUNTED CABLE REEVER, DRUM WINCH OPTIONS ARE AVAILABLE FOR THE ENVIROMASTER's SINGLE GATE SHELL "CONCEPT"

### CHASSIS RECOMMENDATIONS FOR "EnviroMaster"

BODY SIZE	MINIMUM GVWR	MINIMUM FRONT GAWR	MINIMUM REAR GAWR	CT	MINIMUM AF
20 YD <sup>3</sup>	50,000	14,000 (Conventional Cab)	36,000	132"	26"
25 YD <sup>3</sup>	56,000	14,000 (Conventional Cab)	42,000	158"	26"
27 YD <sup>3</sup>	58,000	14,000 (Conventional Cab)	44,000	170"	26"
33 YD <sup>3</sup>	66,000	16,000 (Conventional Cab)	50,000	204"	26"

LOADMASTER reserves the right to revise specifications

This "DATA SHEET" is "informational" only.  
Consult with your LOADMASTER dealer  
prior to ordering...for final specifications.

For "CT"...assure Clear & Useable per this info.  
(If EXHAUST stack is "consuming" space...  
then "account" for EXHAUST when you are  
"specing" Chassis.)

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## EnviroMaster... "Split Body" SPEC OVERVIEW ( the Base Product Standards)

The **EnviroMaster** is a Split Body , based upon a structurally-enhanced **EXCEL- "S"** (60 curb/ 40 street split..."other" ratio's available)

### Body's Material Specs...

Body Sides	smooth-side curved <b>8GA</b> Grade <b>80</b> Hi Tensile
Body Roof	smooth curved <b>8GA</b> Grade <b>80</b> Hi Tensile
Body Floor	flat <b>1/4" AR 235</b> high tensile
Body Longitudinals	3" x 8" x 1/4" Boxed channels high tensile
Ejector's Track Channels	1/4" high tensile (stress-diffusing "hat" shaped)
Dual Body Side Doors "std"	3/16" thick GR50 "hid hinge" doors

The standard EnviroMaster body materials are "robust"... inquire to factory  
"if" even further structural "upgrades" are thought desired

### Tailgate Shell's Material Specs...

Lower tailgate sides	<b>1/4" AR 400</b>
Upper tailgate sides	3/16" hi-tensile is the "Sweep-zone" 10ga high tensile above sweep zone

Hopper Floor	<b>5/16" AR 400</b>
Separator Panel	3/16" T-1 Alloy (100,000 PSI min. Yield)

The standard E-M tailgate materials are "robust"... inquire to factory  
"if" even further structural "upgrades" are thought desired

### Splitter Panels Material Specs...

Hopper Splitter is **1/4" AR235** panels (both sides) reinforced by multiple 2 1/2" x 3/16 wall Square Tubes

Body Splitter is **3/16" AR235** "flat" paneling on Recycleables side ...with **Arcing 3/16" GR50** Hi tensile on the Waste side

Body splitter panels are reinforced by multiple 2 1/2" x 3/16" wall Square tubings...and multiple "flat bars" ...and burnt 3/4" thick Arcing Ribs

### Blade's Material Specs...

Sweep's Face Panel	1/4" T-1 Alloy: <i>One Simple Sweep Blade</i> ...which is <i>Bi-furcated</i> fitment to the Hopper' Splitter
Sweep's PushArms	1/2" high tensile
Slider's Face Panel	3/16" thk plate...GR 50 high tensile
Slider's Shoeings	<i>One simple Slider Blade</i> with 4 Nylatron NSM (ultra-high strength) and 4 UHMW polyethylene

Pivot Pinning ("wrist")	3" dia. med carb round Cold Finish; induction hardened; independent left & right pinnings
Pivot Pin's Bearings	6 Hard Bushes for E-M (w/ grease "reservoirs"); Beefy <u>unequal</u> Torque Absorbing 60/40 pivot structure.

Ejectors (2) Face Panel	3/16" high tensile (seamless)... 2 independent Ejectors for the EM split body
Ejector Face's Bracings	5/16" high tensile deep section channels
Ejector's Shoeings	10 Shoes <i>per Ejector</i> ( 2 Ejectors) ; Nylatron GSM polymer (a durable <i>engineering-grade</i> polymer)

### Hydraulic System Specs...

Reservoir	Frame-mounted Round 62 GALLON oil reservoir is "standard" for EnviroMaster
Pump	42GPM direct-couple to PTO piston pump and PTO, or... Crankshaft driven Parker P365 Gear Pump w/ remote wet valve
Max System Pressure	3200PSI
Suction Filter	100mesh
Return Filter	16 Micron premium MicroGlass TankTop style
Sweep Cylinders	5" Bore x 3" Rod Cushioned; Hard Bushed pinnings (rod-side); Simple 2 cylinder design (NOT 4 cylinders)
Slider Cylinders	5" Bore x 2 1/2" Rod Cushioned; Simple 2 cylinder design (NOT 2 blades w/ 4 cylinders)
Gate Lift Cylinders	4 3/4" bore single-acting; Simple 2 cylinder configuration (NOT 2 gate shells w/ 4 cylinders)
Ejector Telescopic	Dual; 4-stage (6 1/2" largest bore; then 5 1/2"; 4 1/2"; 3 1/2"); trunnion-mount (for "diminutive" doghousing needs)
Body-Mounted Valve	Parker V20; three -worksections; Under the Body floor (UBV) mounting configuration is "standard"
Tailgate-Mntd Valve	Parker VQ35 (Impacted Graphite xtra durable cast sections); two KnockOut style worksections "standard"
Ejector-Control Valves	DUAL "SynkPaks" ; Each of the two Ejectors has it's own on-the-route AutoDrift controller valve for flexibility

### Electrical Specs...

Harnessing	4 serviceable Segments w/ Deutsch Aluminum-alloy housed multi-pin conns between the segments All wires Color Coded with Function Imprints also; <i>Dual-Path</i> BUS stud grounds at both upper/lower rear lights. WeatherPaks mainly employed at multi-wires; only <i>Heat-Shrinkers</i> used for the cases of "individual" wire conns
Connectors	Control Center: 4 "marine" Rocker Switch Sub-panel (when applicable to varying chassis') PTO engage light standard/Filter "Service" light standard on PTO style units "Industrial-world" durable relays (as needed)
InCab	Lighting
Lighting	Standard LED (except "incandescent" Backup lights; LED Backup lights are available opt) Full complement of lights; Gate <i>Side-Light</i> Boxes "standard" for E-M ...and more "std" lights above hopper Customer-preferred Lighting Schemes "routinely" available from LoadMaster

### Some standard features...

A "key" & notable feature of the LoadMaster **EnviroMaster** is it's relative SIMPLICITY (versus "traditional" Split Body designs). The E-M has just ONE gateshell and ONE set of hopper pack blades...and therefore just ONE set of pack Cylinders. Only ONE set of gate raise/lower Cylinders' ...and still only ONE tailgate main valve...etc etc.. The SIMPLICITY (and *all that* "simplicity" implies) IS a key feature of the E-M.

Another advantage to this simpler concept...the "ability" to have Can Handling Options...the Roll Bar, the 2-10 cable reever, etc are all available since this is a single gateshell ENVIROMASTER (not "2" gate shells). Loadmaster can also manufacture "other" volume ratios.

**Many Available Options...** Most of the historical EXCEL-S's "Options/ Specials" ARE also orderable for the ENVIROMASTER.

