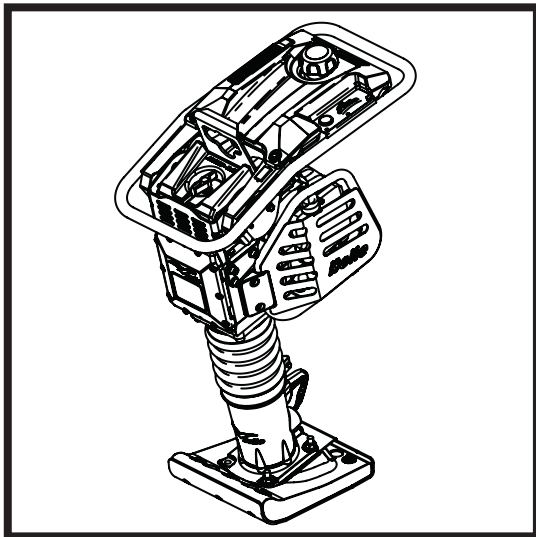




BELLE

RTX 50, 60, 68, 70 & 80D

870/10014/9
06/23



Ⓒ GB Operators Manual

2

UKCA Declaration of Conformity

3 - 13

EC Declaration of Conformity



BELLE
LIGHT
CONSTRUCTION
EQUIPMENT



Declaration Of Conformity (DOC)

We, **Altrad Belle, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB** declare that the DoC is issued under our sole responsibility and belongs to the followings product(s):



PRODUCT TYPE

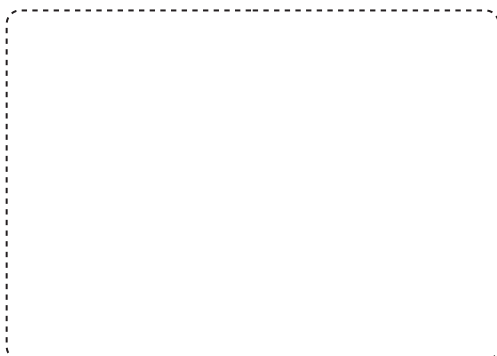
MODEL.....

SERIAL No.....

DATE OF MANUFACTURE

SOUND POWER LEVEL
MEASURED /
.....(GUARANTEED)

WEIGHT.....



Object of the Declaration:

Petrol/Diesel engine powered Trench Rammer used for compaction of cohesive material or moist content within trenches.

The object of the declaration described above is in conformity with the relevant **Statutory Requirements:**

- **2008 No. 1597** Supply of Machinery (Safety) Regulations 2008
- **2001 No. 1701** Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001

The following designated standards and technical specifications have been applied:

- **EN ISO 12100:2010** Safety of machinery
- **EN 500-4:2011** Mobile road construction machinery. Safety.
- **ISO 19452:2008** Building construction machinery and equipment. Pedestrian-controlled vibratory (percussion) rammers. Terminology and commercial specifications.
- **ISO 3744:2010** Acoustics — Determination of sound power levels and sound energy levels of noise sources using sound pressure

ANP CERTIFICATION LTD. (Approved Body, number 8500) 2 Parkfield Street, Manchester, M14 4PN, UK carried out Internal Control of Production with Assessment of Technical Documentation and Periodical Checking as per Schedule 9 of SI 2001 1701

Technical Files are held by **Ray Neilson** at the Altrad Belle address stated above:-

Place of Declaration:-

Sheen,
Nr. Buxton,
Derbyshire,
SK17 0EU,
UK

Signed by:

Ray Neilson

Date of Declaration:-

February 2022

Managing Director
On behalf of Altrad Belle
Sheen, Derbyshire, UK

F

Déclaration CE de conformité (DdC)

F

Nous, **Altrad Belle, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB** déclarons que la DdC est émise sous notre seule responsabilité et qu'elle appartient au(x) produit(s) suivants:



TYPE DE PRODUIT.....

MODÈLE

No DE SÉRIE.....

DATE DE FABRICATION.....

NIVEAU DE PUISSANCE
ACOUSTIQUE MESURÉ /
.....(GARANTI)

POIDS

Voir page 3
pour cette information

Signée par:

Ray Neilson
Directeur Général

Au nom de Altrad Belle, Sheen, Derbyshire, R.-U.

Lieu de la déclaration:-
Sheen, Nr. Buxton, Derbyshire, SK17 0EU, UK
Date de la déclaration:-
Avril 2021

Objet de la déclaration:

Pilon de tranchée à moteur essence / diesel utilisé pour le compactage de matériaux cohésifs ou contenu humide dans les tranchées.

L'objet de la déclaration décrite ci-dessus est conforme à la **législation de l'Union européenne en matière d'harmonisation:**

- **2006/42/EC** - Directive relative aux machines

- **2000/14/EC** - Émissions sonores - matériels utilisés à l'extérieur

Les normes et les spécifications techniques harmonisées suivantes ont été appliquées:

- **EN ISO 12100:2010** Sécurité des machines
- **EN 500-4:2011** Machines mobiles de construction de routes. Sécurité.
- **ISO 3744:2010** Acoustique - Détermination des niveaux de puissance acoustique et des niveaux d'énergie acoustique des sources de bruit à l'aide de la pression acoustique

VINÇOTTE nv/sa (NB0026) a effectué un contrôle interne de la production avec évaluation de la documentation technique et vérification périodique conformément à l'annexe VI de la directive 2000/14/CE

Les dossiers techniques sont détenus par **Hugues Menager** à l'adresse suivante:-
Altrad (Group Holding), 125 Rue du Mas Carbonnier, 34000, Montpellier, France.

F

Déclaration UE de conformité (DdC)

F

Nous, **Altrad Belle, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB** déclarons que la DdC est émise sous notre seule responsabilité et qu'elle appartient au(x) produit(s) suivants:



TYPE DE PRODUIT.....

MODÈLE

No DE SÉRIE.....

DATE DE FABRICATION.....

NIVEAU DE PUISSANCE
ACOUSTIQUE MESURÉ /
.....(GARANTI)

POIDS

Voir page 3
pour cette information

Signée par:

Ray Neilson
Directeur Général

Au nom de Altrad Belle, Sheen, Derbyshire, R.-U.

Lieu de la déclaration:-
Sheen, Nr. Buxton, Derbyshire, SK17 0EU, UK
Date de la déclaration:-
Avril 2021

Objet de la déclaration:

Pilon de tranchée à moteur essence / diesel utilisé pour le compactage de matériaux cohésifs ou contenu humide dans les tranchées.

L'objet de la déclaration décrite ci-dessus est conforme à la **législation de l'Union européenne en matière d'harmonisation:**

- **2014/30/EU** - Directive CEM

Les normes et les spécifications techniques harmonisées suivantes ont été appliquées:

- **EN ISO 12100:2010** Sécurité des machines
- **EN 500-4:2011** Machines mobiles de construction de routes. Sécurité.
- **ISO 3744:2010** Acoustique - Détermination des niveaux de puissance acoustique et des niveaux d'énergie acoustique des sources de bruit à l'aide de la pression acoustique

VINÇOTTE nv/sa (NB0026) a effectué un contrôle interne de la production avec évaluation de la documentation technique et vérification périodique conformément à l'annexe VI de la directive 2000/14/CE

Les dossiers techniques sont détenus par **Hugues Menager** à l'adresse suivante:-
Altrad (Group Holding), 125 Rue du Mas Carbonnier, 34000, Montpellier, France.

866/10001/1_F

E

Declaración CE de Conformidad (DDC)

E

Nosotros, **Altrad Belle, Nr. Buxton, Derbyshire, SK17 0EU, Gran Bretaña**, declaramos que la DDC se emite bajo nuestra responsabilidad exclusiva y concierne a los siguientes productos:



TIPO DE PRODUCTO.....

MODELO.....

NÚMERO DE SERIE.....

FECHA DE FABRICACIÓN

NIVEL DE POTENCIA
ACÚSTICA MEDIDO /.....
.....GARANTIZADO)

PESO

Ver página 3
para esta información

Firmado por:

Ray Neilson
Director General

Por Altrad Belle Sheen, Derbyshire, Reino Unido

Lugar de la Declaración:-
Sheen, Nr. Buxton, Derbyshire, SK17 0EU, UK

Fecha de la Declaración:-
Abril 2021

Objeto de la declaración:

Apisonador de zanja accionado por motor de gasolina / diesel utilizado para compactar material cohesivo o contenido húmedo dentro de las trincheras.

El objeto de la declaración antes descrita está conforme a la **Legislación sobre armonización de la Unión** relevantes:

- **2006/42/EC** - Nueva directiva relativa a las máquinas

- **2000/14/EC** - Emisiones sonoras - máquinas de uso al aire libre

Las siguientes normas armonizadas y especificaciones técnicas han sido aplicadas:

- **EN ISO 12100:2010** Seguridad de la maquinaria

- **EN 500-4:2011** Maquinaria de construcción de carreteras móviles. Seguridad.

- **ISO 3744:2010** Acústica: determinación de los niveles de potencia acústica y energía acústica niveles de fuentes de ruido usando presión sonora

VINÇOTTE nv/sa (NB0026) realizó un control interno de producción con evaluación de documentación técnica y verificación periódica de conformidad con el anexo VI de 2000/14/CE

Los archivos técnicos están en poder de **Hugues Menager** en la siguiente dirección:-
Altrad (Group Holding), 125 Rue du Mas Carbonnier, 34000, Montpellier, Francia.

E

Declaración UE de Conformidad (DDC)

E

Nosotros, **Altrad Belle, Nr. Buxton, Derbyshire, SK17 0EU, Gran Bretaña**, declaramos que la DDC se emite bajo nuestra responsabilidad exclusiva y concierne a los siguientes productos:



TIPO DE PRODUCTO.....

MODELO.....

NÚMERO DE SERIE.....

FECHA DE FABRICACIÓN

NIVEL DE POTENCIA
ACÚSTICA MEDIDO /.....
.....GARANTIZADO)

PESO

Ver página 3
para esta información

Firmado por:

Ray Neilson
Director General

Por Altrad Belle Sheen, Derbyshire, Reino Unido

Lugar de la Declaración:-
Sheen, Nr. Buxton, Derbyshire, SK17 0EU, UK

Fecha de la Declaración:-
Abril 2021

Objeto de la declaración:

Apisonador de zanja accionado por motor de gasolina / diesel utilizado para compactar material cohesivo o contenido húmedo dentro de las trincheras.

El objeto de la declaración antes descrita está conforme a la **Legislación sobre armonización de la Unión** relevantes:

- **2014/30/EU**

Directiva CEM

Las siguientes normas armonizadas y especificaciones técnicas han sido aplicadas:

- **EN ISO 12100:2010** Seguridad de la maquinaria

- **EN 500-4:2011** Maquinaria de construcción de carreteras móviles. Seguridad.

- **ISO 3744:2010** Acústica: determinación de los niveles de potencia acústica y energía acústica niveles de fuentes de ruido usando presión sonora

VINÇOTTE nv/sa (NB0026) realizó un control interno de producción con evaluación de documentación técnica y verificación periódica de conformidad con el anexo VI de 2000/14/CE

Los archivos técnicos están en poder de **Hugues Menager** en la siguiente dirección:-
Altrad (Group Holding), 125 Rue du Mas Carbonnier, 34000, Montpellier, Francia.

866/10001/1_E

P

Declaração de Conformidade da CE (DOC)

P

Nós, **Altrad Belle, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB**, declaramos que o DoC foi emitido sob a nossa exclusiva responsabilidade e pertence ao(s) seguinte(s) produto(s):



TIPO DE PRODUTO.....

MODELO.....

Nº SÉRIE.....

DATA DE FABRICO.....

NÍVEL DE POTÊNCIA SONORA
MEDIDAS /.....
..... (GARANTIDO)

PESO

**Veja a página 3
para esta informação**

Assinado por:

Ray Neilson
Diretor Executivo

*Em representação da Altrad Belle, Sheen,
Derbyshire, Reino Unido*

Local da Declaração:-
Sheen, Nr. Buxton, Derbyshire, SK17 0EU, UK

Data da Declaração:-
Abril 2021

Objeto da Declaração:

Compactador de vala movido a motor a gasolina / diesel usado para compactação de material coeso ou conteúdo úmido dentro das trincheiras.

O objeto da declaração acima descrita está em conformidade com a **Harmonização da Legislação Europeia** pertinente:

- **2006/42/CE** - Nova diretiva sobre máquinas

- **2000/14/CE** - Ruído - equipamento para utilização no exterior

Foram aplicadas as seguintes normas harmonizadas e especificações técnicas:

- **EN ISO 12100:2010** Segurança de máquinas

- **EN 500-4:2011** Maquinaria móvel para construção de estradas. Segurança.

- **ISO 3744:2010** Acústica - Determinação dos níveis de potência sonora e energia sonora níveis de fontes de ruído usando pressão sonora

VINÇOTTE nv/sa (NB0026) realizou o Controlo Interno da Produção com Avaliação da Documentação Técnica e Verificação Periódica de acordo com o Anexo VI de 2000/14/CE

A documentação técnica é mantida por **Hugues Menager** no seguinte endereço:-
Altrad (Group Holding), 125 Rue du Mas Carbonnier, 34000, Montpellier, França.

P

Declaração de Conformidade da UE (DOC)

P

Nós, **Altrad Belle, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB**, declaramos que o DoC foi emitido sob a nossa exclusiva responsabilidade e pertence ao(s) seguinte(s) produto(s):



TIPO DE PRODUTO.....

MODELO.....

Nº SÉRIE.....

DATA DE FABRICO.....

NÍVEL DE POTÊNCIA SONORA
MEDIDAS /.....
..... (GARANTIDO)

PESO

**Veja a página 3
para esta informação**

Assinado por:

Ray Neilson
Diretor Executivo

*Em representação da Altrad Belle, Sheen,
Derbyshire, Reino Unido*

Local da Declaração:-
Sheen, Nr. Buxton, Derbyshire, SK17 0EU, UK

Data da Declaração:-
Abril 2021

Objeto da Declaração:

Compactador de vala movido a motor a gasolina / diesel usado para compactação de material coeso ou conteúdo úmido dentro das trincheiras.

O objeto da declaração acima descrita está em conformidade com a **Harmonização da Legislação Europeia** pertinente:

- **2014/30/EU** - Diretiva CEM

Foram aplicadas as seguintes normas harmonizadas e especificações técnicas:

- **EN ISO 12100:2010** Segurança de máquinas

- **EN 500-4:2011** Maquinaria móvel para construção de estradas. Segurança.

- **ISO 3744:2010** Acústica - Determinação dos níveis de potência sonora e energia sonora níveis de fontes de ruído usando pressão sonora

VINÇOTTE nv/sa (NB0026) realizou o Controlo Interno da Produção com Avaliação da Documentação Técnica e Verificação Periódica de acordo com o Anexo VI de 2000/14/CE

A documentação técnica é mantida por **Hugues Menager** no seguinte endereço:-
Altrad (Group Holding), 125 Rue du Mas Carbonnier, 34000, Montpellier, França.

866/10001/1_P



EG Verklaring van overeenstemming



Wij, **Altrad Belle, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB** verklaren dat de verklaring van overeenstemming uitsluitend onder onze verantwoordelijkheid is opgesteld en bij de volgende product(en) behoort:



PRODUCTTYPE

MODEL.....

SERIENR

FABRICATIEDATUM

GEMETEN
GELUIDSVERMOGENNIVEAU /....
..... (GEGARANDEERD)

GEWICHT.....

**Zie pagina 3
voor deze informatie**

Ondertekend door:

Ray Neilson
Directeur

Namens Altrad Belle, Sheen, Derbyshire, VK

Plaats van de verklaring:-
Sheen, Nr. Buxton, Derbyshire, SK17 0EU, UK
Datum van de verklaring:-
April 2021

Voorwerp van de Verklaring:

Door benzine / dieselmotor aangedreven sleuvenstamper die wordt gebruikt voor het verdichten van samenhangend materiaal of vochtige inhoud in greppels.

Het voorwerp van de hierboven beschreven verklaring is conform met de relevante harmonisatiewetgeving van de Unie:

- **2006/42/EG** - Nieuwe Machinerichtlijn
- **2000/14/EG** - Geluid - materieel voor gebruik buitenshuis

De volgende geharmoniseerde normen en technische specificaties werden toegepast:

- **EN ISO 12100:2010** Veiligheid van machines
- **EN 500-4:2011** Mobiele wegebouwmachines. Veiligheid.
- **ISO 3744:2010** Akoestiek - Bepaling van geluidsvermogensniveaus en geluidsenergie niveaus van geluidsbronnen die geluidsdruk gebruiken

VINÇOTTE nv/sa (NB0026) voerde de interne productiecontrole uit, met een beoordeling van de Technische Documentatie en een periodieke controle, volgens Bijlage VI van 2000/14/EG

De technische documentatie wordt bijgehouden door **Hugues Menager** op het volgende adres:
Altrad (Group Holding), 125 rue du Mas Carbonnier, 34000, Montpellier, Frankrijk.



EG Verklaring van overeenstemming



Wij, **Altrad Belle, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB** verklaren dat de verklaring van overeenstemming uitsluitend onder onze verantwoordelijkheid is opgesteld en bij de volgende product(en) behoort:



PRODUCTTYPE

MODEL.....

SERIENR

FABRICATIEDATUM

GEMETEN
GELUIDSVERMOGENNIVEAU /....
..... (GEGARANDEERD)

GEWICHT.....

**Zie pagina 3
voor deze informatie**

Ondertekend door:

Ray Neilson
Directeur

Namens Altrad Belle, Sheen, Derbyshire, VK

Plaats van de verklaring:-
Sheen, Nr. Buxton, Derbyshire, SK17 0EU, UK
Datum van de verklaring:-
April 2021

Voorwerp van de Verklaring:

Door benzine / dieselmotor aangedreven sleuvenstamper die wordt gebruikt voor het verdichten van samenhangend materiaal of vochtige inhoud in greppels.

Het voorwerp van de hierboven beschreven verklaring is conform met de relevante harmonisatiewetgeving van de Unie:

- **2014/30/EG** - EMC Richtlijn

De volgende geharmoniseerde normen en technische specificaties werden toegepast:

- **EN ISO 12100:2010** Veiligheid van machines
- **EN 500-4:2011** Mobiele wegebouwmachines. Veiligheid.
- **ISO 3744:2010** Akoestiek - Bepaling van geluidsvermogensniveaus en geluidsenergie niveaus van geluidsbronnen die geluidsdruk gebruiken

VINÇOTTE nv/sa (NB0026) voerde de interne productiecontrole uit, met een beoordeling van de Technische Documentatie en een periodieke controle, volgens Bijlage VI van 2000/14/EG

De technische documentatie wordt bijgehouden door **Hugues Menager** op het volgende adres:
Altrad (Group Holding), 125 rue du Mas Carbonnier, 34000, Montpellier, Frankrijk.

I

Dichiarazione di conformità CE (DoC)

I

Noi, **Altrad Belle, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB** dichiariamo che la DoC è rilasciata sotto la nostra esclusiva responsabilità e appartiene ai seguenti prodotti:



TIPO PRODOTTO.....

MODELLO.....

N. DI SERIE

DATA DI PRODUZIONE.....

LIVELLO DI POTENZA SONORA
MISURATO.....

.....(GARANTITO)

PESO

**Vedere pagina 3
per queste informazioni**

Firmato da:

**Ray Neilson
Consigliere Delegato**

Per conto di Altrad Belle Sheen, Derbyshire, UK

**Luogo della dichiarazione:-
Sheen, Nr. Buxton, Derbyshire, SK17 0EU, UK**

**Data della dichiarazione:-
April 2021**

Oggetto della dichiarazione:

Costipatore da trincea con motore a benzina / diesel utilizzato per la compattazione di materiale coesivo o contenuto umido all'interno delle trincee.

L'oggetto della dichiarazione sopra descritta è conforme alla **legislazione di armonizzazione dell'Unione** pertinente:

- **2006/42/CE** - Nuova direttiva macchine

- **2000/14/CE** - rumore - attrezzature destinate a funzionare all'aperto

Sono state applicate le seguenti norme armonizzate e specifiche tecniche:

- **EN ISO 12100:2010**

Sicurezza dei macchinari

- **EN 500-4:2011**

Macchine mobili per costruzioni stradali. Sicurezza.

- **ISO 3744:2010**

Acustica - Determinazione dei livelli di potenza sonora e dell'energia sonora Livelli di sorgenti di rumore che utilizzano la pressione sonora

VINÇOTTE nv/sa (NB0026) ha effettuato il Controllo Interno di Produzione con Valutazione della Documentazione Tecnica e Controllo Periodico come da Allegato VI della 2000/14/CE

I file tecnici sono conservati da **Hugues Menager** al seguente indirizzo:-

Altrad (Group Holding), 125 Rue du Mas Carbonnier, 34000, Montpellier, Francia.

I

Dichiarazione di conformità UE (DoC)

I

Noi, **Altrad Belle, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB** dichiariamo che la DoC è rilasciata sotto la nostra esclusiva responsabilità e appartiene ai seguenti prodotti:



TIPO PRODOTTO.....

MODELLO.....

N. DI SERIE

DATA DI PRODUZIONE.....

LIVELLO DI POTENZA SONORA
MISURATO.....

.....(GARANTITO)

PESO

**Vedere pagina 3
per queste informazioni**

Firmato da:

**Ray Neilson
Consigliere Delegato**

Per conto di Altrad Belle Sheen, Derbyshire, UK

**Luogo della dichiarazione:-
Sheen, Nr. Buxton, Derbyshire, SK17 0EU, UK**

**Data della dichiarazione:-
April 2021**

Oggetto della dichiarazione:

Costipatore da trincea con motore a benzina / diesel utilizzato per la compattazione di materiale coesivo o contenuto umido all'interno delle trincee.

L'oggetto della dichiarazione sopra descritta è conforme alla **legislazione di armonizzazione dell'Unione** pertinente:

- **2014/30/UE** - Direttiva EMC

Sono state applicate le seguenti norme armonizzate e specifiche tecniche:

- **EN ISO 12100:2010**

Sicurezza dei macchinari

- **EN 500-4:2011**

Macchine mobili per costruzioni stradali. Sicurezza.

- **ISO 3744:2010**

Acustica - Determinazione dei livelli di potenza sonora e dell'energia sonora Livelli di sorgenti di rumore che utilizzano la pressione sonora

VINÇOTTE nv/sa (NB0026) ha effettuato il Controllo Interno di Produzione con Valutazione della Documentazione Tecnica e Controllo Periodico come da Allegato VI della 2000/14/CE

I file tecnici sono conservati da **Hugues Menager** al seguente indirizzo:-

Altrad (Group Holding), 125 Rue du Mas Carbonnier, 34000, Montpellier, Francia.

866/10001/1_I

Vi, **Altrad Belle, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB** försäkrar att detta DoC är utfärdat på vårt eget ansvar för följande produkt(er):



PRODUKTTYP.....

MODELL

SERIENR

TILLVERKNINGSDATUM.....

LJUDEFFEKTSNIVÅ

MÅTT /.....

..... (GARANTERAD)

VIKT.....

Se sidan 3
för denna information

Undertecknat av:

Ray Neilson

Verkställande direktör

På uppdrag av Altrad Belle, Sheen, Derbyshire, UK

Ort för försäkran:-

Sheen, Nr. Buxton, Derbyshire, SK17 0EU, UK

Datum för försäkran:-

April 2021

Föremål för försäkran:

Bensindriven grävstam som används för komprimering av sammanhängande material eller fuktigt innehåll i diken.

Föremålet för försäkran enligt ovan överensstämmer med **unionens relevanta harmoniseringslagstiftning:**

- **2006/42/EG** - Nya maskindirektivet

- **2000/14/EG** - Bullerdirektiv för utomhusutrustning

Följande harmoniserande standarder och tekniska specifikationer har tillämpats:

- **EN ISO 12100:2010**

Maskinsäkerhet

- **EN 500-4:2011**

Mobila vägbyggnadsmaskiner. Säkerhet.

- **ISO 3744:2010**

Akustik - Bestämning av ljudeffektnivåer och ljudenergi ljudnivåer med ljudtryck

VINÇOTTE nv/sa (NB0026) har genomfört intern tillverkningskontroll med utvärdering av teknisk dokumentation och periodisk kontroll enligt Bilaga VI till 2000/14/EG

Tekniska filer innehas av Hugues Menager med följande adress:-

Altrad (Group Holding), 125 Rue du Mas Carbonnier, 34000, Montpellier, Frankrike.

Vi, **Altrad Belle, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, GB** försäkrar att detta DoC är utfärdat på vårt eget ansvar för följande produkt(er):



PRODUKTTYP.....

MODELL

SERIENR

TILLVERKNINGSDATUM.....

LJUDEFFEKTSNIVÅ

MÅTT /.....

..... (GARANTERAD)

VIKT.....

Se sidan 3
för denna information

Undertecknat av:

Ray Neilson

Verkställande direktör

På uppdrag av Altrad Belle, Sheen, Derbyshire, UK

Ort för försäkran:-

Sheen, Nr. Buxton, Derbyshire, SK17 0EU, UK

Datum för försäkran:-

April 2021

Föremål för försäkran:

Bensindriven grävstam som används för komprimering av sammanhängande material eller fuktigt innehåll i diken.

Föremålet för försäkran enligt ovan överensstämmer med **unionens relevanta harmoniseringslagstiftning:**

- **2014/30/EU** - EMC-direktivet

Följande harmoniserande standarder och tekniska specifikationer har tillämpats:

- **EN ISO 12100:2010**

Maskinsäkerhet

- **EN 500-4:2011**

Mobila vägbyggnadsmaskiner. Säkerhet.

- **ISO 3744:2010**

Akustik - Bestämning av ljudeffektnivåer och ljudenergi ljudnivåer med ljudtryck

VINÇOTTE nv/sa (NB0026) har genomfört intern tillverkningskontroll med utvärdering av teknisk dokumentation och periodisk kontroll enligt Bilaga VI till 2000/14/EG

Tekniska filer innehas av Hugues Menager med följande adress:-

Altrad (Group Holding), 125 Rue du Mas Carbonnier, 34000, Montpellier, Frankrike.

My, **Altrad Belle, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, Wielka Brytania**, oświadczamy, że deklaracja zgodności została wydana na naszą wyłączną odpowiedzialność i należy do następującej grupy produktów:



RODZAJ PRODUKTU

MODEL.....

Nr SERII

DATA PRODUKCJI

POZIOM MOCY DŹWIĘKU
MIERZONY /

.....(GWARANTOWANY)

MASA



Podpisał:

Ray Neilson

Dyrektor Zarządzający

W imieniu Altrad Belle Sheen, Derbyshire, UK

Miejsce deklaracji:

Sheen, Nr. Buxton, Derbyshire, SK17 0EU, UK

Data deklaracji:

Kwiecień 2021

Przedmiot, którego deklaracja dotyczy::

Ubijak do wykopów napędzany silnikiem benzynowym / wysokoprężnym do zagęszczania spoistego materiału lub zawartość wilgoci w wykopach.

Opisany powyżej przedmiot objęty deklaracją jest zgodny z unijnym prawodawstwem harmonizacyjnym::

- **2006/42/WE** - Nową dyrektywą maszynową - **2000/14/WE** - Emisja hałasu do środowiska przez urządzenia używane na zewnątrz pomieszczeń

Zastosowano następujące scharmonizowane normy i specyfikacje techniczne:

- **EN ISO 12100:2010** Bezpieczeństwo maszyn
- **EN 500-4:2011** Mobilne maszyny drogowe. Bezpieczeństwo.
- **ISO 3744:2010** Akustyka - Wyznaczanie poziomów mocy akustycznej i energii akustycznej poziomych źródeł hałasu wykorzystujących ciśnienie akustyczne

VINÇOTTE nv / sa (NB0026) przeprowadził wewnętrzną kontrolę produkcji wraz z analizą dokumentacji technicznej i okresowymi kontrolami zgodnie z załącznikiem VI 2000/14 / WE

Pliki techniczne są przechowywane przez **Hugues Menager** pod następującym adresem: - **Altrad (Group Holding)**, 125 Rue du Mas Carbonnier, 34000, Montpellier, Francja.

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- **2014/30/UE** - Dyrektywą kompatybilności elektromagnetycznej EMC

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Declarație de conformitate CE (DOC)



Subsemnații, **Altrad Belle, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, Marea Britanie**, declarăm prin prezentă că declarația de conformitate este emisă pe propria noastră răspundere și se referă la următoarele produse:



TIPUL PRODUSULUI

MODEL.....

Nr. SERIE.....

DATA FABRICAȚIEI.....

NIVEL DE PUTERE ACUSTICĂ
MĂSURAT /
(GARANTAT)

GREUTATE

vezi pagina 3 pentru
aceste informații

Semnată de:

Ray Neilson
Director general

În numele Altrad Belle Sheen, Derbyshire, Regatul Unit

Locul întocmirii declarației:-
Sheen, Nr. Buxton, Derbyshire, SK17 0EU, UK

Data declarației:-
Aprilie 2021

Obiectul declarației:

Schimbător de tranșee alimentat cu motor pe benzină / diesel utilizat pentru compactarea materialului coeziv sau conținut umed în tranșee.

Obiectul declarației descrise mai sus este în conformitate cu legislația de armonizare aplicabilă a Uniunii Europene:

- **2006/42/CE** - Noua directivă privind echipamentele tehnice - **2000/14/CE**- Zgomotul emis de echipamentele utilizate în exterior

Următoarele standarde armonizate și specificații tehnice au fost aplicate:

- **EN ISO 12100:2010** Siguranța mașinilor
- **EN 500-4:2011** Mașini mobile pentru construcția drumurilor. Siguranță
- **ISO 3744:2010** Acustică - Determinarea nivelurilor de putere sonoră și a energiei sonore nivelurile surselor de zgomot folosind presiunea acustică

VINÇOTTE nv/sa (NB0026) a efectuat controlul intern al producției cu evaluarea documentației tehnice și verificarea periodică, în conformitate cu Anexa VI la 2000/14/CE

Dosarele tehnice sunt păstrate de **Hugues Menager** la următoarea adresă:-
Altrad (Group Holding), 125 Rue du Mas Carbonnier, 34000, Montpellier, Franța.



Declarație de conformitate UE (DOC)



Subsemnații, **Altrad Belle, Sheen, Nr. Buxton, Derbyshire, SK17 0EU, Marea Britanie**, declarăm prin prezentă că declarația de conformitate este emisă pe propria noastră răspundere și se referă la următoarele produse:



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MODEL.....

Nr. SERIE.....

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NIVEL DE PUTERE ACUSTICĂ
MĂSURAT /
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vezi pagina 3 pentru
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Director general

În numele Altrad Belle Sheen, Derbyshire, Regatul Unit

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- **2014/30/UE** - Directiva privind compatibilitatea electromagnetică

Următoarele standarde armonizate și specificații tehnice au fost aplicate:

- **EN ISO 12100:2010** Siguranța mașinilor
- **EN 500-4:2011** Mașini mobile pentru construcția drumurilor. Siguranță
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Altrad (Group Holding), 125 Rue du Mas Carbonnier, 34000, Montpellier, Franța.

866/10001/1_RO



How To Use This Manual

This manual has been written to help you operate and service the RTX Rammer safely. This manual is intended for dealers and operators of the RTX Rammer.

Foreword

The '**Machine Description**' section helps you to familiarise yourself with the machine's layout and controls.

The '**Environment**' section gives instructions on how to handle the recycling of discarded apparatus in an environmentally friendly way.

The '**General Safety**' and '**Health and Safety**' sections explain how to use the machine to ensure your safety and the safety of the general public.

The '**Start and Stop Procedure**' helps you with starting and stopping the machine.


The '**Trouble Shooting Guide**' helps you if you have a problem with your machine.


The '**Service & Maintenance**' section is to help you with the general maintenance and servicing of your machine.

The '**Warranty**' section details the nature of the warranty cover and the claims procedure.


Directives with regard to the notations.

Text in this manual to which special attention must be paid are shown in the following way:

 **CAUTION** *The product can be at risk. The machine or yourself can be damaged or injured if procedures are not carried out in the correct way.*

 **WARNING** *The life of the operator can be at risk.*

WARNING

 **WARNING** *Before you operate or carry out any maintenance on this machine **YOU MUST READ and STUDY** this manual.*

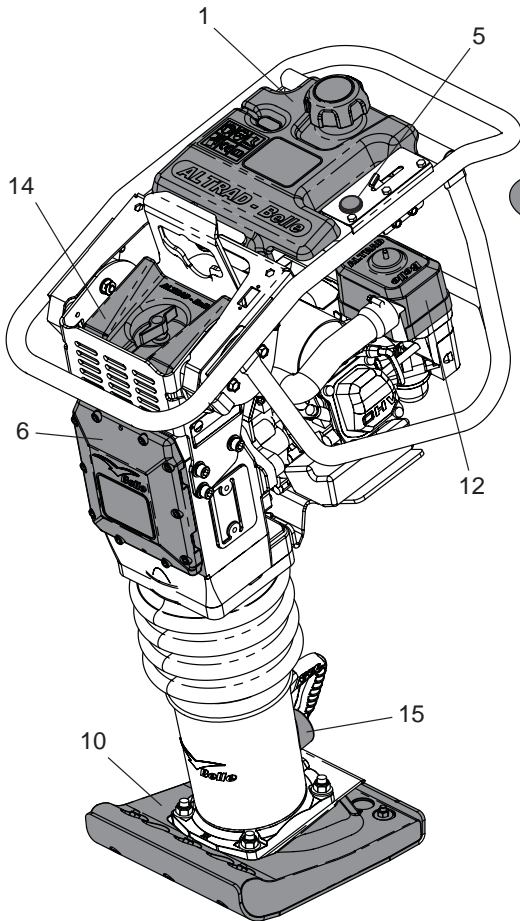
KNOW how to safely use the unit's controls and what you must do for safe maintenance. (NB Be sure that you know how to switch the machine off before you switch on, in case you get into difficulty.)

ALWAYS wear or use the proper safety items required for your personal protection. If you have **ANY QUESTIONS** about the safe use or maintenance of this unit, ASK YOUR SUPERVISOR OR CONTACT: **Altrad Belle (UK): +44 (0) 1298 84606**

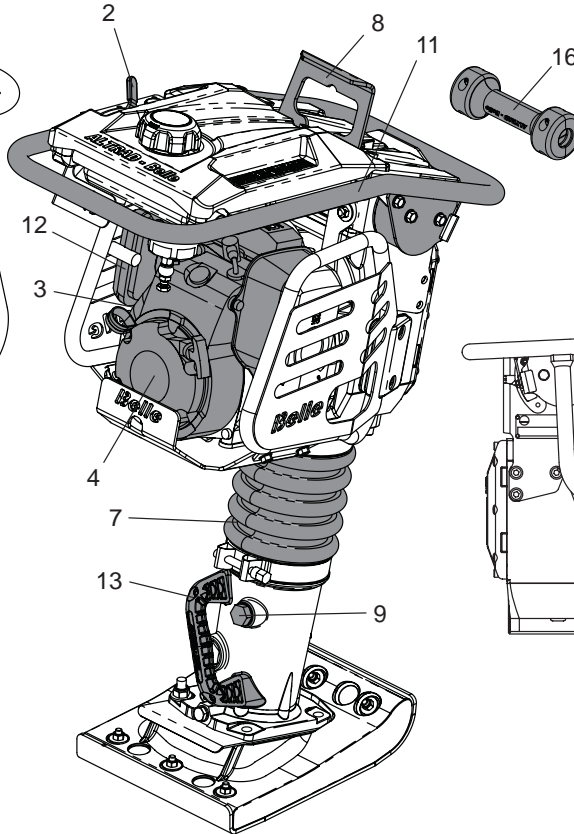
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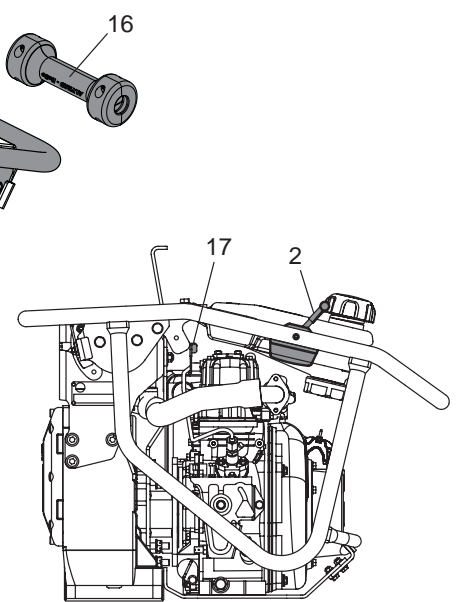
Altrad Belle reserves the right to change machine specification without prior notice or obligation.



RTX 50



RTX 60 / 68 / 70



RTX 80D

- | | | |
|-------------------------|-------------------------|----------------------------------|
| 1. Fuel Tank. | 7. Bellows | 13. Lifting Handle |
| 2. Throttle Lever. | 8. Lifting Eye. | 14. Secondary Air Cleaner (Dual) |
| 3. Fuel ON / OFF Lever. | 9. Leg Oil Plug. | 15. Leg Oil Sight Glass |
| 4. Engine. | 10. Ramming Shoe. | 16. Transport Roller (Optional) |
| 5. Stop Button. | 11. Operating Handle. | 17. Decompression Lever |
| 6. Crankcase. | 12. Primary Air Cleaner | |

Environment

Safe Disposal

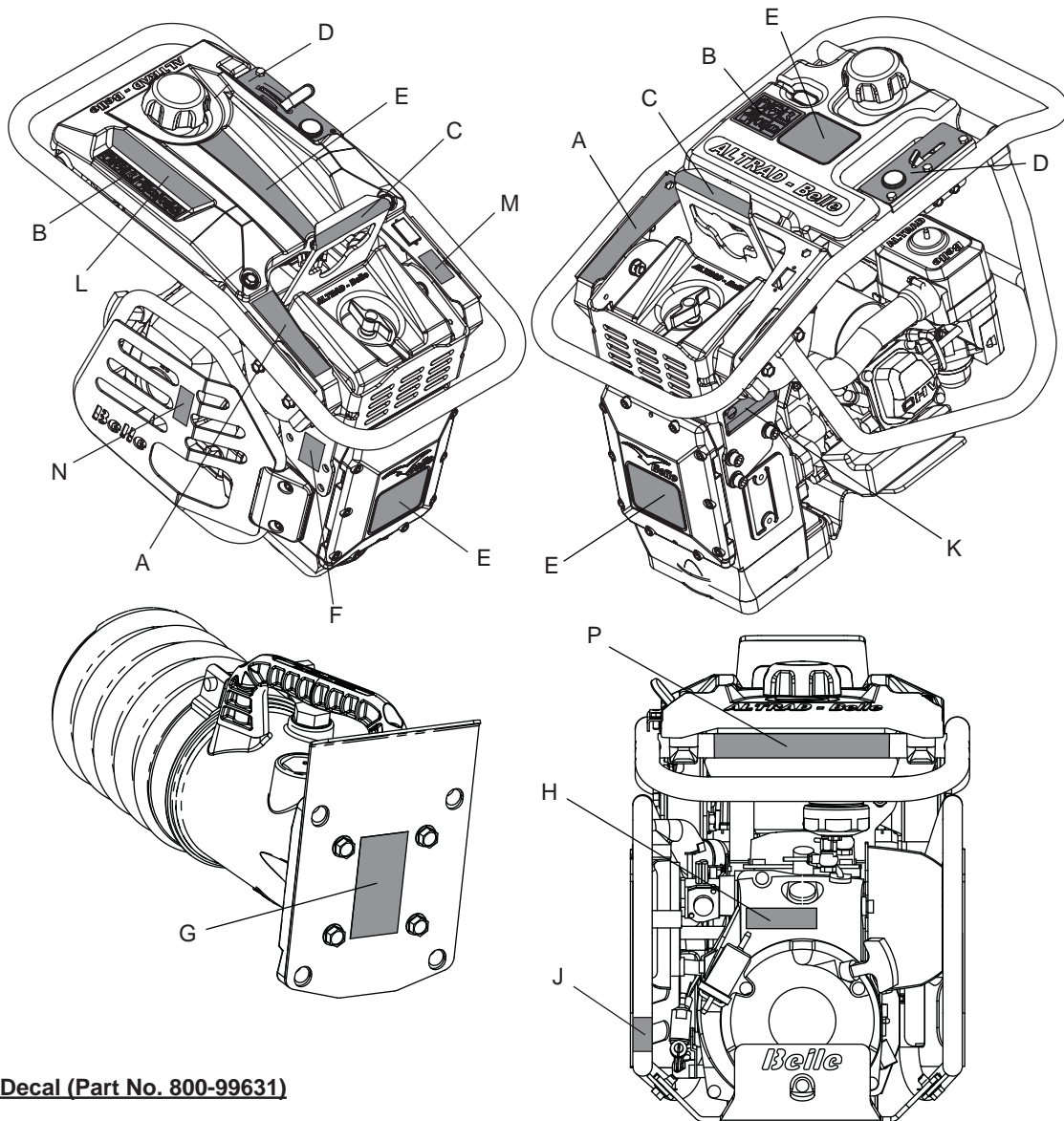


Instructions for the protection of the environment. The machine contains valuable materials. Take the discarded apparatus and accessories to the relevant recycling facilities.

Component	Material
Handle	Steel
Ramming Shoe	Plywood and Steel or Nylon and Steel
Rubber Isolators	Rubber and Steel
Bellows	Urethane
Crankcase	Aluminium
Crankcase Cover	Aluminium
Gears	Steel
Engine	Steel and Aluminium
Transport Roller	HDPE
Miscellaneous Plastic Parts	Polypropylene
Various Parts	Steel and Aluminium

Intended Use

This machine is intended for base preparation, driveways, foundations, kerbs, and footings. It can also be used for repair work on streets, highways and/or sidewalks/pavements.



A - Transport Decal (Part No. 800-99631)

On-Site Transport

The RTX Rammer may be moved vertically by 2 people, laid on the Transport Roller (if fitted) and pulled using the Lifting Handle or by using a Sling or Hoist on the Lifting Eye. **NOTE:-** A sling or hoist must not be used on the Lifting Handle.

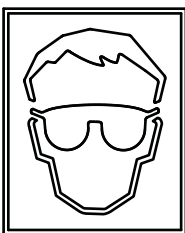
Road Transport

The RTX Rammer must be transported as far as possible standing up, strapped to the body side board of the truck, or strapped inside a lorry (panel truck). If not possible, it may be laid down only on the Transport Rollers or front bar of the Operating Handle, in stable position and strongly strapped down to guard against rolling or sliding.

B - Safety Symbols



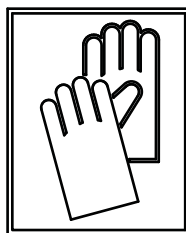
Wear Ear Protection



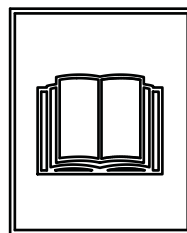
Wear Eye Protection



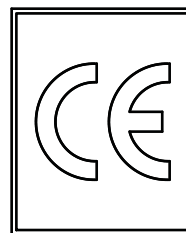
Wear Protective Footwear



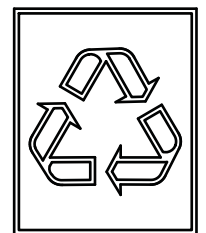
Wear Protective Gloves



Please Read Operators Manual



CE Compliant



Please Recycle

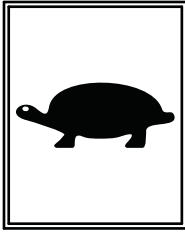
C - Lifting Eye Decal (Part No. 800-99630)

Lifting Eye for use with a Sling or Mechanical Hoist.

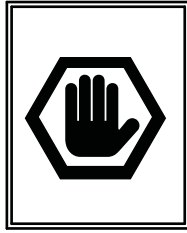
D - Throttle Decal (Part No. 800-99628)



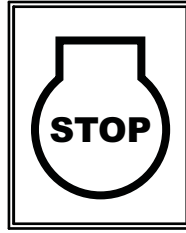
**Max. RPM
Position**



**Idle
Position**



**Emergency
Stop
Position**



**Engine Stop
Button
(Petrol Only)**

E - Branding Decal

Branding Decal to identify the Model of RTX Rammer.

F - Noise Decal

Guaranteed Sound Power Level of the machine in dB(A).

G - Spring Safety Decal (Part No. 800-99619)

DO NOT loosen or remove any of the Screws from the underside of the Rammer Leg. The Rammer Leg contains a highly compressed Spring which may cause serious injury if released by loosening or removing any of the Screws. Contact dealer for more information.

H - Engine Start Decal (Part No. 800-99625)

To Start the Engine, push the Carburettor Primer Bulb 4 times and then pull the Recoil Handle until the Engine fires.

J - Fuel Valve Decal (800-99634-0)

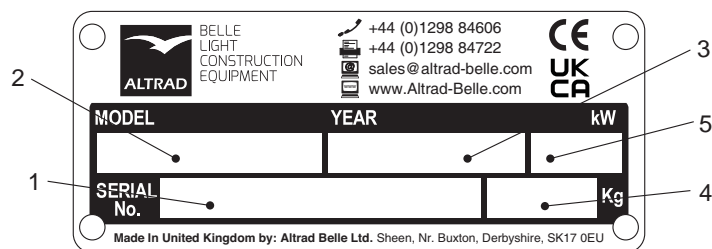
Fuel Valve 'ON' and 'OFF' positions.

- To **START** the machine, the Fuel Valve must be in the 'ON' position.
- When the machine is not in use or being transported, the Fuel Valve must be in the 'OFF' position.

K - Serial Plate (Part No. 800-99844)

The Serial Plate contains the machine Serial Number and all other information that you may require when contacting Altrad Belle regarding your machine.

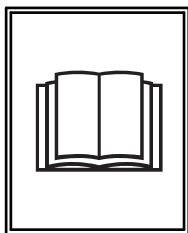
1. Serial Number.
2. RTX Rammer Model.
3. Year of Manufacture.
4. Machine Weight.
5. Machine Power.



L - Safety Decal (Part No. 800-99831)



WARNING!



**Please Read
Operators
Manual**



**Wear
Protective
Footwear**



**Wear Ear
Protection**



**Wear Eye
Protection**

M - Exhaust Fumes Warning Decal (Part No. 800-99520)

Engines emit carbon monoxide; operate only in well-ventilated areas.

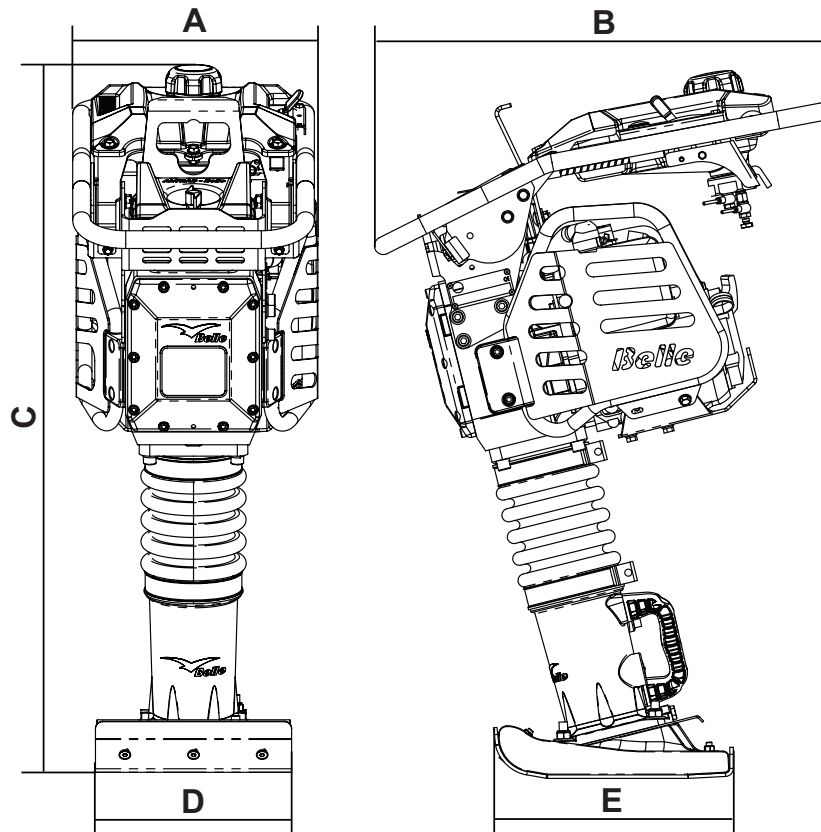
N - Hot Surface Decal (Part No. 800-99520)

CAUTION! Beware of hot surfaces around the Engine and Exhaust area.

P - Diesel Only Decal (Part No. 800-99524)

CAUTION! Only Diesel must be used in this machine (Diesel models only).

Technical Data



Model	RTX 50	RTX 50R	RTX 60C	RTX 60	RTX 60R	RTX 68	RTX 68R	RTX 70	RTX 70R	RTX 80D
A - Width (mm)	345	345	345	345	345	345	345	345	345	425
B - Length (mm)	670	670	705	705	705	705	705	714	714	700
C - Height (mm)	975	975	975	975	975	1040	1040	1040	1040	1081
D - Shoe Width*** (mm)	230	230	165	165	165	280	280	280	280	280
E - Shoe Length*** (mm)	335	335	335	335	335	335	335	335	335	335
Engine Models	Honda GX100	Honda GXR120	Honda GX100	Honda GX100	Honda GXR120	Honda GX100	Honda GXR120	Honda GX100	Honda GXR120	Yanmar L48
Engine Type	4 Stroke, OHC, Air Cooled									Single Cylinder
Maximum Output (kW)	*2.3	*2.7	*2.3	*2.3	*2.7	*2.3	*2.7	*2.3	*2.7	3.4
Fuel Type	Unleaded									Diesel
Fuel Tank Capacity (Ltrs)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Carburettor Type	Diaphragm									Injection
Starting Mechanism	Recoil									
Operational Weight (kg)	57.7	57.7	60	60	60	70	70	72	72	86
Vibration Frequency (Hz)	11	11	11	11	11	11	11	11	11	10
Impact Force (kN)	12.5	12.5	13.6	13.6	13.6	16	16	17	18	20.5
Blows Per Minute (bpm)	450 - 660					450 - 660		450 - 700		450 - 600
Stroke (mm)	52	52	52	52	52	52	52	52	52	52
Sound Power Level (dB LWA)	108	104	108	108	104	108	108	108	108	108
3 Axis Vibration** (m/s ²)	9.82	9.82	7.25	7.25	7.25	7.45	7.45	7.49	7.49	11.8

* The power rating of the petrol engines indicated in this document is the net power tested on a production petrol engine for the petrol engine model and measured in accordance with SAE J1349 at a specified rpm. Mass production petrol engines may vary from this value. Actual power output for the petrol engine installed in the final machine will vary depending on numerous factors, including the operating speed of the petrol engine in application, environmental conditions, maintenance and other variables. Honda reserves the right to modify its specifications at any time and without notice.

** Minimum level to EN500 Part 4.

*** Other Shoe options are available. Sizes are:- 165mm (W) x 335mm (L), 230mm x 335mm & 280mm x 335mm.



General Safety

For your own personal protection and for the safety of those around you, please read and ensure you fully understand the following safety information. It is the responsibility of the operator to ensure that he/she fully understands how to operate this equipment safely. If you are unsure about the safe and correct use of your **RTX**, consult your supervisor or Altrad Belle of companies.



CAUTION

Improper maintenance or use can be hazardous. Read and Understand this section before you perform any maintenance, service or repairs.

- This machine must only be used for its intended purpose. This machine must be operated only by well trained personnel.
- The owner of this machine must observe, and train the user of the machine to observe, the effective Labour Protection Regulation in the country of application.
- This equipment is heavy and must not be lifted single-handedly, either **GET HELP** or use suitable lifting equipment.
- This machine must be operated on ground where stability is guaranteed.
- Cordon off the work area and keep members of the public and unauthorised personnel at a safe distance.
- Personal Protective Equipment (PPE) must be worn by the operator whenever this equipment is being used (See Health & Safety Section).
- Make sure you know how to safely switch this machine **OFF** before you switch it **ON** in case you get into difficulty.
- Always switch **OFF** the engine and **CLOSE** the fuel tap before transporting, moving it around the site or servicing it.
- During use the engine becomes very hot, allow the engine to cool before touching it.
- Never leave the engine running and unattended.
- Never remove or tamper with any guards fitted, they are there for your protection. Always check guards for condition and security, if any are damaged or missing, **DO NOT USE THE RTX** until the guard has been replaced or repaired.
- Do not operate the **RTX** when you are ill, feeling tired, or when under the influence of alcohol or drugs.
- This machine is designed to eliminate the possible risks arising from its use. However, risks **DO** reside, and these residual risks are not clearly recognisable and may cause personal injury, property damage and possible death. If such unpredictable and unrecognisable risks become apparent, the machine must be stopped immediately, and the operator or his supervisor must take the appropriate measures to eliminate such risks. It is sometimes necessary for the manufacturer to be informed of such an event for future counter measuring.



WARNING

Fuel is flammable. It may cause injury and property damage. Shut down the engine, extinguish all open flames and do not smoke while filling the fuel tank. Always wipe up any spilled fuel.

- Before refuelling, switch off the engine and allow it to cool.
- When refuelling, **DO NOT** smoke or allow naked flames in the area.
- When refuelling, use a proper funnel, and avoid spilling fuel over the engine.
- Spilt fuel must be made safe immediately, using sand. If fuel is spilt on your clothes, change them.
- Store fuel in an approved, purpose made container away from heat and ignition sources.



Health & Safety

Vibration

Some vibration from the machines operation is transmitted through the handle to the operator's hands. The Altrad Belle **RTX** range has been specifically designed to reduce hand/arm vibration levels. Refer to specifications & technical data for vibration levels and usage times (recommended maximum daily exposure time). **DO NOT** exceed the maximum usage times.

PPE (Personal Protective Equipment)

Personal injury or property damage may be caused by knocks, crushing, slipping, tripping, falling, or by flying chips due mainly to the improper or careless handling of the machine, or working in a confined area.

Suitable PPE must be worn when using this equipment i.e. Safety Goggles, Gloves, Ear Defenders, Dust Mask and Steel Toe capped footwear.

Wear clothing suitable for the work you are doing. Tie back long hair and remove any jewellery which may catch in the equipment's moving parts.

Dust

The compaction process can produce dust, which may be hazardous to your health. Always wear a mask that is suited to the type of dust being produced.

Fuel

Oil and fuel used in this machine may cause the following hazards.

- Poisoning if the fuel or oil vapour is inhaled.
- Allergies if the fuel or oil spills on the skin.
- Fire and explosion if the fuel and oil is handled near smoking or open fires.
- Do not ingest fuel or inhale fuel vapours and avoid contact with your skin. Wash fuel splashes immediately. If you get fuel in your eyes, irrigate with copious amounts of water and seek medical attention as soon as possible.

Exhaust Fumes



WARNING

The exhaust fumes produced by this equipment are highly toxic and can kill!

Do not operate your **RTX** Rammer indoors or in a confined space, make sure the work area is adequately ventilated.

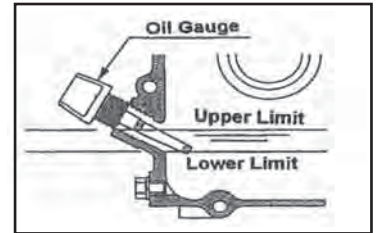
Pre-Start Checks



Pre start-up inspection

The following Pre-start-up inspection must be performed before the start of each work session or after every four hours of use, whichever is first. Please refer to the service section for detailed guidance. If any fault is discovered, the **RTX** must not be used until the fault is rectified.

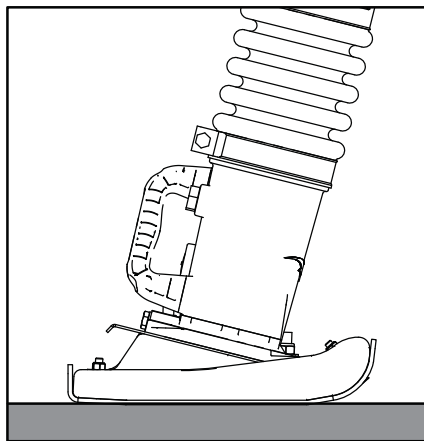
1. Thoroughly inspect the **RTX** for signs of damage.
2. Check Hoses, filler openings, Drain Plugs and any other areas for signs of leakage. Fix any leaks before operating.
3. Check the Engine Oil level and top up as necessary.
- 3.1 To check the Engine Oil level, place the machine on a flat surface ensuring the Engine is level. To achieve this place the Rammer in the position shown below.
- 3.2 Remove the Oil Gauge, and observe that the Oil is up to the rim of the filler port. Use Engine Oil with the correct viscosity. (SAE 10W-30 Mineral Oil recommended)
4. Check the Engine Fuel level and top up as necessary. Use clean Fuel. Use of contaminated Fuel may damage the Fuel system.



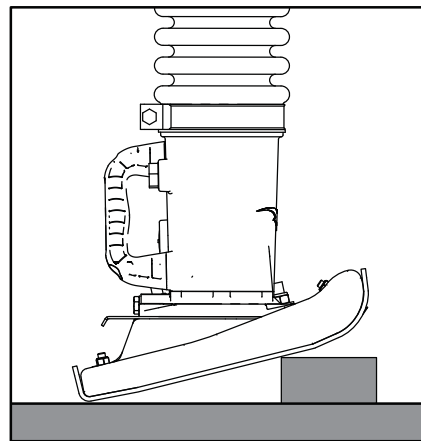
CAUTION

NOTICE: This machine uses Unleaded Gasoline/Petrol.
NEVER fill the fuel tank with a mixture of Oil and Gasoline/Petrol.

5. Check that the Air Filter is clean. Excessive dust/dirt accumulation within the filter element will cause erratic Engine operation. Clean the Air Filter element when it is contaminated (See Maintenance section).
6. Check the Rammer Leg Oil level and top up as necessary (Rammer must have been idle for at least 10 minutes before checking)
- 6.1 To check the Rammer Leg Oil level, place the machine on a flat surface ensuring the Foot is flat to the ground, as shown below.
- 6.2 The minimum level is shown by the Red Dot on the Oil Sight Glass within the Rammer Leg. (SAE 10W-30 Mineral Oil recommended)



**Rammer Leg Oil
Check Position**



**Engine Oil
Check Position**

Long Term Storage



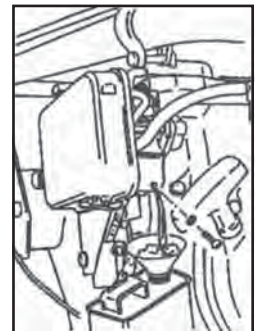
For long term storage, empty the fuel in the carburettor by running the engine with the fuel tap being closed (**Petrol Only**)

The chemical composition of fuel will deteriorate after prolonged storage. When the machine needs to be stored for a long time, remove all fuel from the fuel tank. Also remove the fuel from the float chamber of the carburettor by draining the fuel out from the drain plug (see diagram) (**Petrol Only**)

Clean up oil and dust accumulation on rubber parts.

Clean the ramming shoe and apply a light coating of oil to prevent rust formation.

Cover the machine and store in a dry place.





CAUTION *Improper operation can be hazardous. Read and understand this section before you start the machine.*



WARNING *To stop the machine in an emergency, move the Throttle Lever to the Emergency Stop position. This will immediately stop the machine from vibrating.*

Honda GX100, GX120 & GXR120

1. Open the fuel cock/tap.
2. Set the speed control lever to the **STARTING** position (Halfway between **HIGH** and **LOW** position).
3. Move the choke lever to the **CLOSED** position.
4. Push the Carburettor Primer Bulb 4 times (or at least 10 times when the machine is new or after machine has had the fuel drain).
5. Taking a firm hold of the Operating handle with one hand, grasp the recoil starter handle with the other, Pull the recoil starter handle until engine resistance is felt, then allow the starter to return.
6. Taking care not to pull the starter rope fully out, pull the starter handle briskly.
7. Repeat until the engine fires.
8. Once the engine fires gradually set the choke lever to the **OPEN** position.
9. Allow the engine run at idle for a few minutes to warm up.
10. After the engine has warmed up, the machine is ready for operation.
11. Move the throttle lever to the high speed position quickly to prevent damage from occurring to the clutch. The 'Full Throttle' position of this machine has been preset at the factory to achieve optimum machine performance.
12. With the engine running in the full throttle position, the machine will move forward and compact loose 'lifts'
13. In preparation for stopping the engine, move the throttle lever to the **LOW** position.
14. Allow the engine to idle for 1-3 minutes.
15. Push and hold the **RED** Engine Stop button.
16. Close the fuel cock/tap.
17. Pull the recoil starter slowly until you feel resistance. Then release your hand from the starter knob to set it back to its original position. This will prevent any air or humidity from entering into the cylinder.

Yanmar L48

1. Slide the Engine Speed Control Lever to the **RUN** position.
2. Taking a firm hold of the Operating handle with one hand, grasp the recoil starter handle with the other, Pull the recoil starter handle until engine resistance is felt, then allow the starter to return.
3. Push the decompression lever down and release it. The decompression lever will automatically return to the original position when the engine starts.
4. Taking care not to pull the starter rope fully out, pull the starter handle briskly.
5. Repeat until the engine fires.



CAUTION *In cold weather if you have trouble starting the engine, remove the Oil Plug and add 2cc of engine oil to the oil port and reinsert the oil plug.*

6. Allow the engine run at idle for a few minutes to warm up.
7. After the engine has warmed up, the machine is ready for operation.
8. Move the throttle lever to the high speed position quickly to prevent damage from occurring to the clutch. The 'Full Throttle' position of this machine has been preset at the factory to achieve optimum machine performance.
9. With the engine running in the full throttle position, the machine will move forward and compact loose 'lifts'
10. In preparation for stopping the engine, move the throttle lever to the **LOW** position.
11. Allow the engine to idle for 1-3 minutes.
12. To stop the engine, set the engine speed lever to the slide the Engine Speed Control Lever to the **STOP** position

Start & Stop Procedure



NOTICE: The optimum maximum engine revolution has been set at the factory as follows:

Model	Engine	Maximum RPM	
		Optimum	Upper Limit
RTX 50	Honda GX100	3,800 +/- 50	3,850
RTX 50R	Honda GXR120	3,800 +/- 50	3,850
RTX 60	Honda GX100	3,800 +/- 50	3,850
RTX 60R	Honda GXR120	3,800 +/- 50	3,850
RTX 68	Honda GX100	3,800 +/- 50	3,850
RTX 68R	Honda GXR120	3,800 +/- 50	3,850
RTX 70	Honda GX100	4,050 +/- 50	4,100
RTX 70R	Honda GXR120	4,050 +/- 50	4,100
RTX 80D	Yanmar L48	3,400 +/- 50	3,450



CAUTION

DO NOT alter this setting since irregular vibration or damage to the gear transmission mechanism can result, and both engine and machine warranties will be automatically voided.

Operation



Lifting

Where it is necessary to use lifting equipment to position the **RTX**, check and confirm that the rubber mounts on the operation handle are not damaged or cracked. If they are damaged or cracked, replace the rubber mounts before attempting to lift the machine. Also make sure that the lifting equipment has a WLL (Working Load Limit) suitable for the **RTX's** weight (See specification chart or the machine Serial Plate). Attach suitable chains or slings **ONLY** to the lifting point on top of the **RTX's** operating handle.

- **NEVER** leave the engine running whilst transporting or moving the **RTX's**, even if it is only a short distance.

Once the checks listed in the 'Pre-Start' section have been carried out, you may start the engine.

The Altrad Belle **RTX** range of tampers are fitted with a centrifugal clutch, this allows the engine to run at idle without driving the crank mechanism. As the engine speed is increased the clutch will engage and the engine will drive the crank mechanism.

- To avoid damage to the centrifugal clutch, move the throttle lever quickly from the L to H position.



CAUTION

For correct operation, the engine speed should be set to maximum.

- Avoid operating the machine on a fully compacted, hard, or non-yielding surface. Otherwise, the gear transmission mechanism will be damaged, and the life of the machine will be greatly reduced.
- When working in a narrow trench, if the ramming shoe should get caught between the walls of the trench, the rammer may miss-strike and can be severely damaged. The ramming shoe may especially be damaged severely.
- Ensure that the rammer is steered only by using the handle grip. It should only be pushed. The rammer must not be pressed into the materials being compacted. Excessive pressure on the operating handle will lead to unsatisfactory compaction due to the fact that the jumping action is reduced.

Transportation.

When transporting or storing the machine, place the machine in an upright position if at all possible. Should the machine be required to be laid down, **NEVER** attempt to transport the machine in a manner that the air cleaner faces downwards. Otherwise, the oil in the cylinder may get into the combustion chamber or in the air cleaner, which may result in starting difficulties. Laying the machine forwards (The crankcase cover of the rammer facing downwards) may not cause any spill of the engine oil into the cylinder or air cleaner of the engine. However, if the engine is still hot, spilt fuel on the engine may cause fire. Lay the machine after the machine is completely cooled.

The machine fitted with the transporting roller on the operating handle may be easily loaded and unloaded from a vehicle. Tilt the machine forwards until the transporting roller touches the floor of the vehicle. Lift the lower part of the machine using the grab handle provided at the ramming shoe, and push forward to load the machine. During transportation, the machine should be tied firmly, and placed in an upright position if at all possible. To unload the machine, tilt the machine forward, until the roller touches the floor. Slightly lift the lower part of the machine, and pull the machine out.

Operation at High Altitude

For continuous High-Altitude operation above 1,000m (3,000FT), it will be necessary to change the engine main jet to a type that will allow for correct fueling of the engine. Otherwise, the unit will suffer from a lack of engine power and not work correctly (**Petrol Only**)

Problem	Cause	Remedy
Engine will not start	No fuel	Fill Fuel Tank
	Fuel Tap has been closed	Open fuel tap.
	Engine not primed. (GX100 Only)	Push the Carburettor Primer Bulb 4 times and pull the Recoil Handle until the Engine fires
	Engine not primed. (Diesel Only)	See the Service & Maintenance section of this Manual.
	Spark Plug contaminated or damaged. (Petrol Only)	Replace spark plug.
	Faulty Carburettor. (Petrol Only)	Service the Carburettor
Engine stops suddenly, or stops when the engine rpm is increased.	See Above	See Above
	Main jet of the Carburettor clogged with dirt. (GX120 Only)	Take out the main jet of the Carburettor and clean with Compressed air.
	Air filter element dirty.	Clean the element.
	Spark plug cap is loose. (Petrol Only)	Tightly fit cap to plug.
Engine runs, but machine does not produce impact.	Lack of engine power	See above.
	Clutch is slipping	Dismantle clutch assembly, Clean shoe and drum with proper solvent. Replace clutch shoe if necessary.
	Crank mechanism is damaged	Contact Dealer.

Maintenance

The Altrad Belle RTX Range is designed to give many years of trouble free operation. It is, however, important that the simple regular maintenance listed in this section is carried out.

It is recommended that an approved Altrad Belle dealer carries out all major maintenance and repairs. Always use genuine Altrad Belle replacement parts, the use of spurious parts may void your warranty.

Before any maintenance is carried out on the machine, switch off the engine. If working on a petrol engined machine, disconnect the HT lead from the sparkplug.

Always set the RTX on level ground to ensure any fluid levels will be correctly read. Only use recommended oils (see chart).

Servicing the Engine

Service the engine according to the engine manufacturer's specifications. Refer to the engine operation and maintenance manual.

Yanmar L48 Engine Priming

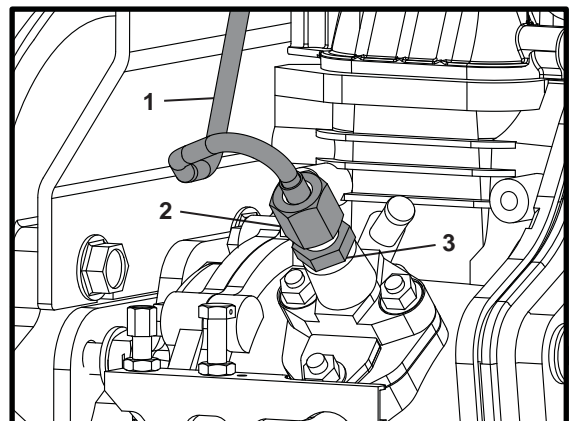
In the event of running out of Diesel or after a change of the Fuel Filter, the Yanmar engine will need to be primed. Please follow the below instructions.



CAUTION

Before starting the Priming procedure, please ensure the Fuel Tank is full and the Fuel Cap is not fitted to the tank.

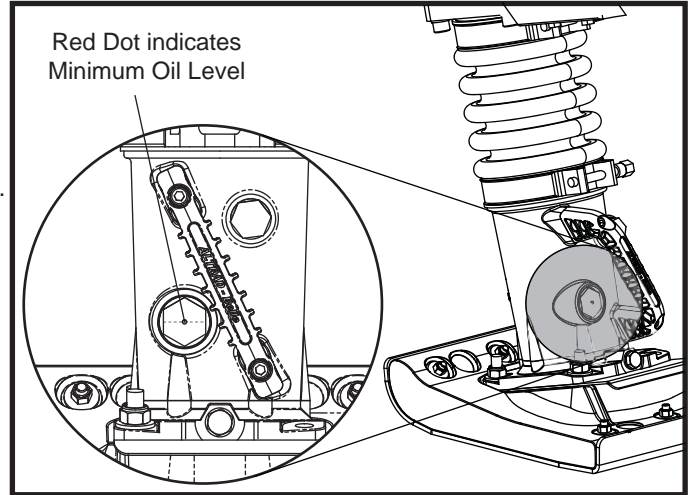
1. Open the fuel cock/tap.
2. Slide the Engine Speed Control Lever to the **RUN** position.
3. Using 2 x 17mm Spanners, unlock the Injector Pipe (**Item 1**) by loosening the Injector Pipe Nut (**Item 2**).
4. Slacken the Injector Pump Nozzle (**Item 3**) by 2 full revolutions
NOTE:- DO NOT remove the Injector Pump Nozzle.
5. Hold the Injector Pipe away from the Injector Pump Nozzle and wait until Diesel is running freely without any air bubbles.
6. Re-tighten the Injector Pump Nozzle to a setting of 12Nm.
7. Re-fit the Injector Pipe and tighten to 12Nm.
8. Re-fit the Fuel Cap and start the engine using the Start and Stop Procedure section of this manual.



Every 8 Hours or Daily

1. Check for loose bolt and nuts, retighten if necessary.
2. Check and clean air filter element, re-lube the element according to the engine manufacturer's recommendations. If operating conditions are unusually dusty and severe, filter element cleaning should be done more frequently.
3. Check oil level in crankcase of engine and replenish as necessary. Check oil level in the ramming cylinder as per following procedures.
 - 3a. Make sure that the machine has not been run in the last 10 minutes.
 - 3b. Set the machine on a level surface and remove the oil plug.
 - 3c. The top surface of the oil must be seen just below the lower rim of the hole for oil plug. Replenish as necessary.

NOTICE: Care should be taken not to overfill the ramming cylinder with oil. Overfilling will cause excessive load on the engine, which may result in poor or irregular vibration.



First 20 Hours of Operation

1. Replace the Oil in the Ramming Cylinder

Every 50 Hours or Weekly

2. Check for loose Bolts and Nuts. Retighten if necessary.

Every 200 Hours.

3. Change the Ramming Cylinder Oil. Do not overfill.

Fuel and Lubricant

Model	Fuel		Engine Crankcase			Ramming Cylinder	
	Type of Oil	Capacity	Type Of Oil	Engine	Capacity	Type of Oil	Capacity
RTX 50	Unleaded Petrol	2.5 Litres	10W-30, API, SF/CC, CD	GX100 / GXR120	0.6 Litres	10W-30, API, SF/CC, CD	0.7 Litres
RTX 60							0.8 Litres
RTX 68							
RTX 70	Diesel			L48	0.8 Litres		
RTX 80D							

**CAUTION**

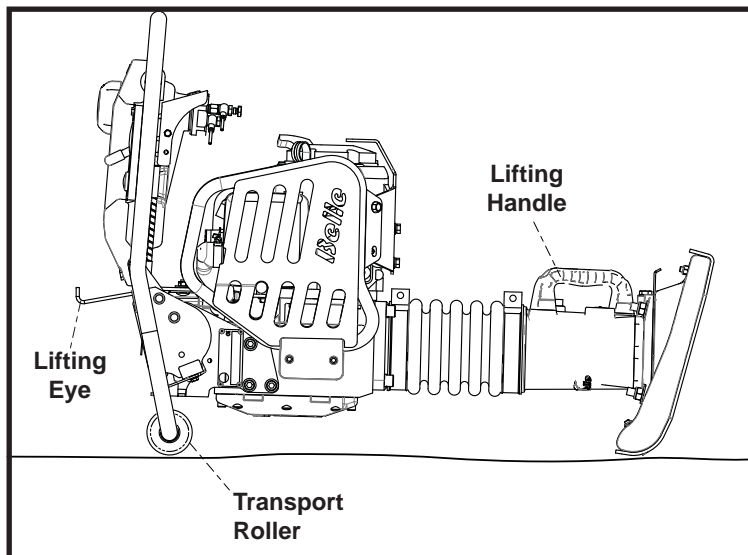
Please ensure that you have read and fully understand the information below before attempting to transport the RTX Rammer.

On-Site Transport

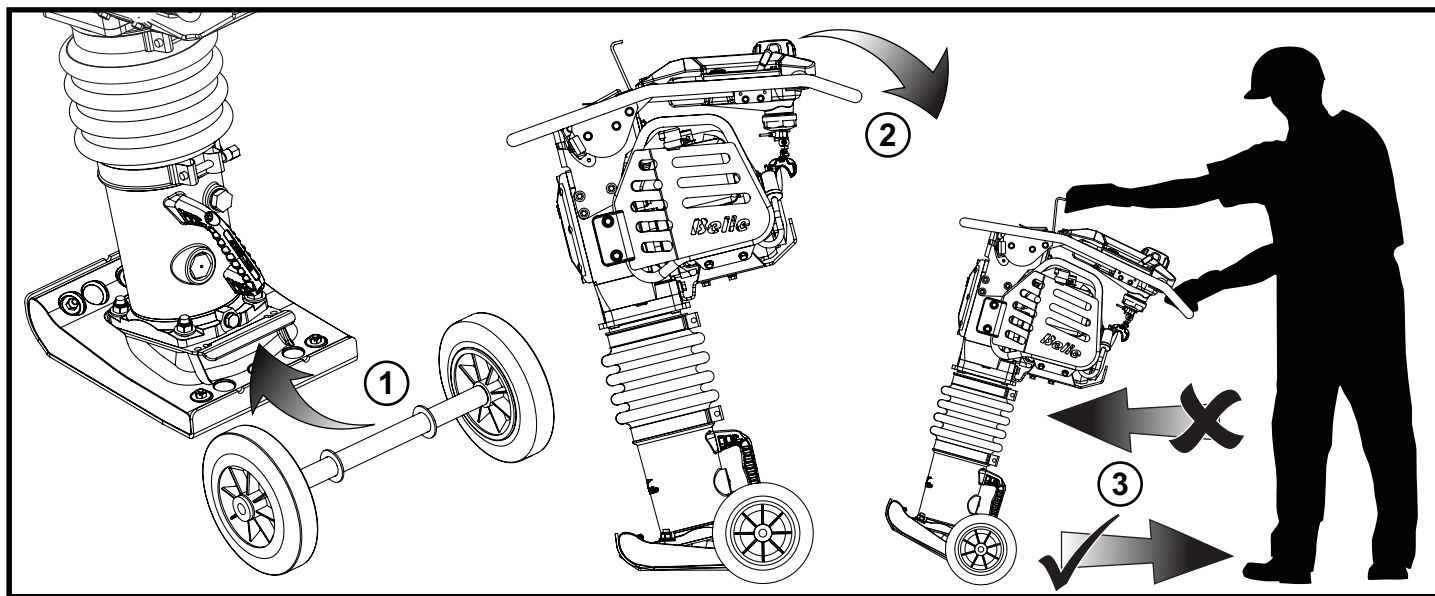
The RTX Rammer may be moved vertically by 2 people, laid on the Transport Roller (if fitted) and pulled using the Lifting Handle or by using a Sling or Hoist on the Lifting Eye. **NOTE:-** A sling or hoist must not be used on the Lifting Handle. Alternatively, use the optional Wheel Kit - see below for details.

Road Transport

The RTX Rammer must be transported as far as possible standing up, strapped to the body side board of the truck, or strapped inside a lorry (panel truck). If not possible, it may be laid down only on the Transport Rollers or front bar of the Operating Handle, in stable position and strongly strapped down to guard against rolling or sliding.

**Wheel Kit Option**

1. Place the Wheel Kit under the lip of the plate on the lower Ramming Leg.
2. Once the Wheel Kit is engaged, tilt the Rammer backwards slightly until the Wheels take the weight of the Rammer.
3. ONLY moving the Rammer backwards, transport to the required location.

**WARNING**

DO NOT leave the Wheel Kit engaged whilst unattended or during operation as this will make the Rammer unstable. For transportation purposes only!

Replacement Parts



KEY



**USE
LOCTITE**



**USE
OIL**



**USE
SILICONE**

When maintaining this product only the manufacturers original, genuine replacement parts may be used.

The user will lose any possible claims if replacement parts used are other than the makers original replacement parts.

Replacement parts for this product can be ordered online 24 hours a day, 7 days a week at www.Altrad-Belle247.com

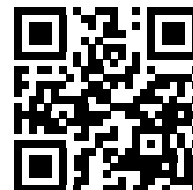
For more information regarding the availability of replacement parts for this product, please contact Altrad Belle using the following contact details:-

Tel:- +44 (0)1298 84606

Fax:- +44 (0)1298 84073

Email:- sales@altrad-belle.com

Alternatively, please scan the adjacent QR Code (Quick Response Code) using your smartphone to access the Altrad Belle online parts portal.



Warranty



Your new Altrad Belle Rammer Tamper is warranted to the original purchaser for a period of one-year (12 months) from the original date of purchase. The Altrad Belle warranty is against defects in design, materials and workmanship.

The following are not covered under the Altrad Belle warranty:

1. Damage caused by abuse, misuse, dropping or other similar damage caused by or as a result of failure to follow assembly, operation or user maintenance instructions.
2. Alterations, additions or repairs carried out by persons other than Altrad Belle or their recognised agents.
3. Transportation or shipment costs to and from Altrad Belle or their recognised agents, for repair or assessment against a warranty claim, on any machine.
4. Materials and/or labour costs to renew, repair or replace components due to fair wear and tear.

The following components are not covered by warranty.

- Engine air filter
- Engine spark plug

Altrad Belle and/or their recognised agents, directors, employees or insurers will not be held liable for consequential or other damages, losses or expenses in connection with or by reason of or the inability to use the machine for any purpose.

Warranty Claims

All warranty claims should firstly be directed to Altrad Belle, either by telephone, by Fax, by Email, or in writing.

For warranty claims:

Tel : +44 (0)1298 84606,

Fax : +44 (0)1298 84073,

Email : Warranty.dept@altrad-belle.com

or Write to:

Altrad Belle Warranty Department,
Sheen,
Nr. Buxton,
Derbyshire,
SK17 0EU
England

Warranty Registration:

In the bid for ALTRAD Belle to become greener and more eco friendly, we have now introduced online Warranty registration. To access the registration page of our website, please use the following address:-

http://www.bellegroup.com/index.php?p=warranty_registration

Alternatively, please scan the adjacent QR Code (Quick Response Code) using your smartphone to access the registration page.



