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Bureau of Air Monitoring & Mobile Sources

NONMETALLIC MINERAL PROCESSING PLANTS (CRUSHERS) AIR GENERAL PERMIT REGISTRATION FORM

Part II. Notification to Permitting Office

(Detach and submit to appropriate permitting office; keep copy onsite)

Instructions: To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. *($100 as of the effective date of this form)* 7775654-001

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- [x] Construct and operate a proposed new facility.
- [ ] Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- [ ] Continue operating the facility after expiration of the current term of air general permit use.
- [ ] Continue operating the facility after a change of ownership.
- [ ] Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- [ ] All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s): _____
- [x] No air operation permits currently exist for this facility.

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)
G7 Holdings, Inc. dba Garbageman.com

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)
Imperial Management, LLC

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)
Street Address:3500 NW 79th Street
City:Miami, County:Miami Dade Zip Code:33147-4529

Facility Start-Up Date (Estimated start-up date of proposed **new** facility.)(N/A for existing facility)
12/1/2010

Owner/Authorized Representative

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)
Print Name and Title: Greg Davis - General Manager

Owner/Authorized Representative Mailing Address
Organization/Firm:G7 Holdings, Inc. dba Garbageman.com
Street Address:1602 Alton Road #602
City:Miami Beach County:Miami Dade Zip Code:33139

Owner/Authorized Representative Telephone Numbers
Telephone:305-673-2847 Fax:305-693-2277
Cell phone (optional):305-776-6473

Facility Contact (If different from Owner/Authorized Representative)

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)
Print Name and Title:Same As Above

Facility Contact Mailing Address
Organization/Firm:
Street Address:
City: County: Zip Code:

Facility Contact Telephone Numbers
Telephone: Fax:
Cell phone (optional):

Owner/Authorized Representative Statement

This statement must be signed and dated by the person named above as owner or authorized representative

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.

I will promptly notify the Department of any changes to the information contained in this registration form.

Signature 10/26/10
Date

Type of Facility

Check one:

☐ **Stationary Facility** ☒ **Relocatable Facility**

Type(s) of Precautions Used to Prevent Unconfined Emissions

Check all that apply for the management of roads, parking areas, stock piles and yards:

☒ **Maintain Roads/Parking/Yards** ☒ **Use Water Application** ☒ **Use Dust Suppressant**
☒ **Remove Particulate Matter** ☒ **Reduce Stock Pile Height** ☐ **Install Wind Breaks**

Check the location of spray bars at the nonmetallic mineral processing plant:

☒ **Feeders** ☒ **Entrance to "Crusher"** ☒ **Exit of "Crusher"**
☒ **Classifier Screens** ☒ **Conveyor Drop Points**

Description of Reasonable Precautions

Below, or as an attachment to this form, provide details of all types of reasonable precautions to be used to prevent unconfined emissions at the facility.

Contractor will utilize ways to reduce dust include using water trucks, restricting earthmoving activities to times when the wind is low, and altering work practices. The Contractor shall take reasonable precautions to control unconfined emmissions from hoppers, storage, and conveying equipment, conveyor drop points, truck loading and unloading, roads, parking areas, stock piles, and yards.

Reduction of stock pile height or installation of wind breaks or mitigate wind entrainment of particlate matter from stockpiles.

A power broom will be onsite for sweeping as necessary. Fugitive dust must be controlled by watering.

Equipment on site for moving material will include the following:

John Deere 450C - excavator - diesel, 74,000 (specs attached)

CAT 980 G - wheel loader - diesel, 67,000 (specs attached)

Crusher is fitted with DUST SUPPRESSION SPRAYS
Sprays bars with atomiser nozzles are mounted over the impactor discharge point and the product conveyor head piped to an inlet manifold for client's pressured water supply.
Type: Clean water multi atomising nozzles.
Inlet: Single point.
Pressure required: 2.8 bar (42 psi).
Water supply: 7 litres per minute.
Frost Protection: Via system drain valves

Description of Facility

Below, or as an attachment to this form, provide a description of the nonmetallic mineral processing operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

Contractor is performing a demolition of a existing building slab down to grade. Slab size is apprximately 180,000 square feet with an average 4 foot height.

Equipment used for processing will include

Terex BL-Pegson 1412 TRAKPACTOR - impact crusher, diesel, Caterpillar C-12 - 438 HP.
Capacity up to 550 tons per hour,

Belt width	#1	48 inch

(specs attached)

Powerscreen 7612 - radial stacker, diesel, Caterpiller 3408 - 150HP
Capacity 550 tons per hour, weight 20,000

Belt width	#1	32 inch

1) DISCHARGE HT.?
2) LENGTH OF BELT?

* SEE ATTACHED E-MAIL DATED 11/09/10 AS AN ADDENDUM TO THIS FORM.

Powerscreen Cheiftain 2100 - screener, diesel, Duetz BF4M2012 - 109 HP
Capacity up to 600 tons per hour, Weight 72,000,

belt width (central)	#1	36 inch
Belt width (side)	#2 #3 #4	24 inch
belt width (internal)	#5 #6	36 inch

*ADDENDUM TO # 7775654-001
PAGE 10, DESCRIPTION OF FACILITY

Dibble, Dickson

From: Greg the Garbageman [greg@garbageman.com]
Sent: Tuesday, November 09, 2010 4:46 PM
To: Dibble, Dickson
Subject: Greg the Garbageman

Importance: High

Dickson,

As per our discussion the Powerscreen 7612 - Radial Stacker has the following:

Belt Length - 160 feet
Discharge Height - 25 feet

Please add this information to my NONMETALLIC MINERAL PROCESSING PLANT AIR GENERAL PERMIT REGISTRATION FORM dated October 26, 2010

Regards,

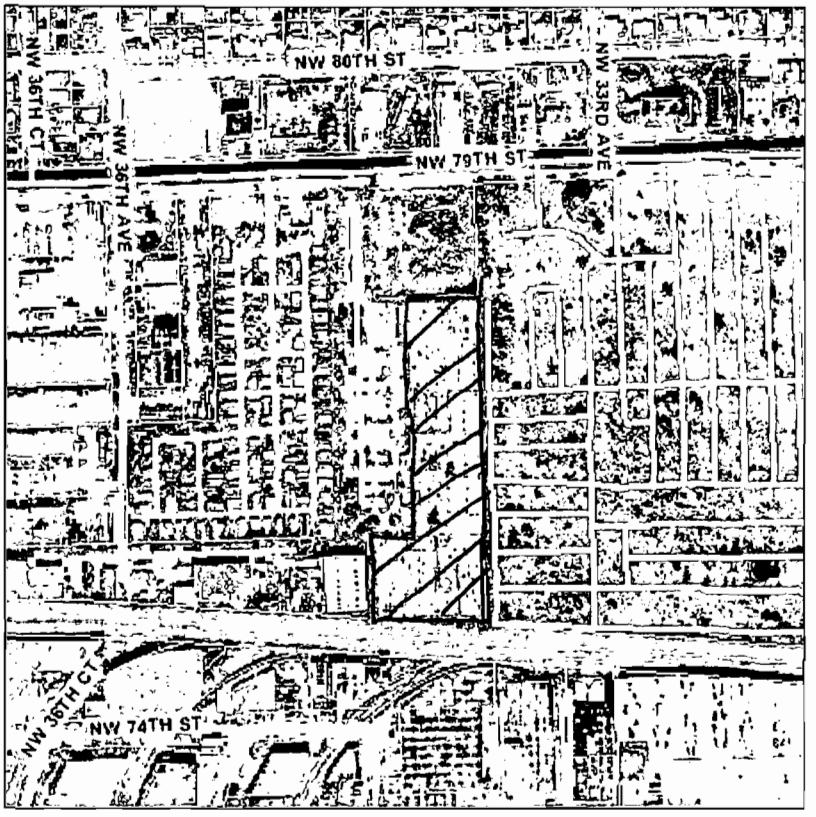
Greg Davis

My Home
Miami-Dade County, Florida

miamidade.gov

MIAMI-DADE

Property Information Map



Aerial Photography - 2009 0 221 ft

This map was created on 10/26/2010 4:06:33 PM for reference purposes only.

Close

Summary Details:

Folio No.:	30-3109-034-0010
Property:	3500 NW 79 ST
Mailing Address:	IMPERIAL MANAGEMENT LLC 1430 NW 88 AVE MIAMI FL 33172-

Property Information:

Primary Zone:	6400 COMMERCIAL, MEDIUM INTENSITY
CLUC:	0081 VACANT LAND
Beds/Baths:	0/0
Floors:	0
Living Units:	0
Adj Sq Footage:	0
Lot Size:	9.03 ACRES
Year Built:	0
Legal Description:	9 53 41 9.032 AC M/L BODIN INDUSTRIAL PARK PB 94-21 TR A OR 19290-3774 09200 3 OR 26588-1560 0908 01

Assessment Information:

Year:	2010	2009
Land Value:	$1,770,440	$1,770,440
Building Value:	$0	$0
Market Value:	$1,770,440	$1,770,440
Assessed Value:	$1,770,440	$1,770,440

Taxable Value Information:

Year:	2010	2009
Taxing Authority:	Applied Exemption/ Taxable Value:	Applied Exemption/ Taxable Value:
Regional:	$0/$1,770,440	$0/$1,770,440
County:	$0/$1,770,440	$0/$1,770,440
School Board:	$0/$1,770,440	$0/$1,770,440

Sale Information:

Sale Date:	9/2008
Sale Amount:	$10
Sale O/R:	26588-1560
Sales Qualification Description:	Sales which are disqualified as a result of examination of the deed

View Additional Sales

450C LC

Engine	450C LC
Type	John Deere 6125H with turbocharger and air-to-air charge air cooler; meets EPA Tier II non-road emissions regulations
Rated power	316 SAE net hp (236 kW) @ 1,800 rpm
Cylinders	6
Displacement	763 cu. in. (12.5 L)
Maximum net torque	955 lb.-ft. (1295 Nm) @ 1,300 rpm
Fuel consumption, typical	8 to 14 gal./hr. (30 to 53 L/h)
Cooling fan	suction-type
Electrical system	24 volt with 45-amp alternator
Batteries *(two 12 volt)*	*reserve capacity: 180 min.*
Off-level capacity	100% (45 deg.)

Hydraulic System	
Main pumps	two variable-displacement axial-piston
Minimum flow	2 x 39 gpm (2 x 147 L/min.)
Maximum flow	2 x 100 gpm (2 x 379 L/min.)
Pilot pump	one gear
Maximum rated flow	9.3 gpm (35 L/min.)
Pressure setting	566 psi (3902 kPa)
System operating pressure	
Implement circuits	4,410 psi (30 406 kPa)
Travel circuits	5,050 psi (34 820 kPa)
Swing circuits	4,050 psi (27 923 kPa)
Power boost	4,620 psi (31 854 kPa)
Oil filtration	one 10-micron full-flow return filter with by-pass / one pilot oil filter / one suction filter

Cylinders	
Boom (2)	
Bore	6.69 in. (170 mm)
Rod diameter	4.53 in. (115 mm)
Stroke	62.6 in. (1590 mm)
Arm (1)	
Bore	7.48 in. (190 mm)
Rod diameter	5.12 in. (130 mm)
Stroke	76.4 in. (1940 mm)
Bucket (1)	
Bore	6.69 in. (170 mm)
Rod diameter	4.53 in. (115 mm)
Stroke	52.2 in. (1325 mm)

Swing Mechanism	
Swing speed	0–9 rpm
Swing torque	107,004 lb.-ft. (145 189 Nm)

Undercarriage	
Carrier rollers (per side)	3
Track rollers (per side)	9
Shoes (per side)	53
Track guides	front and center
Track adjustment	hydraulic
Travel speed	
Low	0–2.1 mph (0–3.4 km/h)
High	0–3.4 mph (0–5.5 km/h)
Drawbar pull	79,590 lb. (36 100 kg)

Ground Pressure Data	
Average ground pressure	
30-in. (750 mm) triple semi-grouser shoes	9.12 psi (62.9 kPa); recommended for rocky terrain and stumps
36-in. (900 mm) triple semi-grouser shoes	7.71 psi (53.2 kPa); recommended for general/soft terrain

Capacities	
Fuel tank	171 gal. (650 L)
Cooling system	53 qt. (50 L)
Engine lubrication, including filter	44.5 qt. (42 L)
Hydraulic tank	74 gal. (280 L)

Capacities (continued) — 450C LC

Hydraulic system ..... 135 gal. (510 L)
Propel gearbox (each) ..... 9.5 qt. (9 L)
Swing drive (each) ..... 6.9 qt. (6.5 L)

Operating Weights

With full fuel tank; 175-lb. (79 kg) operator; 3.06-cu.-yd. (2.34 m³), 54-in. (1370 mm), 4,478-lb. (2031 kg) heavy-duty bucket; 12-ft. 10-in. (3.9 m) arm; 18,078-lb. (8200 kg) counterweight; 17-ft. 11-in. (5.47 m) undercarriage length with 9-ft. 6-in. (2.89 m) wide gauge

30-in. (750 mm) triple semi-grouser shoes ..... 102,560 lb. (46 521 kg)
36-in. (900 mm) triple semi-grouser shoes ..... 104,000 lb. (47 174 kg)

Component Weights

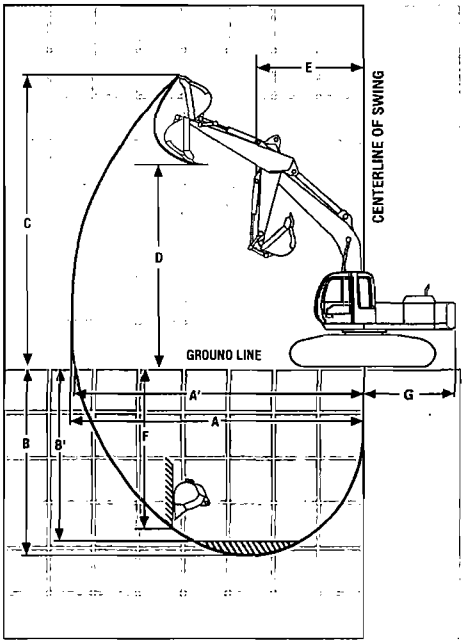
Undercarriage
- 30-in. (750 mm) triple semi-grouser shoes ..... 39,440 lb. (17 890 kg)
- 36-in. (900 mm) triple semi-grouser shoes ..... 40,895 lb. (18 550 kg)

Upperstructure with full fuel tank (less front attachments and 18,078-lb. [8200 kg] counterweight) ..... 24,149 lb. (10 955 kg)

Boom (with arm cylinder)
- One piece ..... 9,017 lb. (4090 kg)
- Heavy duty ..... 9,458 lb. (4290 kg)
- ME one piece ..... 9,470 lb. (4296 kg)

Arm with bucket cylinder and linkage
- 9 ft. 6 in. (2.9 m) ..... 5,082 lb. (2305 kg)
- 11 ft. 2 in. (3.4 m) ..... 5,004 lb. (2270 kg)
- 12 ft. 10 in. (3.9 m) ..... 5,357 lb. (2430 kg)
- 16 ft. 1 in. (4.9 m) ..... 5,137 lb. (2330 kg)

Boom lift cylinders (2) total weight ..... 1,851 lb. (840 kg)
54-in. (1370 mm), 3.06-cu.-yd. (2.34 m³) bucket ..... 4,478 lb. (2031 kg)
Counterweight ..... 18,078 lb. (8200 kg)



Shipping Weight

Upperstructure with full fuel tank, boom with arm cylinder, boom cylinders (2), and undercarriage with 36-in. (900 mm) triple semi-grouser shoes (**less** 18,078-lb. [8200 kg] counterweight; 5,357-lb. [2430 kg], 12-ft. 10-in. [3.9 m] arm; 4,478-lb. [2031 kg], 54-in. [1370 mm], 3.06-cu.-yd. [2.34 m³] bucket; and 175-lb. [79 kg] operator) ..... 74,060 lb. (33 594 kg)

Operating Information

	Arm Length 9 ft. 6 in. (2.9 m) and Boom Length 23 ft. 0 in. (7.0 m)	*Arm Length 11 ft. 2 in. (3.4 m) and Boom Length 23 ft. 0 in. (7.0 m)*	*Arm Length 12 ft. 10 in. (3.9 m) and Boom Length 23 ft. 0 in. (7.0 m)*	*Arm Length 16 ft. 1 in. (4.9 m) and Boom Length 23 ft. 0 in. (7.0 m)*	*ME Arm Length 9 ft. 6 in. (2.9 m) and ME Boom Length 19 ft. 8 in. (6.3 m)*
Arm force with 54-in. (1370 mm) heavy-duty bucket*	51,013 lb. (227 kN)	43,816 lb. (195 kN)	40,026 lb. (178 kN)	34,778 lb. (155 kN)**	51,013 lb. (227 kN)**
Bucket digging force with 54-in. (1370 mm) heavy-duty bucket*	53,028 lb. (236 kN)	53,028 lb. (236 kN)	53,028 lb. (236 kN)	40,505 lb. (180 kN)**	53,028 lb. (236 kN)
Lifting capacity over front @ ground level 20-ft. (6.1 m) reach*	36,200 lb. (16 420 kg)	36,500 lb. (16 556 kg)	35,800 lb. (16 239 kg)	35,100 lb. (15 921 kg)	35,900 lb. (16 284 kg)
A Maximum reach	37 ft. 4 in. (11.39 m)	39 ft. 6 in. (12.05 m)	40 ft. 11 in. (12.48 m)	43 ft. 11 in. (13.38 m)	35 ft. 7 in. (10.84 m)
A' Maximum reach @ ground level	36 ft. 7 in. (11.14 m)	38 ft. 9 in. (11.81 m)	40 ft. 3 in. (12.27 m)	43 ft. 3 in. (13.18 m)	34 ft. 9 in. (10.59 m)
B Maximum digging depth	23 ft. 10 in. (7.26 m)	25 ft. 6 in. (7.76 m)	27 ft. 1 in. (8.26 m)	29 ft. 11 in. (9.11 m)	20 ft. 5 in. (6.23 m)
B' Maximum digging depth @ 8-ft. (2.44 m) flat bottom	23 ft. 2 in. (7.06 m)	25 ft. 0 in. (7.62 m)	26 ft. 8 in. (8.13 m)	29 ft. 6 in. (9.00 m)	19 ft. 9 in. (6.03 m)
C Maximum cutting height	33 ft. 8 in. (10.27 m)	36 ft. 4 in. (11.08 m)	36 ft. 8 in. (11.18 m)	38 ft. 11 in. (11.85 m)	35 ft. 9 in. (10.89 m)
D Maximum dumping height	23 ft. 1 in. (7.04 m)	25 ft. 2 in. (7.66 m)	25 ft. 6 in. (7.78 m)	28 ft. 9 in. (8.77 m)	24 ft. 1 in. (7.34 m)
E Minimum swing radius	16 ft. 2 in. (4.92 m)	15 ft. 11 in. (4.84 m)	15 ft. 9 in. (4.81 m)	15 ft. 10 in. (4.82 m)	13 ft. 0 in. (3.95 m)
F Maximum vertical wall	17 ft. 6 in. (5.34 m)	21 ft. 10 in. (6.66 m)	23 ft. 1 in. (7.09 m)	27 ft. 9 in. (8.45 m)	16 ft. 9 in. (5.10 m)
G Tail swing radius	11 ft. 5 in. (3.48 m)	11 ft. 5 in. (3.48 m)	11 ft. 5 in. (3.48 m)	11 ft. 5 in. (3.48 m)	11 ft. 5 in. (3.48 m)

*Digging forces and lift capacities with power boost.
**Equipped with 54-in. (1370 mm) general-purpose bucket.

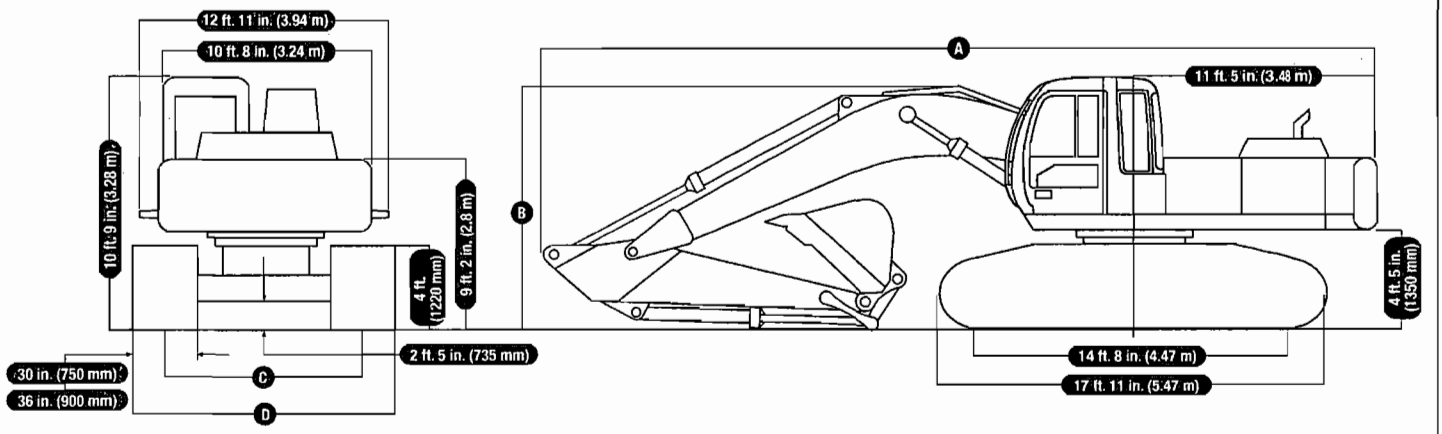
Dimensions 450C LC

A With 9-ft. 6-in. (2.9 m) arm ..... 39 ft. 1 in. (11.91 m)
With 11-ft. 2-in. (3.4 m) arm ..... 39 ft. 1 in. (11.92 m)
With 12-ft. 10-in. (3.9 m) arm ..... 39 ft. 1 in. (11.92 m)
With 16-ft. 1-in. (4.9 m) arm ..... 38 ft. 6 in. (11.73 m)
With 9-ft. 6 in. (2.9 m) ME arm and ME boom ..... 34 ft. 2 in. (10.41 m)

B With 9-ft. 6-in. (2.9 m) arm ..... 11 ft. 10 in. (3.60 m)
With 11-ft. 2-in. (3.4 m) arm ..... 11 ft. 5 in. (3.48 m)
With 12-ft. 10-in. (3.9 m) arm ..... 11 ft. 5 in. (3.48 m)
With 16-ft. 1-in. (4.9 m) arm ..... 15 ft. 3 in. (4.66 m)
With 9-ft. 6-in. (2.9 m) ME arm and ME boom ..... 12 ft. 3 in. (3.74 m)

C Operating position ..... 9 ft. 6 in. (2.89 m)
Transport position ..... 7 ft. 10 in. (2.39 m)

D With 30-in. (750 mm) triple semi-grouser shoes
Operating position ..... 11 ft. 11 in. (3.64 m)
Transport position ..... 10 ft. 4 in. (3.14 m)
With 36-in. (900 mm) triple semi-grouser shoes
Operating position ..... 12 ft. 5 in. (3.79 m)
Transport position ..... 10 ft. 10 in. (3.29 m)



· IT62H
· 966H
· 972H
· 980H
› Large Wheel Loaders
› Waste Handling Arrangement
» Wheel Tractor-Scrapers
Work Tool Attachments
Allied
Engines
Used Equipment
Power Generation
Turbines
Electronics
OEM Solutions
Technology
Gifts & Apparel

--- Select a Model ---

980H WHEEL LOADER

Overview | Benefits & Features | Standard / Optional Equip. | Work Tool Attachments | Machine Comparison

SPECIFICATIONS

Units: **US** | **Metric**

Engine	
Net Power - ISO 9249	349 hp
Engine Model	Cat® C15 ACERT™
Net Power - 80/1269/EEC	353 hp
Gross Power - SAE J1995	393 hp
Net Power - SAE J1349	349 hp
Peak Torque (Net) @ 1,200 RPM	1244 ft-lb
Bore	5.4 in
Stroke	6.75 in
Displacement	928 in3

Weights	
Operating Weight	67294 lb

Buckets	
Bucket Capacities	3.8-6.1 m^3 5.0-8.0 yd^3
Max Bucket Capacity	8 yd3
Bucket Width	11.59 ft
Capacity - Reference bucket	5.49 yd3
Type - Reference bucket	GP with teeth
Breakout force of Reference bucket	61372.83 lb

Transmission	
Forward 1	4.1 mph
Forward 2	7.3 mph
Forward 3	12.9 mph
Forward 4	22.6 mph
Reverse 1	4.7 mph
Reverse 2	8.4 mph
Reverse 3	14.7 mph
Reverse 4	25.8 mph

Axles	
Front	Fixed front
Rear	Oscillating +/- 13°
Maximum Single-Wheel Rise and Fall	21.7 in

Brakes	
Brakes	Meets required standards.

Hydraulic System	
Bucket/Work Tool System - Relief Valve Setting	3000 psi
Hydraulic Cycle Time - Raise	6 Seconds
Hydraulic Cycle Time - Dump	2.1 Seconds
Hydraulic Cycle Time - Lower, Empty, Float Down	3.4 Seconds
Hydraulic Cycle Time - Total	11.5 Seconds
Pilot System - Pump Output	122.58 gal/min

Service Refill Capacities	
Fuel Tank - Standard	127 gal
Cooling System	22 gal
Crankcase	17 gal
Transmission	16 gal
Differentials and Final Drives - Front	23 gal
Differentials and Final Drives - Rear	23 gal
Hydraulic System (Including Tank)	66 gal
Hydraulic Tank	33 gal

Cab	
ROPS/FOPS	Meets SAE and ISO standards.

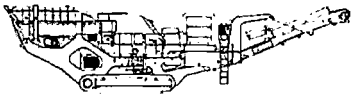
Tires	
Tires	Choose from a variety of tires to match your application.

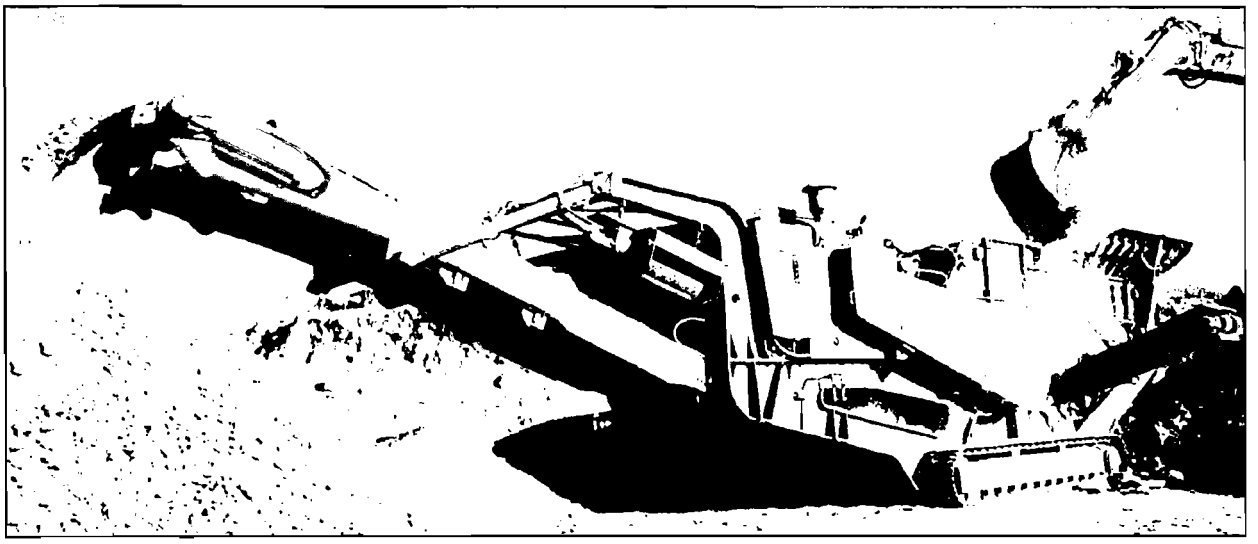
Operating Specifications	
Dump Clearance	10843.14 ft
Static Tipping Load, Full Turn	42989 lb
Breakout Force	44775 lb

Dimensions	
Height to top of ROPS	12.35 ft
Height to top of exhaust pipe	12.19 ft
Height to top of hood	8.91 ft
Ground clearance	1.45 ft
B-pin height - standard	14.78 ft
Center line rear axle to edge of counterweight	8.18 ft
Wheelbase	12.14 ft
Center line rear axle to hitch	6.07 ft

TEREX | PEGSON

1412 TRAKPACTOR SPECIFICATION

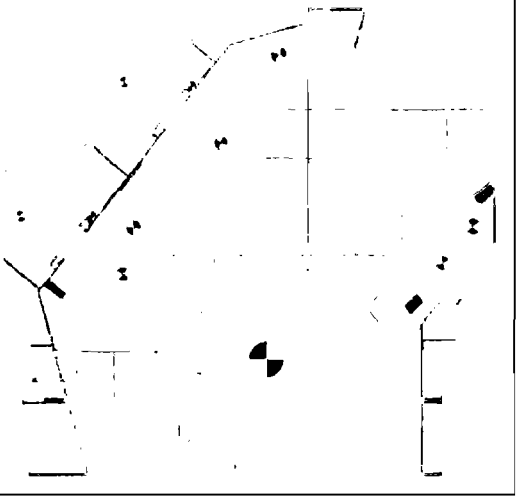




Above photograph features a 1412 Trakpactor fitted the with optional side conveyor and magnet.

IMPACT CRUSHER

Crusher type:	Hazemag AP-PH 1214/Q.
Rotor Width:	1340 mm.
Rotor Diameter:	1200 mm. (Over blowbars)
Feed opening:	810 mm x 1360 mm.
Crusher frame:	Fabricated in 20mm thick steel plate. Lined with 20mm thick "Hardox 400" interchangeable bolt on wear plates.
Rotor:	Runs in rugged spherical self aligning roller bearings and is fitted with four reversible and replaceable fixed blow bars.
Blowbars:	Two full size and two half size Martensitic steel blow bars are fitted as standard. Retractable vertically or horizontally.
Impact aprons:	Two Manganese impact aprons locked in place hydraulically. Hydraulic overload protection system for both impact aprons.
Drive:	Through wedge belts with screw tension adjustment on engine.
Maximum feed size:	0-600 x 500 x 500mm or slabs 1200 x 1000 x 250mnm edge length.
Impactor speeds:	34 to 44 Metres per second. (Rotor tip speed) Different speed achieved by adjusting engine speed on throttle.
Adjustment:	Hydraulic assist with manually adjusted proximity switches.
Hydraulic Overload Protection:	On overload, impact aprons retreat, then automatically return to pre-set position.
Maintenance:	Hydraulic case opening
Inlet plate:	Hydraulically raising crusher inlet plate.

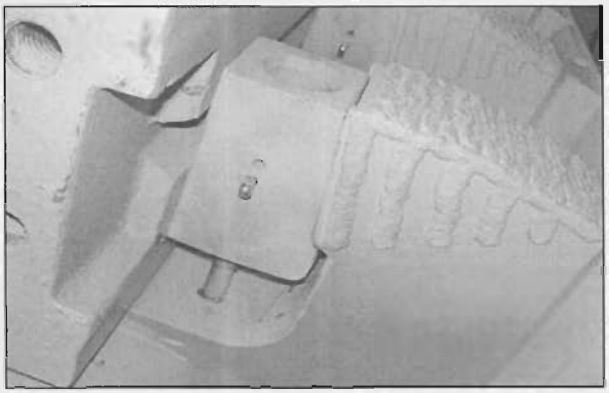
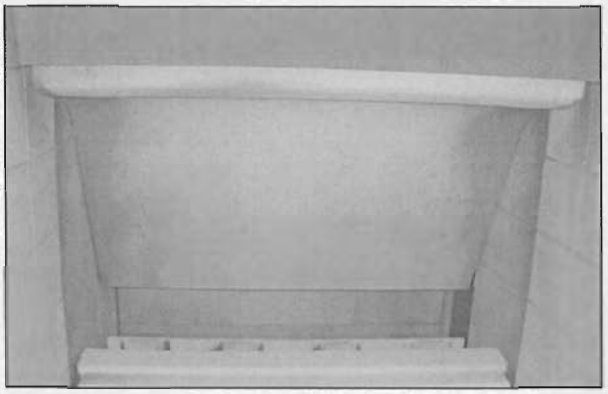
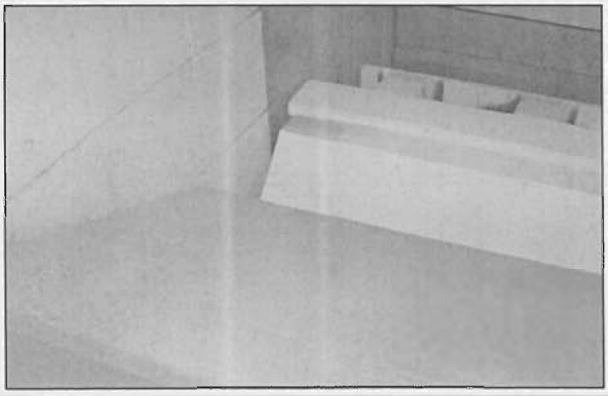
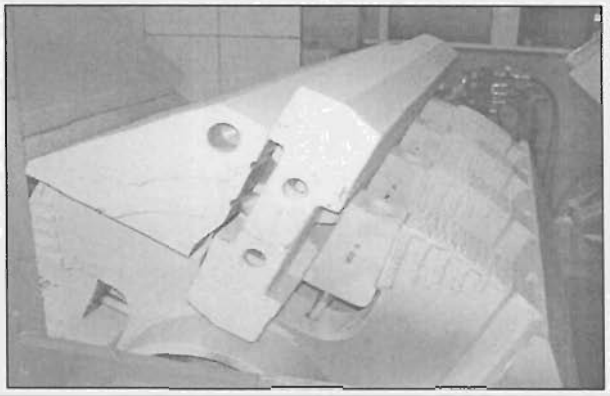


APPLICATIONS

This plant is designed for both demolition and quarrying applications. When fitted with manganese blow bars the crusher will tolerate small quantities of steel reinforcing bar in the feed. However, the machine is not designed to accept large pieces of steel or other uncrushable objects, and the feed material should be assessed / inspected for suitability prior to use. It is vitally important that large pieces of steel or similar uncrushable objects are not allowed to enter the crushing chamber as severe damage and injury may occur. When High Chrome bars are fitted, *no* steel should be allowed to enter the chamber, the machine should only be used on quarry applications, or clean materials such as asphalt.

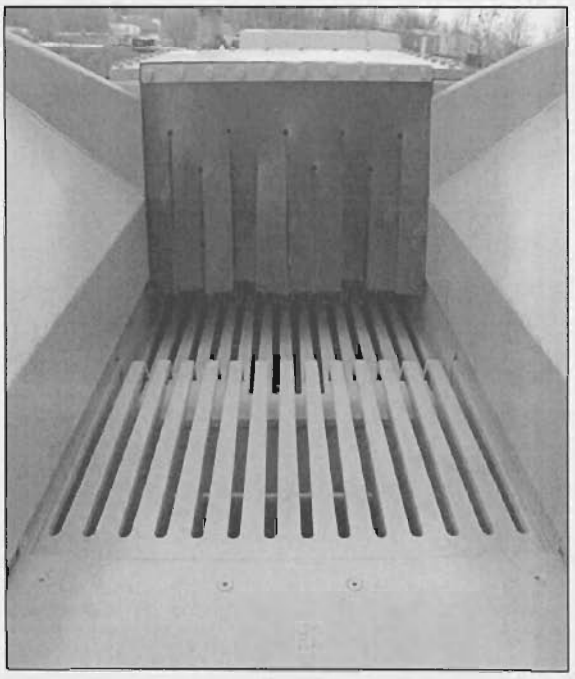
1412 TRAKPACTOR SPECIFICATION

IMPACT CRUSHER - INTERNAL

VIBRATING GRIZZLY FEEDER

Type:	Spring mounted vibrating.
Vibrating unit:	Twin heavy-duty cast eccentric shafts running in spherical roller bearings. Gears coupled at drive end.
Length:	4260mm.
Width:	1380mm.
Pan:	12mm thick abrasion resistant steel bottom plate is included in the welded construction.
Drive:	Flange mounted hydraulic motor.
Grizzly:	2000mm long double section of welded tapered finger bars at 48mm spaces fabricated in 20mm thick abrasion resistant steel.
Underscreen:	Removable rubber blanking mat fitted as standard. This can be substituted for various aperture wire meshes (available as optional extras) when used in conjunction with the optional side dirt conveyor.
Control:	Variable speed control through a proportional flow control valve.



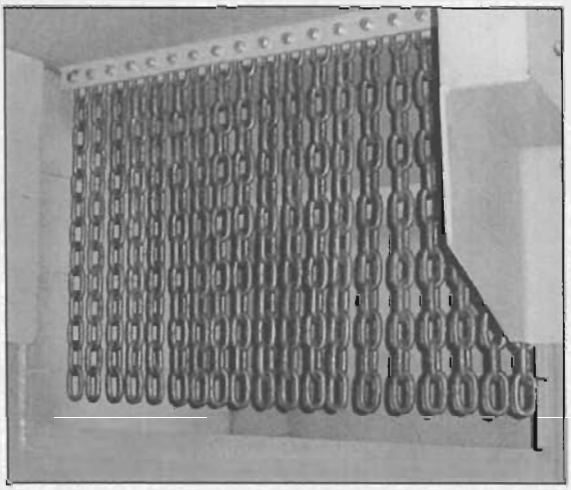
1412 TRAKPACTOR SPECIFICATION

HOPPER

Hopper type:	Hydraulic folding hopper with over centre struts and wedgelock system.
Hopper length:	4400mm.
Hopper width:	2735mm.
Hopper capacity:	Up to 6.6m^3 dependent upon method of feed.
Hopper body:	Hardox wear resistant steel plate, suitably braced.

PLANT CHUTEWORK

Impactor feed chute:	Fabricated in 10mm mild steel plate with fully width single strand chain curtain and rubber curtain. Liners fitted at wear points.
Grizzly fines/ bypass Chute:	Fabricated in 6mm mild steel plates with two way flap door. Material passing over the blanking mat is discharged to the main product or the dirt chute via the bypass chute.



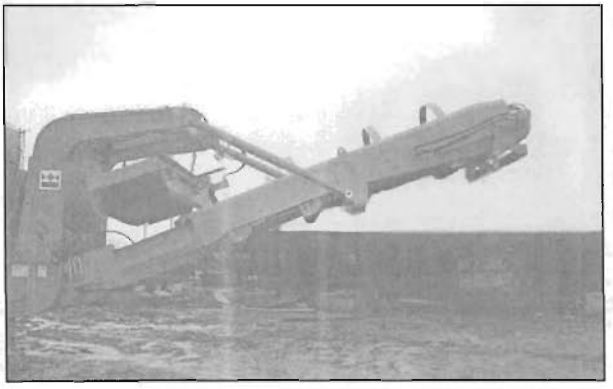
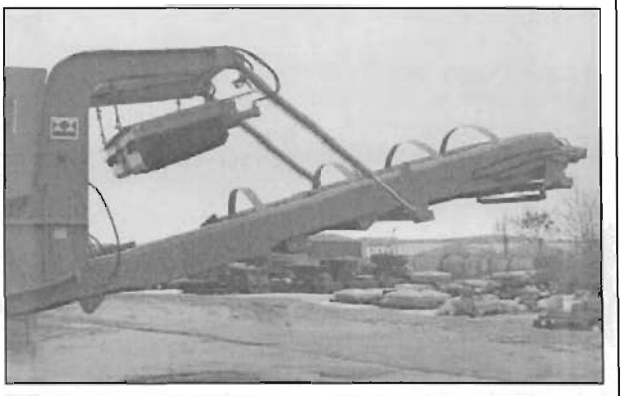
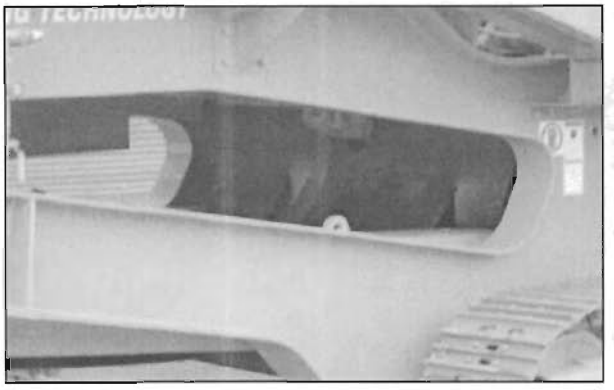
TRACK DRIVE

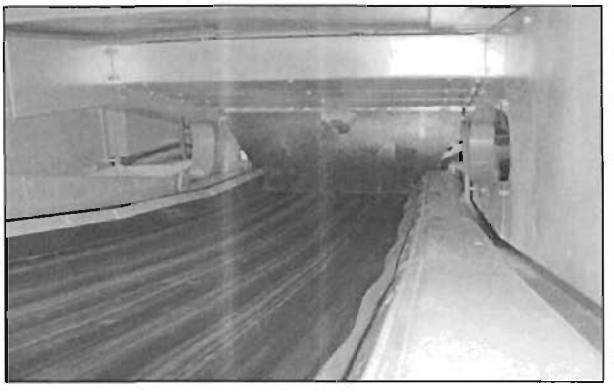
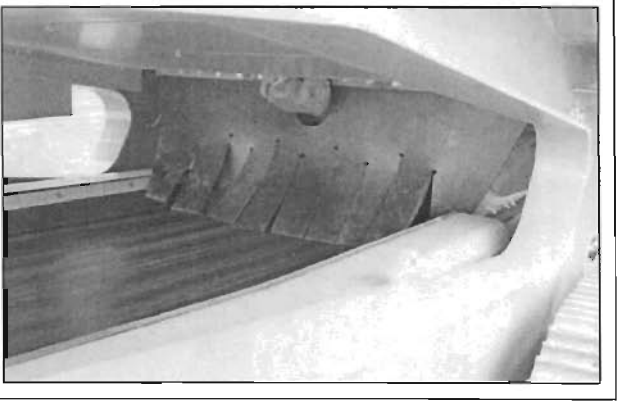
Type:	Heavy duty tracks fitted as standard.
Pitch:	240mm.
Longitudinal centres:	3800mm.
Track width:	400mm.
Climbing grade:	28° maximum.
Track speed:	0.8 Km/h.
Drive:	Hydraulic integral motor.
Control:	Remote handset - dual speed.
Track tensioning:	Hydraulic adjuster, grease tensioning.

1412 TRAKPACTOR SPECIFICATION

ON PLANT PRODUCT CONVEYOR

Conveyor Type:	Shallow troughed belt conveyor.
Design:	Fully removable modular unit to aid access and maintenance. Conveyor is designed to lower for transport and the removal of trapped material. The conveyor can be lowered and raised whilst crushing.
Belt Type:	Ripstop EP500/3 with 7.5mm top and 1.5mm bottom rubber covers.
Belt width:	1200mm.
Max Disc Height:	3935mm
Maximum Clearance:	840mm when belt lowered.
Drive:	Twin direct drive hydraulic motors.
Feedboot:	Fabricated in mild steel plate with abrasion resistant steel liners.
Skirting:	Fully skirted wear resistant rubber sealing along the conveyor length.
Impact cradle:	This is provided beneath the belt immediately below the impactor outlet.
Belt adjustment:	Belt tensioning is by use of screw adjustment at the head end
Lubrication:	Remote greasing to head/tail drum bearing blocks.

Above photographs feature a 1412 Trakpactor fitted with the optional magnet.

1412 TRAKPACTOR SPECIFICATION

POWERPACK

Powerpack type:	Caterpillar C-12.
Power:	438 Hp at 2100 rpm. Constant power from 1800 – 2100 rpm.
Engine speed:	Variable speed drive achieved by adjusting engine speed on throttle eliminating the need for pulley changes. The engine speed can be adjusted from 1600-2100rpm.
Engine:	Six cylinder, four stroke, direct injection.
Fuel tank capacity:	594 Litres.

CLUTCH

Clutch type:	21 KPTO fully automatic clutch.

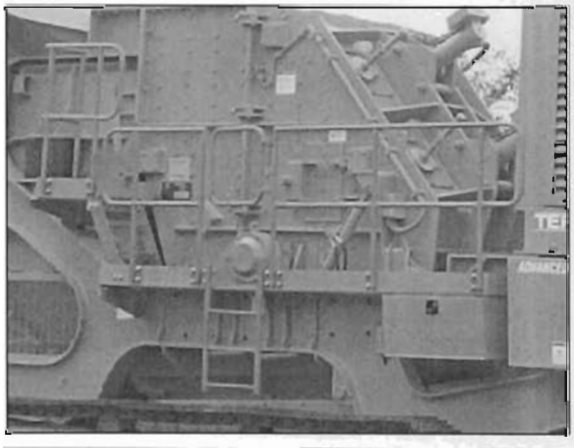
GUARDS

Wire mesh or sheet metal guards are provided for all drives, flywheels, pulleys & couplings.

The guards provided are designed and manufactured to CE & ANSI standards.

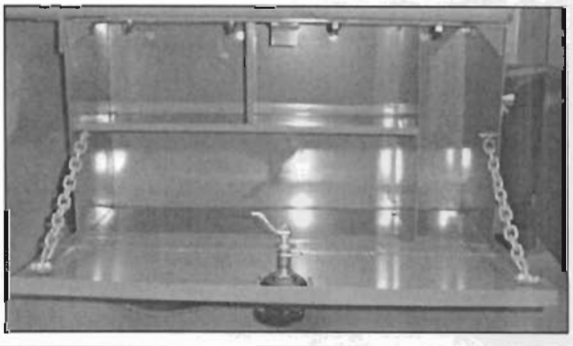
PLATFORMS

A steel grid maintenance platform is provided on one side of the feeder and impactor fitted with double row handrails and access ladders. Platforms are also included to gain access to the rear of the crusher and the powerpack.



TOOLBOX

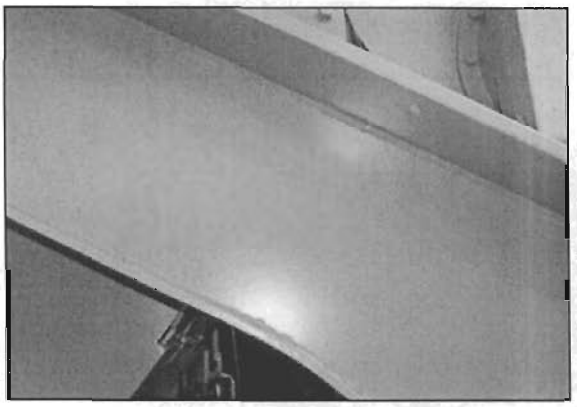
A plant mounted lockable toolbox is provided containing the grease gun and operators manual.



1412 TRAKPACTOR SPECIFICATION

CHASSIS

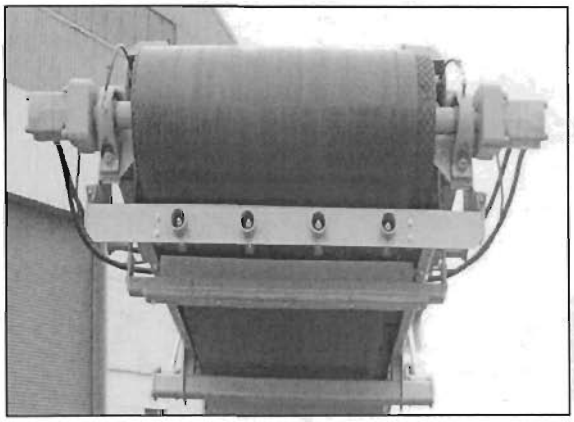
Heavy duty steel fabricated I section of welded construction.



DUST SUPPRESSION SPRAYS

Sprays bars with atomiser nozzles are mounted over the impactor discharge point and the product conveyor head piped to an inlet manifold for client's pressured water supply.

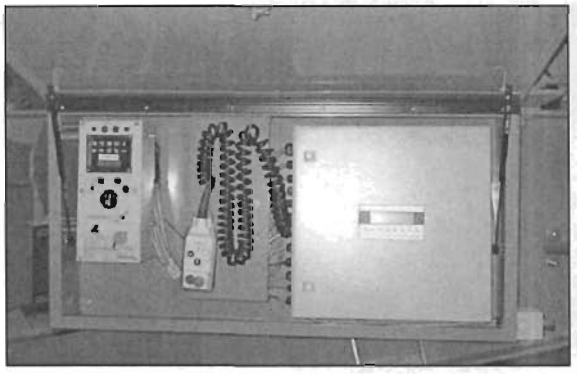
Type:	Clean water multi atomising nozzles.
Inlet:	Single point.
Pressure required:	2.8 bar (42 psi).
Water supply:	7 litres per minute.
Frost Protection:	Via system drain valves.
Pump:	Optional extra.



PLC CONTROLS

A CAN-bus PLC control system is fitted onto the plant to control operation the following items:-

- Plant set-up.
- Impactor maintenance.
- Feeder (Start/Stop/Speed).
- Optional Dirt conveyor (Start/Stop/Raise/Lower).
- Product conveyor (Start/Stop/Raise/Lower).
- Engine power/temperature control.
- Crusher impact apron adjustment.



UMBILICAL CONTROL

An umbilical control unit is also supplied with the plant. This is fitted with controls for the track motion, feeder stop, start and a stop button for the plant.

1412 TRAKPACTOR SPECIFICATION

OPTIONAL EXTRAS

(For prices refer to BL-Pegson Limited)

- Re-Fuelling pump kit.
- Optional hydraulic folding hopper for shovel feed from rear 4.1 m wide.
- Single idler belt weigher with integrator and speed sensing wheel fitted to the main product conveyor.
- Overband magnetic separator
- Side/dirt conveyor.
- Wire meshes for feeder underscreen to separate scalpings at 10mm, 20mm, 30mm, 40mm or 50mm. Can only be used with optional dirt conveyor in situ.
- Radio remote control
- High Manganese blow bars.
- High Chrome blow bars (only for use when no steel is in the feed)
- Four full size blow bars in lieu of two full and two half.

RECOMMENDED OPTIONAL EXTRAS

- Hydraulic driven water pump assembly to provide a pressurised water supply to the dust suppression sprays.
- Engine fire extinguisher system

REMOTE CONTROL (OPTIONAL EXTRA)

This remote radio control can be provided for the operating the tracking function and uses proportional joysticks for precise control. There are also facilities to start and stop the grizzly feeder, momentarily raise the impact-crusher inlet plate and shutdown the plant. **This facility is only available in certain countries where type approval has been obtained.** For a full list of countries please consult with BLP or your dealer.

MAGNET (OPTIONAL EXTRA)

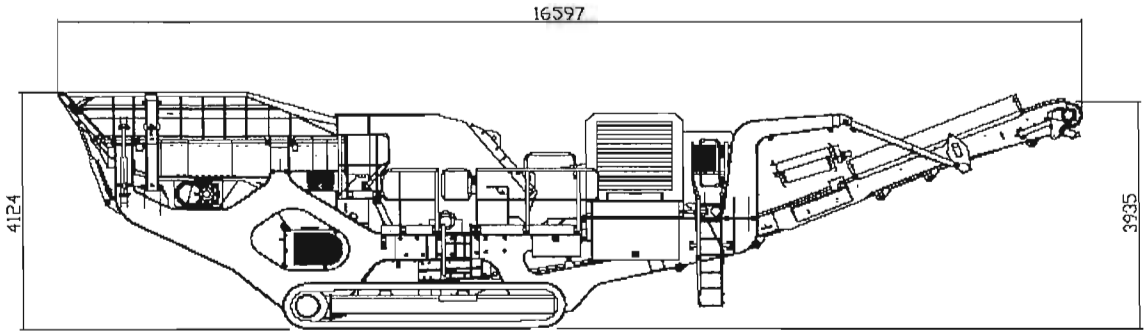
Magnet Type:	Eriez CP20/125 suspended self cleaning overband.
Magnet length:	2702mm.
Drive:	Direct drive hydraulic motor.
Control:	Pre-set variable speed.
Discharge chute:	Via stainless steel shredder plate.
Power:	570 Gauss at 200mm. 450 Gauss at 250mm.

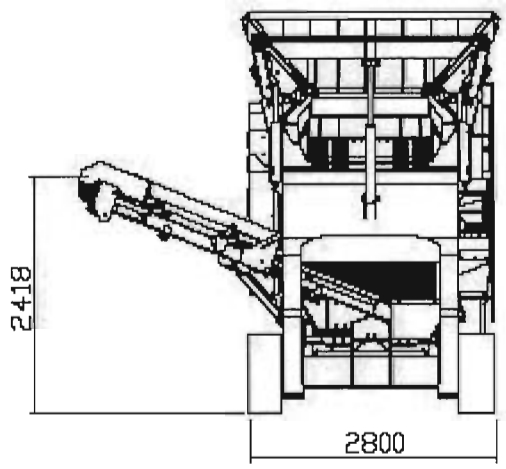
1412 TRAKPACTOR SPECIFICATION

ON PLANT DIRT/SIDE CONVEYOR (OPTIONAL EXTRA)

Conveyor type:	Troughed belt, hydraulically folding for transport.
Belt Type:	EP500/3 with 5mm top and 1.5mm bottom heavy duty rubber covers.
Length:	3980mm (head to tail drum centres).
Width:	600mm.
Discharge height:	2418mm.
Drive:	Direct drive hydraulic motor.
Lubrication:	Remote greasing to tail drum bearings.
Skirts:	Full length.
Position:	Mounted to discharge on drive side of plant only.

PLANT DIAGRAM





APPROXIMATE OVERALL PLANT WEIGHTS & DIMENSIONS

Operating Length:	**16597mm.**
Operating Width:	**2800mm.**
Operating Height:	**4214mm.**
Transport Length:	**16885mm.**
Transport Width:	**2800mm.**
Transport Height:	**3750mm.**
Total plant weight:	**48.04 Tonnes**

PAINTING

The plant is finish painted RAL 5015 Blue. The tracks and handrails are painted RAL 7012 Grey.

General

TEREX | Pegson equipment complies with CE requirements.

The plant is designed to operate between ambient temperatures of between -10c and 40c at altitudes up to 1000 meters above sea level. For applications outside this range please consult with Terex Pegson Limited.

Above line drawings feature a 1412 Trakpactor with optional magnet and side conveyor.

Please consult TEREX | Pegson if you have any other specific requirements in respect of guarding, noise or vibration levels, dust emissions, or any other factors relevant to health and safety measures or environmental protection needs. However, on receipt of specific requests we will endeavour to ascertain the need for additional equipment and, if appropriate, quote extra to contract prices. Every endeavour will be made to supply equipment as specified, but we reserve the right, where necessary, to amend the specifications without prior notice as we operate a policy of continual product development. It is the importers responsibility to check that all equipment supplied complies with local legislation.

Powerscreen International. Dist. Ltd.
Coalisland Road, Dungannon,
Co.Tyrone, N.Ireland BT71 4DR
Tel: +44(0) 2887 740701
Fax: +44(0) 2887 746569
Email: mail@powerscreen.co.uk

INTRODUCING THE

CHIEFTAIN 2100 TRIPLE DECK

All specifications subject to change without prior notice.

POWERSCREEN
A TEREX COMPANY

Turbo Chieftain 2100
Technical Specification

FEATURES

• Total weight	33,080kg (71,676 lbs) **(Estimate)**
• Vibrating grid fitted	35,790kg (77,638 lbs) **(Estimate)**
• Width (transport)	2.90m (9.5')
• Vibrating grid fitted	3.55m
• Hopper capacity	8.0m^3
• Screenunit	2 – bearing 4.88m x 1.55m (20' x 5') 3 deck
• Powerunit	Deutz BF4M2012 82kW (109HP) developing 75kW (100HP) @ 2200rpm.

ADVANTAGES

- High capacity -500 TPH, (depending on mesh sizes and material type).
- Quick set up time typically under 15 minutes.
- Maximum mobility with heavy duty, low ground pressure crawler tracks.
- Optional tri-axle bogie system allows the track machine to be transported without the need for a low loader.
- Removable heavy duty pendant remote control system.
- Optional radio control system available if required at extra cost.
- High performance hydraulic system – Cast iron pumps and motors c/w hydraulic oil cooler.
- Angle adjustable tipping grid with radio control double acting tipping grid rams.
- Low profile Single and double deck Vibrating Grid option with remote control tipping. Angle adjustable and fully riveted construction.

APPLICATIONS

- Sand and gravel
- Topsoil
- Coal
- Crushed stone
- Recycling

POWERSCREEN
A TEREX COMPANY

Turbo Chieftain 2100
Technical Specification

Hopper & Grid:

Adjustable angle tipping grid with integral loading and wing plates

Grid opening	3.57m x 1.8m (11'-9" x 5'-11")
Grid aperture:	102mm (4")
Target area:	4.3 x 1.8m (14'-1" x 5'-11")
Hopper capacity:	8.0m^3

Screenunit:

20' x 5' (4.88 x 1.55m) triple deck, Oil filled 2 bearing system.
This eliminates the need for constant greasing.

Feed Conveyor:

1200mm (48") wide direct feed conveyor with direct drive system & hydraulic variable speed control

Main Conveyor:

1050mm (42") wide hydraulically adjustable conveyor, fully skirted & sealed to prevent spillage.

Tail Conveyor:

1200mm (48") wide hydraulically folding tail conveyor
4.09m (13' – 9") stockpile height. (Measured to drum centre)

Side Conveyors:

800mm (32") wide hydraulically folding side conveyors with individual, variable speed control:
5.04m (16' – 6") stockpile height. (Measured to drum centre)

Auxillary Conveyor:

650mm (26") stockpile 4.5m (14' - 10")
This conveyor is transported with the machine .

Powerunit & Hydraulics:

Diesel engine:	Deutz BF4M2012 82kW (109HP) developing 75kW (100HP) at 2200rpm.
Flywheel pump1:	David Brown 5046/5033/5033 (46cc/rev and 32cc/rev)
PTO pump1:	David Brown 5023/5023 (23cc/rev each circuit)
PTO pump2 :	David brown SPA 22 (22cc/rev)
Feeder Motor:	Danfoss OMSS160 (160cc/rev)
Main conveyor Motor:	Danfoss OMV630 (630cc/rev)
Tail Conveyor Motor:	Danfoss OMT500 (500cc/rev)
Side Conveyor Motor:	Danfoss OMH400 (400cc/rev)
Screen Motor:	David Brown MCC 2208 (59cc/rev)

POWERSCREEN
A TEREX COMPANY

Turbo Chieftain 2100
Technical Specification

Tank Capacities:

Hydraulic tank:	564 L (124 Gal)
Diesel tank:	336 L (74 Gal)

Crawler Track Data:

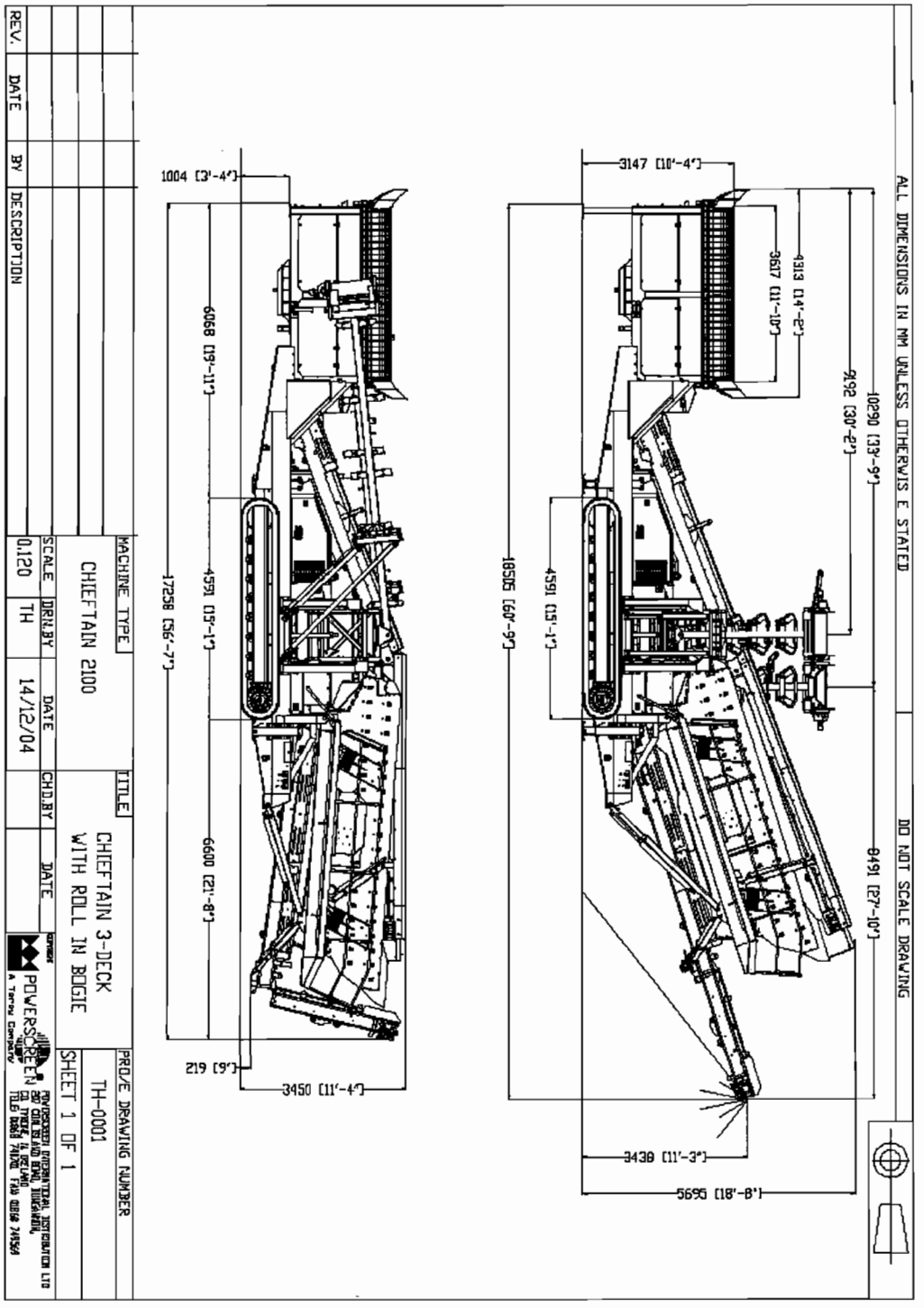
Tractive Effort	=	20,830 daN
Gradability Percentage	=	101 % (45deg)
Gearbox Ratio	=	1:153
Hydraulic Motor	=	Rexroth 90 cc/rev
Approximate Speed	=	0.62 Km/hr

Vibrating Grid Option

Screen size:	3.05m x 2.14m (10' x 7').
Working angle:	10° to 20° adjustable.
Tip angle:	45° maximum.
Motor:	David Brown MCC 2208 (59cc/rev)
Circuit:	Coupled to main conveyor circuit.
Transport height:	3.55m

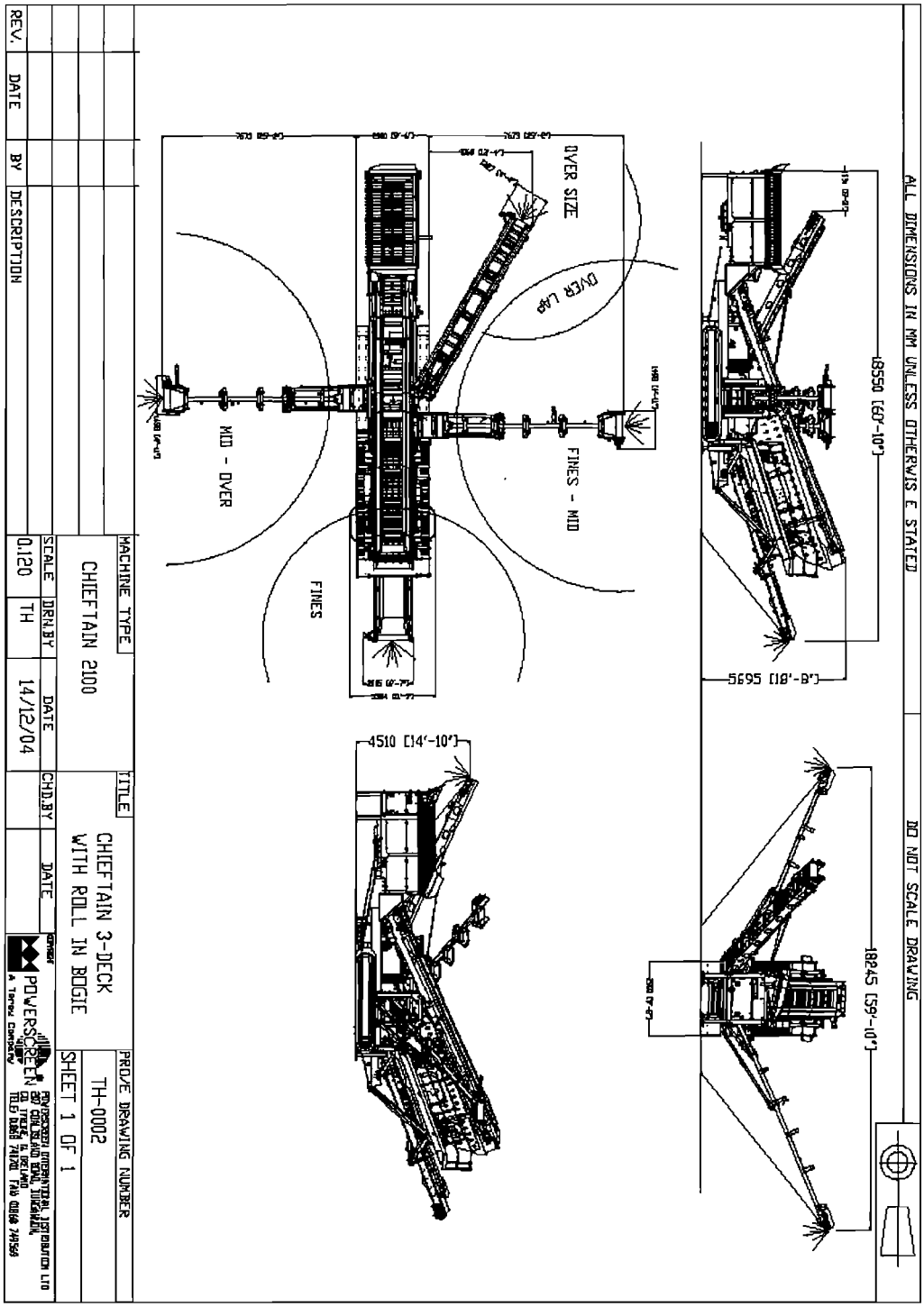
POWERSCREEN
A TEREX COMPANY

Turbo Chieftain 2100
Technical Specification



POWERSCREEN
A TEREX COMPANY

Turbo Chieftain 2100
Technical Specification



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