

CUMFLOW RP100XD MK2 ROTATING PAN MIXER

PARTS & OPERATION MANUAL

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The contents of this handbook although correct at the time of publication, may be subject to alteration by the manufacturers without notice and Winget Limited can accept no responsibility for any errors or omissions contained within the following pages. Nor can we accept any liability whatsoever arising from the use of this manual howsoever caused.

Winget Limited operate a policy of continuous product development. Therefore, some illustrations or text within this publication may differ from your machine

Winget Limited can accept no responsibility for incorrectly supplied parts unless the machine serial number, part number and a full description of the items required is given when the order is placed.

NOTE

Imperial fixings (bolts, setscrews, nuts, washers etc) have been progressively changed to Metric. If in doubt as to whether you have a Metric or Imperial fixing please order the metric items listed, i.e. bolt or setscrew and associated or flat and spring washers to replace the existing items

<u>NOTE</u>

Electrical cables particularly those with copper conductors suffer from a condition known as 'relaxation' which may cause wiring to work loose over a period of time, it is recommended that the tightness of wiring connections and terminals are checked following the first month in service.

OPERATING

AND

MAINTENANCE MANUAL

SECTION 1

GENERAL INFORMATION

RP100XD MK2

COMPANY DETAILS AND GENERAL INFORMATION

For any spares or service work, please contact:-

Winget Limited P.O. Box 41 Edgefold Industrial Estate Plodder Lane Bolton Lancs BL4 OLR

Telephone No: 'E Mail' ++ 44 (0) 1204 854650 crokersales@winget.co.uk parts@winget.co.uk service@winget.co.uk

ORDERING SPARES

To help us to complete your order promptly and correctly we need:-

- Machine type and serial number
- Description and quantity of parts required
- The full address to which the parts are to be sent

Winget Limited can accept no responsibility for incorrectly supplied parts unless the machine serial number, part number and a full description of the items required is given when the order is placed.

IMPORTANT NOTICE

The CUMFLOW RP100XD MK2 is a high performance mixer

The following precautions are necessary to obtain the best results and to avoid damage to the MIXING STAR and PAN DRIVE

AGGREGATES

Strict control of graded aggregates must be maintained Maximum size 19mm

Oversize lumps of aggregate or rogue materials must be prevented from entering the Pan

MIXING STAR BLADES

They are to a special shape and material to prolong wear life. They should not be modified in any way and only replaced with GENUINE '**CROKER**' spares obtained from **WINGET LIMITED**.

A daily check is advisable to ensure that the Blades/Wearing parts are secure and undamaged.

MAXIMUM BATCH LOADS

<u>UNDER NO CIRCUMSTANCES</u> should the Maximum Batch Loads quoted be exceeded nor should the mixer be stopped or re-started when there is a mix in Pan

MIXING PAN

Ensure that the Mixing Pan is rotating concentrically and that the pan base is Horizontal.

WARNING

THE MANUFACTURER ACCEPTS NO RESPOSIBILITY FOR ANY DAMAGE OR FAILURE RESULTING FROM OPERATIONAL MISUSE OR MALPRACTICE. ANY MODIFICATIONS TO THE MACHINE WILL AFFECT ITS WORKING PARAMETERS AND

SAFETY FACTORS. REFER TO THE MANUFACTURERS BEFORE FITTING ANY NON STANDARD EQUIPMENT OR PARTS.

THE MANUFACTURERS ACCEPT NO RESPONSIBILITY FOR ANY MODIFICATIONS MADE AFTER THE MACHINE HAS LEFT THE FACTORY, UNLESS PREVIOUSLY AGREED IN WRITING. THE MANUFACTURERS WILL ACCEPT NO LIABILITY FOR DAMAGE TO PROPERTY, PERSONNEL OR THE MACHINE IF FAILURE IS BROUGHT ABOUT DUE TO SUCH MODIFICATIONS, OR THE FITMENT OF SPURIOUS PARTS.

<u>RP100XD MK2</u> OPERATIONAL AND SAFETY <u>REQUIREMENTS</u>

PRE-DELIVERY

- 1.1 Drive coupling alignments, pan and star meshing of pan rack and drive gear.
- 1.2 Operating clearances star blade to pan. Fixed blade to pan wall.
- 1.3 Correct oil level in gearboxes. All grease points charged. Gear teeth greased.
- 1.4 No load test. Correct rotations.

PRE INSTALLATION

- 2.1 Check consignment.
- 2.2 Offload equipment using certified lifting gear of suitable capacity, by a competent person (see separate chart for nett weight).

INSTALLATION

- 3.1 Refer to contract arrangement and site instructions.
- 3.2 Mixer to be mounted on supports of adequate strength and rigidity to prevent undue vibration when mixing and securely bolted.
- 3.3 Mixer frame to be level on structure, add packers as required.
- 3.4 Check that pan is correctly seated and that pan rack and drive gear are in correct mesh.

ELECTRICAL SERVICES

4.1 Refer to wiring diagram in Ops Manual. All wiring to be undertaken by competant electrician, it is recommended that the mains electrical supply is provided via an earth leakage circuit breaker. **NOTE:** electrical cables particularly those with copper conductors suffer from a condition known as 'relaxation' which may cause wiring to work loose over a period of time, it is recommended that the tightness of wiring connections and terminals are checked following the first month in service.

OPERATION

- 5.1 Correct oil level in the gearboxes.
- 5.2 Check the Mixing pan clear of loose nuts and bolts to prevent damage to fingers and blades.
- 5.3 Check correct rotation mixing star anti clockwise; mixing pan anti clockwise. All when viewed from the top.
- 5.4 Blade operating clearances adjust in line with maintenance instructions.
- 5.5 Never exceed manufacturer's maximum capacity as detailed in specification.

SHUTDOWN

- 6.1 Prior to any work being carried out mixer to be isolated and physically locked off
- 6.2 Follow the procedures detailed in your companies Heath and Safety Policy at all times.
- 6.3 Ensure all storage bins containing materials to be mixed are isolated.

MAINTENANCE

- 7.1 Ensure that all maintenance is carried out in accordance with the Parts and Operating manuals and proprietary manufacturer's specific instruction.
- 7.2 Isolate electrical and other services to the mixer as section 6 above.
- 7.3 Service at recommended intervals.
- 7.4 Use Croker manufactured replacement parts available from WINGET LIMITED.
- 7.5 Ensure all safety guards and interlocks are reinstated prior to operating mixer.

GENERAL

8.1 Under on circumstances should the Maximum Batch Loads be exceeded by either weight and volume as stated in Technical Specification.

- 8.2 Mixer star blades to be checked daily for damage.
- 8.3 Pan rim and base wearing plates must be replaced before excessive wear causes distortion.
- 8.4 Ensure mixing pan is rotating concentrically and pan base is rotating in horizontal plane.
- 8.5 Mixer must not be stopped and started when there is mix in the pan.
- 8.6 Refer to the Contract Drawing for scope of supply and the Site instruction notes outlining weights etc.
- 8.7 Refer to Method Statement when installation and commissioning is responsibility of Croker.

Nett Weights Max (kgs)

RP50XD	788	RP1250XD 4840
RP100XD	900	RP1500XD 4980
RP200XD	1400	RP3000XD 7112
RP400XD	2000	FP1000 4040
RP550XD	2150	FP1500 4065
RP850XD	2600	FP2000 4100
	RP100XD RP200XD RP400XD RP550XD	RP100XD 900

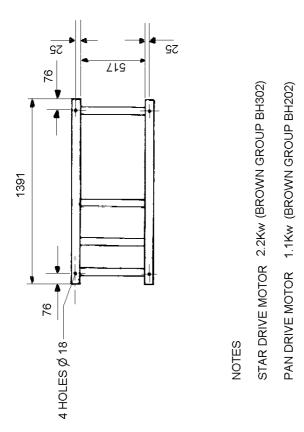
- 9.2 Refer to technical specification for nett weights of ancillary equipment.
- 9.3 Refer to contract drawing for nett weights of ancillary equipment.

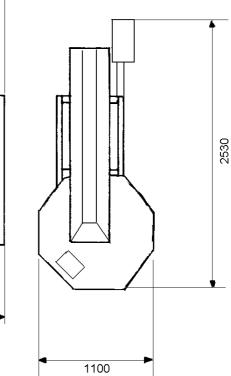
Miscellaneous

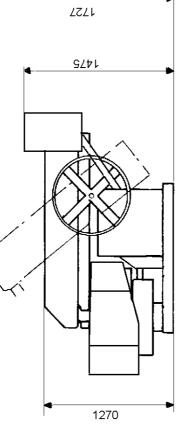
10.1 Noise. Measured in accordance with Article V of Directive 2000/14/EC Noise Emission in the Environment by Equipment for Use Outdoors:- 105Lwa

INSTALLATION DRAWING

MACHINE WEIGHT RP100XD MK2 900KG APPROX







OPERATING

AND

MAINTENANCE MANUAL

SECTION 2

INSTALLATION AND OPERATING INSTRUCTIONS

PRE-INSTALLATION

On arrival of the equipment it is advisable to check that all packages listed on the consignment note have been received.

The equipment must be offloaded using certified lifting gear of suitable capacity, by a competent person.

An outline drawing and bolt hold plan is normally sent prior to the despatch of the machine and will enable preparations to be made for the installation. With the `picture` of what the machine will look like when it is assembled, the ancillary equipment dismantled for transport can easily be identified.

INSTALLATION

Please refer to the contract arrangement and site instructions as applicable.

It is recommended that a concrete foundation (to take foundation bolts – not supplied) should be provided for the machine to be mounted on

Before completing the installation, check that the main mixer frame is level with a spirit level. Packings should be inserted as required under the main frame. Check that the pan is seated and that the pan rack and drive gear are in mesh.. Also check that all the blade clearances are in line with the maintenance instructions.

On connecting to the power supply, the wiring diagram must be referred to. Note:- it is recommended that the mains electrical supply is taken via an earth leakage circuit breaker.

The wiring is correctly connected to the motors when the pan and star drive rotate as follows:-

• The mixing pan and mixing star rotate anti-clockwise when looking from the top.

NOTE:- the proximity sensors below the pan and star drive lifting mechanism are fitted with small LED's which light up when the sensors are operating correctly.

OPERATING THE MIXER

Prior to start up, the following points should be checked:-

1)	That there is oil in a)	the pan drive gearbox
	b)	the star drive gearbox

- 2) The mixing pan should be clear of loose nuts, bolts, spanners, etc as these will damage the fingers and blades.
- 3) Check that the blade clearances are correct and if necessary adjust, in line with the maintenance instructions.
- 5) To raise the mixing star out of the mixing pan, turn the hand wheel in a clockwise direction until the arm is at 45'
- **<u>6</u>** To lower, turn the hand wheel anti-clockwise and lower gently. The mixer will automatically start if the mixing pan is in position. When the mixing pan is removed the mixer cannot be operated as the proximity switches need to sense the pan in position to complete the electrical circuit
- 7) On completion of the mixing cycle the raising of the mixing star operates a limit switch which automatically stops all moving parts
- 8) The pan can then be removed by hand or with the special lifting trolley available as an option

IMPORTANT:

After each mix the contents of the pan must be completely discharged. At the end of each period of operation the mixing pan, mixing blades, and fingers, must be washed down to prevent product setting on them and so impairing the efficiency of the machine. **NOTE:-** isolate the electrical supply before washing down the mixer and do not aim the water jet directly at the electrical control panel or related switch gear or sensors

OPERATING THE MIXER

SAFETY NOTES

Never operate the mixer unless you have read and fully understand the contents of the Operators Manual

Never operate the mixer whilst wearing loose fitting clothing

Never reach inside the Pan whilst it is rotating

Never operate any equipment unless you have received adequate training

Cement, certain other minerals and organic compounds can cause skin irritation leading to Dermatitis. Always use Personal Protective Equipment i.e. gloves etc to protect the skin from direct contact. If in any doubt about the materials being used consult your employers COSHH manual

Wear Eye protection to protect your eyes from dust and liquid splashes

Do not attempt to remove the pan single handedly, obtain assistance, use the Pan Trolley (if provided) or use suitable lifting equipment

Do not operate the mixer with any of the guards removed, safety devices or interlocks disconnected. They are there to offer you some protection, ensure they are correctly maintained

Carry out the daily maintenance before operating the mixer and report defects to your supervisors

Oils, Greases and Lubricants are skin irritants and prolonged direct skin contact can cause skin cancer. PPE or barrier creams should be used when carrying out maintenance work, wash your hands on completion

Always dispose of waste oils and lubricants in a proper manner, it is illegal to pour it down drains or bury it. Contact your local authority for a list of authorised disposal sites

Always disconnect the power supply at the mains before carrying out any maintenance work or cleaning the equipment down. Do not turn on the power until everything has dried out

Do not allow waste from the wash down process to enter the public drainage system unless it has been properly filtered

Decals and Instruction Plates are attached to the equipment to warn against hazards and assist in the safe operation of the equipment, if they become damaged or defaced they must be replaced.

OPERATING INSTRUCTIONS FOUR WHEEL PAN TROLLEY

The Four-Wheel Pan Trolley is designed to allow the safe and speedy removal and transportation of the pan and mixed materials to wherever they may be required within the plant. The following instructions should be followed to ensure the Four Trolley is used safely and correctly.

1) It is recommended that the Trolley be used only on firm level ground.

2) On no account should the laden Trolley be left unattended on anything other than a level surface unless the castors are securely chocked.

3) The area around the mixer should be kept free from any build up of waste material.

4) Ensue the Pan Lifting Lugs and Hoop attached to the pan are in good condition, secure and free from any build up of waste material.

5) Position the Trolley in front of the mixer so that the wheels are equally spaced to each side of the mainframe/chassis.

6) Fully raise the Mixing Star by means of the handwheel and allow the pan to come to a complete stop. Manually rotate the pan until two of the Pan Lifting Lugs are at right angles to the mainframe/chassis. This will allow the Trolley, when correctly positioned below the pan to cleanly lift the pan clear of the rack.

7) Push the Trolley under the pan until the 'V' support arms on the Trolley are aligned below the Pan Lifting Lugs, brace the Trolley by placing a foot in the rear centre of lower fixed frame and pull back on the handle until the 'V' supports are engaged with the Pan Lifting Lugs, continue pulling back on the handle until it abuts the stops, at which point the pan will be clear of the rack. Manoeuvre both pan and Trolley clear of the mixer. The Trolley complete with the pan can now be carefully pushed or pulled to wherever the mixed material is required. Be aware of the increased inertia inherent in the combined weight of the Trolley, Pan and Material.

8) Before tipping the pan to discharge the material it is recommended that the handle is moved fully forward to lower the upper moving frame of the Trolley

firmly onto the lower fixed frame. When the material has been discharged the trolley can be braced as described above, the handle pulled backwards against the stops and the pan transported back to mixer where the pan can be easily and quickly positioned over the rack and lowered into place.

9) On no account must attempts be made to engage the trolley with the mixer mainframe/chassis unless the Star Drive is raised and the rack stationary.

10) Do not 'swing' on the Trolley Handles, doing so may cause the Trolley to become unstable and it may tip backwards especially if the pan is empty causing injury to either yourself or nearby persons.

START PROCEDURE CROKER RP50XD, RP100XD & RP150XD RANGE MIXERS

1) Raise the mixing star assembly by way of the large hand wheel, rotate the wheel in a clockwise direction to raise the star assembly

2) Ensure the mixing pan is in place on the pan rack (gear) and correctly seated down.

3) Turn the power on at the red isolator switch on the control panel

4) Ensure the red emergency stop plunger on the front of the control panel is not depressed.

5) Press the green start button.

6) With both hands on the hand wheel, rotate the hand wheel anti-clockwise and lower the mixing star slowly and gently down into the mixing pan. The motors driving the pan and star should start automatically as the star enters the pan.

Note: do not allow the mixing star assembly to drop in an uncontrolled manner into the mixing pan, lower it slowly with both hands on the hand wheel.

OPERATING

AND

MAINTENANCE MANUAL

SECTION 3

TECHNICAL SPECIFICATION AND MAINTENANCE

TECHNICAL SPECIFICATION OF CUMFLOW RP100XD MK2

CAPACITIES:	Maximum Batch Capacit		163 kgs e 113 litres
	Batch capacity and output	its will vary with	material densities.
FEED MATERIAL:	Maximum Size	19 1	nm
MIXER FRAME:	Strongly constructed from	n welded Steel C	nannel
MIXING PAN:	Steel Base Pan removed special optional pan lifting	•	or with the aid of a
MIXING STAR:	Two spring mounted mix	ing star blades a	nd fixed scraper blade
<u>MIXING STAR</u> CONTROLS	762mm(30'') diameter ha	andwheel raises r	nixing star clear of the
POWER UNITS (415V):	Mixing pan drive 1.1kw suit 3 phase, 50 cycles, 3 drive 2.2kw totally enclo 50 cycles, 380/420 volts	80/420 volts a/c s sed geared electri	upply. Mixing star
POWER UNITS (240V): Mixing pan drive 1.1kw totally enclosed geared electric motor to suit 1 phase, 50 cycles, 240 volts a/c supply. Mixing star drive 2.2kw totally enclosed geared electric motor to suit 1 phase, 50 cycles, 240 volts a/c supply.			
ELECTRICALCONTROLSDirect on line starter controls both motors. Automatic safety control switch operates when mixing star is raised out of the pan with proximity switch to sense pan position			
GUARDING	All gears are guarded to c Supply of Machinery Saf	1.0	elevant PUWER and
<u>SPEEDS</u>	Speed of Pan Speed of Star	16 rpm 74 rpm	

WEIGHTS (UNLADEN)

900kg (approx)

Weight of additional pan

89kg (approx)

<u>PAN LIFTING</u> TROLLEY

RHS steel frame mounted on four industrial castors with tubular section handle

MAINTENANCE OF MIXER

IMPORTANT NOTE:

Ensure that all maintenance is carried out in accordance with the Parts and Operating Manual and Proprietary Manufacturer's specific instruction.

PROCEDURE

- 1 ISOLATE ELECTRICAL AND OTHER SERVICES TO THE MIXER (see separate section).
- 2 Service at recommended intervals.
- 3 Use Croker manufactured replacement parts available from WINGET LIMITED.
- 4 Ensure all safety guards and interlocks are reinstated prior to operating the mixer.
- 5 Main items of wear (see Section 4).
 - A) Star Blades
 - B) Fixed Blade

Access to mixing pan internals is via the safety interlocks. Each of the above are bolted components and are replaced by simple method and usually achieved in situ without dismantling other components.

C) Other items prone to less wear are star blade fingers and mixing star. Each can be replaced again in situ but pan covers may require removal to provide the necessary access.

MAINTENANCE AND LUBRICATION

NOTE:

ALWAYS ENSURE APPARATUS IS ISOLATED FROM MAINS SUPPLY BEFORE COMMENCING MAINTENANCE. IF NECESSARY A 'PERMIT TO WORK' SHOULD BE OBTAINED

DAILY:

Charge the grease points using Total EP2 Grease 2 (or equivalent)

WEEKLY

Lubricate

Racks	Apply Open Gear Lubricant (or equivalent)
Pinions	Apply Open Gear Lubricant (or equivalent)

Inspect and top-up if necessary.

- 1. Star Gear Box (Brown Group BH302) Use Total Carter SP220 1.2 litres cap
- 2. Pan Drive Gear Box (Brown Group BH202) Use Total Carter SP220 0.80 litres cap

NOTE:- Total Carter SP220 is a synthetic oil and should not be mixed with mineral oils such as Mobil Mobilgear 630, unless the gearbox is thoroughly flushed out after draining.

INSPECT AND ADJUST-MONTHLY

- 1. Pan Gear and Pinion, grease Open Gear Lubricant (or equivalent), as required.
- 2. Adjust Star Blades, Fixed Blades and Discharge Blade to the following settings, also make sure that Blade Fingers are free in their bearings and that the springs are clear of obstruction.
- 3. Star Drive Bevel Pinions, remove cover and grease pinions with Open Gear Lubricant or equivalent as required. Check retaining grub screws and keys are tight.

<u>MIXING BLADE</u> 3mm clear of pan base. Adjust by moving the blade up or down its finger.

FIXED BLADES

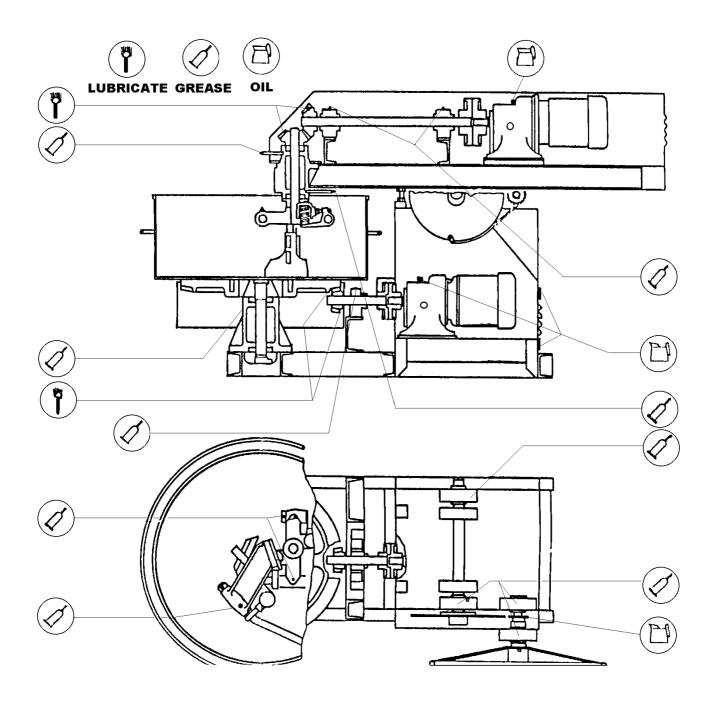
6mm clear of pan base with the leading edge just touching the pan side. Adjust by moving the blade up or down its finger.

MAINTENANCE FOR GEAR UNITS

MAINTENANCE OF THE MOTORS

The surface of the housing as well as the cover lattice of the fan bonnet should be kept clean in order not to endanger the cooling of the motor with dust and dirt.

Although the bearings of the motor have life time lubrication, the oil in the gearbox of a new unit should be drained after the first 500 hours of operation and the case thoroughly flushed with a light flushing oil before refilling with fresh oil to the correct specification



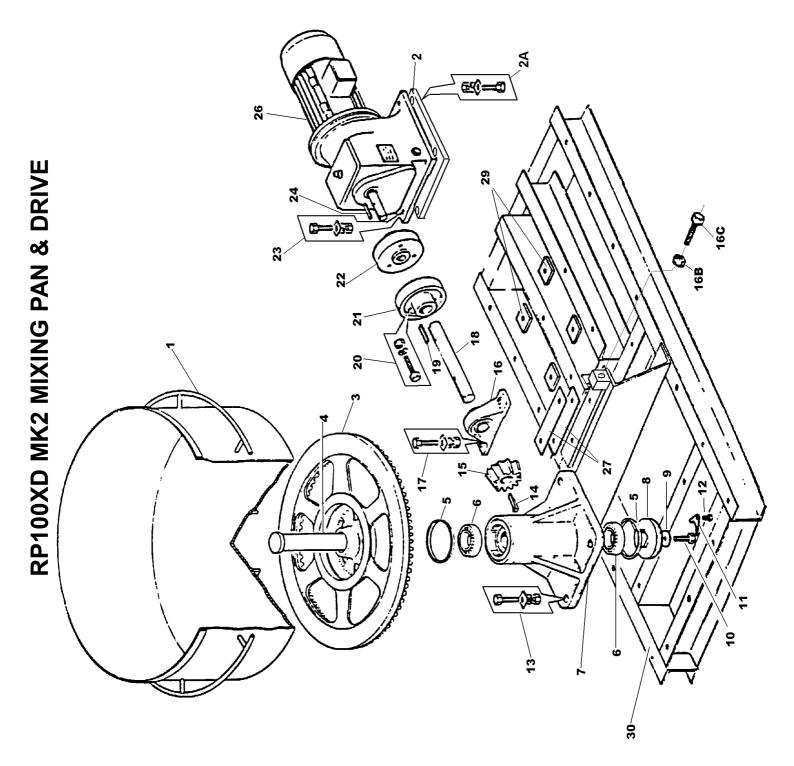
OPERATING

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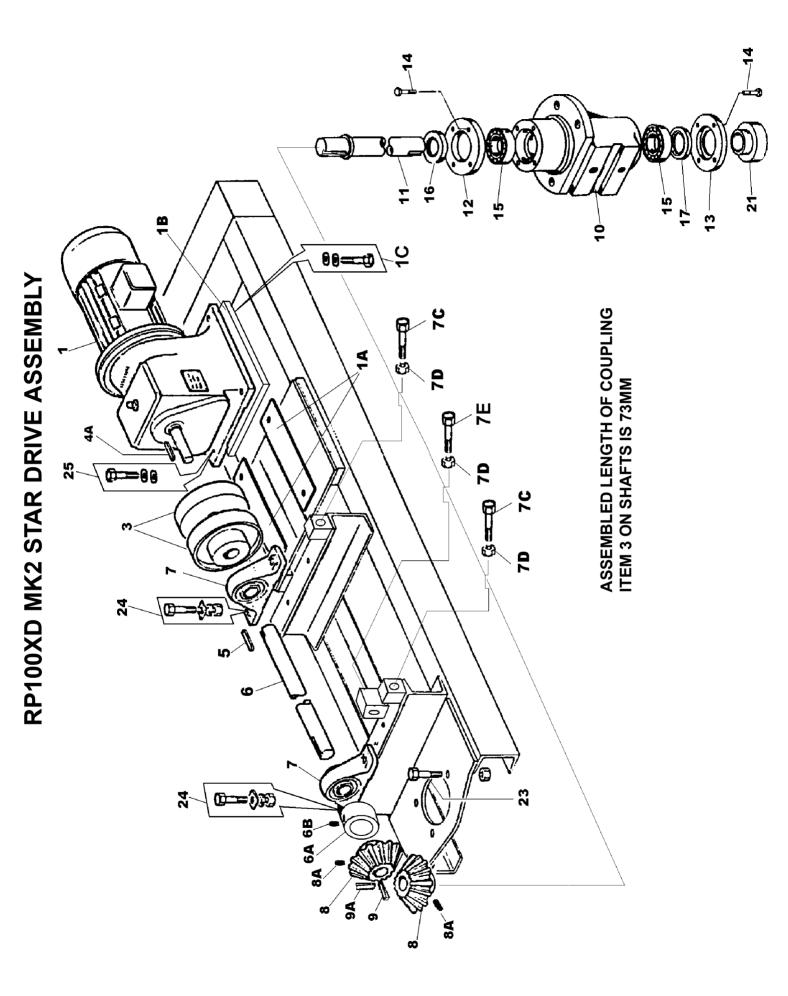
MAINTENANCE MANUAL

SECTION 4

MIXER SPARE PARTS



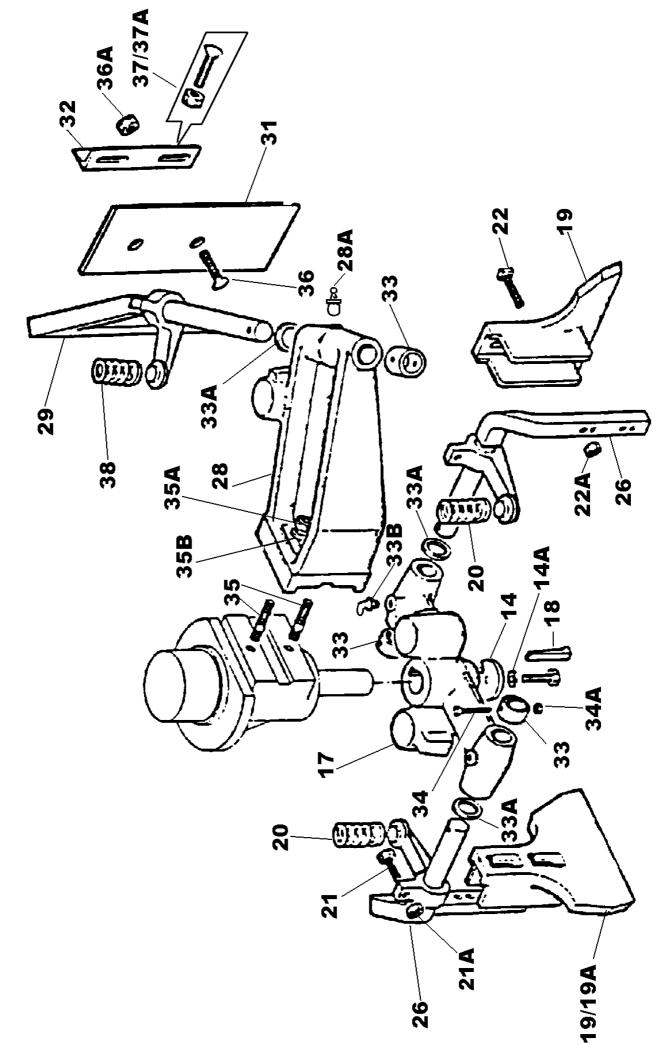
1 2 2A 2B 2C 3 4 5 6 7 7A 7B 8 9 10 11 12 12A 13 13A 13B	CR540381 CR53100864 8S05D 17S06 267S07 CR210136 CR520179 CR560006 CR150153 CR210137 333104020 176S01 CR210092 CR630047 11S06F CR530477 68S05C 17S05 8S06H 61S06 267S09		1 1 4 4 1 2 2 1 1 1 1 1 1 1 4 4 4
14 14A 15 16 16A 16B 16C 17 17A 17B	CR320021 CR320023 CR460022 CR150925 176S01 7S06 11S06P 8S05J 61S05 267S07	BEVEL PINION KEY, GIB HEAD 1/2 X 3/8 X4 ALTERNATIVE 1/2 X 7/16 X6 CUT TO SIZE BEVEL PINION BEVEL PINION SHAFT BEARING COVER NIPPLE GREASE NUT M16 SCREW SET M16 X 80 BOLT BEARING M12 X 65 NUT BINX M12 WASHER FLAT M12	1 1 1 2 2 2 2 2
18 19 20 20A 21 21A 21B 23 23A 23B 24 26 26 26 27 29 30	CR52100896 CR329015 8S05F 7S05 CR23100869 57S04E2 57S05D2 8S04F 17S05 267S06 CR329047 CR22100905 CR22100868 CR549006 555112100 CR26100866	BEVEL PINION SHAFT COUPLING, DRIVEN HALF FEATHER KEY BOLT, RIGID COUPLING M12 X 50 NUT, RIGID COUPLING M12 ASSEMBLY RIGID COUPLING SCREW GRUB M6 COUPLING DRIVING HALF SCREW GRUB M8 COUPLING DRIVEN HALF BOLT GEAR UNIT M10 X 50 WASHER SPRING M10 WASHER FLAT M10 COUPLING, DRIVING HALF FEATHER KEY GEAR MOTOR UNIT, PAN DRIVE, 240V 1PH 1.1KW (BH202) GEAR MOTOR UNIT, PAN DRIVE, 415V 3PH 1.1KW (BH202) SHIM PACK BEARING (4 SHIMS PER SET) SHIM PACKER, GEARED MOTOR UNIT CHASSIS FRAME	1 3 3 1 2 4 4 4 1 1 1 8/R 1



1BCR53100865PLATE ADAPTOR GEAR MOTOR UNIT (BH302) PLAIN1C11S05CSCREW SET M12 X 251D17S06WASHER SPRING M121E267S07WASHER FLAT M123CR23100890COUPLING ASSEMBLY. FLEXIBLE, FENNER HRC TYPE FConsists of Following	4 4 1
3A CR23100908 COUPLING HALF FENNER HRC TYPE F 3B CR23100891 INSERT, FLEXIBLE, FENNER HRC180 3C CR66100892 BUSH TAPERLOCK DRIVEN HALF 1 1/2" DIA 3D CR66100893 BUSH TAPERLOCK DRIVEN HALF 1 1/2" DIA 4A CR329047 KEY DRIVING HALF COUPLING, SUPPLIED WITH GEARMOTOR 5 CR329013 KEY DRIVEN HALFCOUPLING 6 CR52100871 SHAFT TOP 6A CR630209 SPACER BEVEL PINION 6B 57805D2 SCREW GRUB 7 CR159006 BEARING ASSEMBLY TOP SHAFT 7A 176S01 COVER GREASE NIPPLE 7B CR549006 SHIM PACK BEARINGS (4 SHIMS PER SET) 7C 11306M SCREW SET M16 X 60 8 CR460024 GEAR BEVEL 8A 57505D2 GRUB SCREW M8 8B 555116600 PLATE GEAR RETAINING 8C 11504D SCREW SET M10 X 30 8D 17505 WASHER FLAT M10 9 CR329093 KEY FEATHER BEVEL GEAR HORIZONTAL 1/2X5/16X2" <	2111111222R46226222211122111448211148444 A/R4622622221111448211148444

RP100XD MK2 STAR DRIVE ASSEMBLY

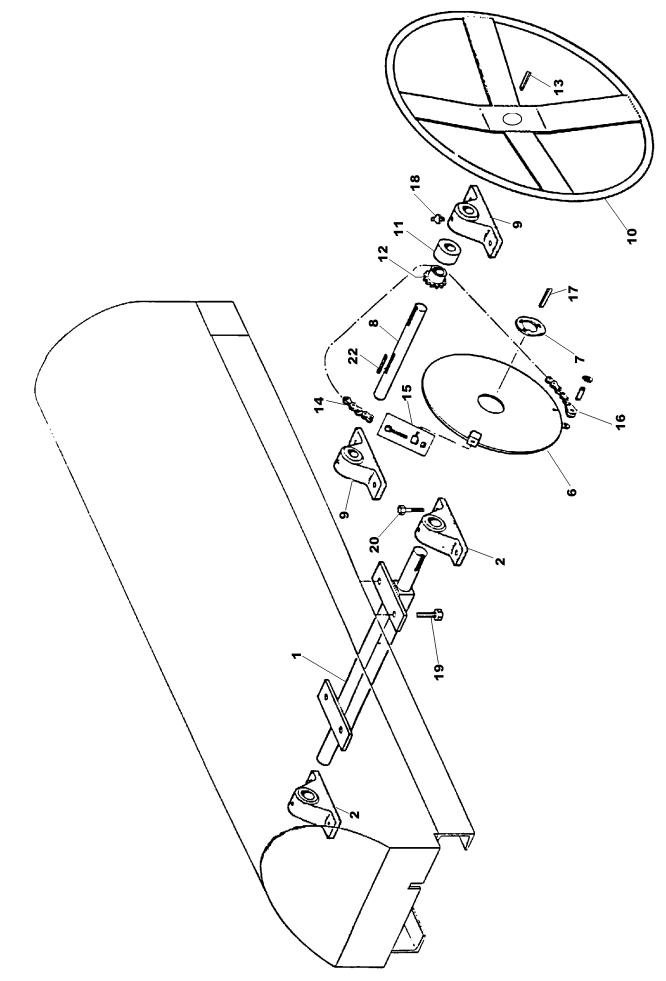
24A	267S07	WASHER FLAT M12	4
24B	61S05	NUT BINX M12	4
25	11S04G	SCREW SET GEAR MOTOR UNIT M10 X 45	4
25A	17S05	WASHER SPRING M10	4
25B	267S06	WASHER FLAT M10	4
26	CR26100867	STAR ARM CHASSIS/FRAME	1



RP100XD MK2 MIXING STAR ASSEMBLY

14 CR520200 KEY CAP 14A 11505D SCREW SET M12 X 20 14B 17506 WASHER SPRING M12 17 CR210140 STAR MIXING 18 CR329053 KEY FEATHER MIXING STAR 19 CR219009C BLADE STAR CAST, RIBBED 19A CR219009S BLADE STAR POLYUREATHANE, NO RIBS, SMOOTH FINISH 19D CR219009SC BLADE STAR CAST, NO RIBS, SMOOTH FINISH 19D CR230061 SPRING COMPRESSION STAR BLADE 21 11505K BOLT ADJUSTING BLADE FINGER M12 X 70 214 7505 NUT M12 22 805J BOLT STAR BLADE M12 X 65 22A 267507 WASHER SPRING M12 22C 7505 NUT M12 23B 17506 WASHER SPRING M12 24C CR20030 FINGER STAR BLADE 4 CU FT PAN-RP100 28 7505 NUT M12 26 CR260300 FINGER STAR BLADE 4 CU FT PAN-RP100 27 S051 COVER NIPPLE GREASE 29 CR260415	1 1 1 1 2 2 2 2 2 2 3 4 4 8 4 4 2 1 1 1 1 1 1 3 R 2 3 3 2 2 2 2 2 4 4 4 4 4 4 4 1 A 2 3 3 2 2 2 2 4 4 4 4 4 4 4 1
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RP100XD MK2 MIXING STAR LIFTING ARRANGEMENT

1 2 6 6A 7 8 9 10 10A	CR52100823 CR15100819 176S01 CR26100816 CR66100895 CR54100821 CR52100824 CR15100818 CR36100815 CR66100832	PIVOT SHAFT PIVOT SHAFT BEARING 40MM BORE COVER NIPPLE GREASE PLATE, WHEEL, TAPERLOCK FITTING BUSH TAPERLOCK PLATE WHEEL CAM, PROXIMITY SWITCH (SEE CAM & PROXIMITY SWITCH) SHAFT, HANDWHEEL BEARING, HANDWHEEL SHAFT HANDWHEEL, TAPERLOCK FITTING BUSH TAPERLOCK HANDWHEEL	1 2 1 1 1 2 1 1
12 12A 13 14 14A 15 16 17 18A 19 19A 19C	CR34100817 CR66100916 304710825 CR20100874 134104002 CR200134 CR200072 304712863 176S01 8S06H 267S09 61S06	SPROCKET, CHAIN TAPERLOCK FITTING BUSH TAPERLOCK SPROCKET KEY, HANDWHEEL BUSH, MAKE FROM 304708035 CHAIN, TILTING LINK SPLIT CHAIN BOLT & BLOCK, DRAW CHAIN LINK ATTACHMENT, CHAIN END KEY, PLATE WHEEL BUSH, M12 X 8 X 63 COVER NIPPLE GREASE BOLTS, PIVOT SHAFT M16 X 60 WASHER FLAT M16 NUT BINX M16	1 1 1 1 1 2 4 8 4
20 20A 20B 21 21A 21B 21C 21D 22	8S05F 267S07 61S05 CR22100886 CR53100887 11S02A 267S04 17S03 304708035	BOLT, BEARINGS M12 X 50 WASHER FLAT M12 NUT BINX M12 SWITCH PROXIMITY, NOT ILLUSTRATED ANGLE BRACKET SWITCH MOUNTING, NOT ILLUSTRATED SCREW SET M6 X 16, NOT ILLUSTRATED WASHER FLAT M6 WASHER SPRING M6 KEY PARALLEL, SPROCKET BUSH	8 16 1 1 4 4 4 1

က **RP100XD MK2 COVERS & GUARDS** Ĺ 6/6A 4 12 8A 13/13A

1	CR53100833	HOUSING ASSEMBLY PAN DRIVE MOTOR	1
1A	11S05D	SCREW SET M12 X 30	8
1B	267S07	WASHER FLAT M12	8
1D	61S05	NUT BINX M12	8
		-	1
2	CR54100820		
2A	7S04	NUT M10	2
2B	17S05	WASHER SPRING M10	2
2C	267S06	WASHER FLAT M10	2
3	CR53100814	COVER CHAIN LOWER	1
3A	11S05D	SCREW SET M12 X 30	8
3B		WASHER FLAT M12	16
3C	61S05	NUT BINX M12	8
4		GUARD PAN DRIVE SHAFT	1
4A	11S03B	SCREW SET M8X 20	6
4B	267S05	WASHER FLAT M8	6
4C	17S04	WASHER SPRING M8	6
5	CR54100822	GUARD STAR DRIVE	1
5A	V2003215	DOOR PULL, NOT ILLUSTRATED	2
5B	11S02A	SCREW SET M6 X 20	4
5C		WASHER FLAT M6	4
5D	17S03	WASHER SPRING M6	4
5E	7S02	NUT M6	4
5F	11S05D		6
5G	17S05	WASHER SPRING M12	6
5H	267S07	WASHER FLAT M12	6
6	CR53100897	COVER INSPECTION, HOUSING SIDE, R/H, LARGE, NOT ILLUS	1
6A	11S03B	SCREW SET M8 X 20	4
6B	17S04	WASHER SPRING M8	4
6C	267S05	WASHER FLAT M8	4
6D	CR53100909		1
6E	11S03B	SCREW SET M8 X 20	4
6F	17S04	WASHER SPRING M8	4
6G	267S05	WASHER FLAT M8	4
7	CR53100875	COVER FRONT LOUVERED, HOUSING NOT ILLUSTRATED	1
7A	11S03B	SCREW SET M8 X 20	4
7B	17S04	WASHER SPRING M8	4
7C	267S05	WASHER FLAT M8	4
8	CR54100825	COVER DUST ASSEMBLY	1
8A	CR249505	CATCH INSPECTION HATCH	1
8B	11S03C	SCREW SET M8 X 25	5
8C	17S04	WASHER SPRING M8	5
8D	267S05	WASHER FLAT M8	5
9	CR540442	CLEAT, DUST COVER TO FRAME	2
9A	11S04C	SCREW SET M10 X 25 CLEAT TO DUST COVER	4
		WASHER FLAT M10	4 8
9B	267S06		
9C	17S05	WASHER SPRING M10	4
9D	7S04	NUT PLAIN M10	4
10	11S05D	SCREW SET M12 X 30 CLEAT TO FRAME	4
10A	267S07	WASHER FLAT M12	8
10B	17S06	WASHER SPRING M12	4
10C	7S05	NUT PLAIN M12	4
11	11S07T	SCREW SET STAR FRAME STOP M20 X 100	2

11A	7S07	NUT PLAIN M20	2
12	CR54100839	GUARD PAN DRIVE GEAR/PAN RIM	1
12A	11S04D	SCREW SET M10 X 30	4
12B	267S06	WASHER FLAT M10	8
12C	17S05	WASHER SPRING M10	4
12D	7S04	NUT M10	4
13	CR54100826	GUARD, PAN COVER SIDE, RH	1
13A	CR54100827	GUARD, PAN COVER SIDE, LH	1
13B	CR54100828	GUARD PAN COVER REAR, NOT ILLUSTRATED	1
13C	11S03B	SCREW SET M8 X 20	21
13D	17S04	WASHER SPRING M8	21
13E	267S05	WASHER FLAT M8	21
13F	7S03	NUT M8	9
14	CR570019	SEAL RUBBER	1
15	CR53100926	STOP ANGLE, STAR ARM CHASSIS, NOT ILLUSTRATED	1
15A	8S03C	BOLT M8	2
15B	267S05	WASHER FLAT M8	4
15C	61S03	NUT BINX SELF LOCKING	2
16	V2003199	TRIM EDGING, NOT ILLUSTRATED	A/R

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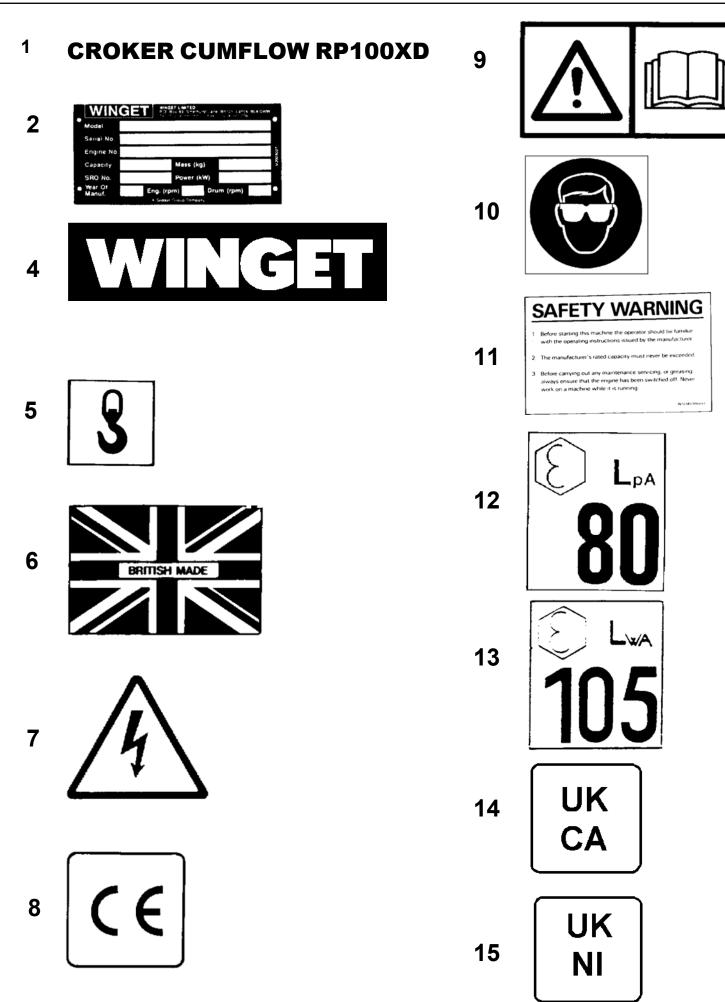
PARTS NOT ILUSTRATED

CR22100878	SWITCH PROXIMITY, PAN	2
CR22100886	SWITCH PROXIMITY, STAR LIFTING	1
CR53100887	ANGLE BRACKET, SWITCH MOUNTING STAR LIFTING	1
11S02C	SCREW SET M6 X 25	2
17S03	WASHER SPRING M6	2
267S04	WASHER FLAT M6	2
7S02	NUT M6	2
CR54100821	CAM, SWITCH OPERATING, STAR LIFTING	1
11S02C	SCREW SET M6 X 25	2
17S03	WASHER SPRING M6	2
267S04	WASHER FLAT M6	2
CR54100863	BRACKET, PROXIMITY SWITCH PAN	2
11S03C	SCREW SET M8 X 25	4
267S05	WASHER FLAT M8	4
17S04	WASHER SPRING M8	2
7S03	NUT M8	2
7000410	COVER SPIRAL GUARD	6MT
143200300	CLIP 'P'	2
11S02B	SCREW SET M6 X 20	2
267S04	WASHER FLAT M6	2
17S03	WASHER SPRING M6	2
7S02	NUT M6	2
V2003252	GROMMET OPEN	2
	CR22100886 CR53100887 11S02C 17S03 267S04 7S02 CR54100821 11S02C 17S03 267S04 CR54100863 11S03C 267S05 17S04 7S03 7000410 143200300 11S02B 267S04 17S03 7S02	CR22100886SWITCH PROXIMITY, STAR LIFTINGCR53100887ANGLE BRACKET, SWITCH MOUNTING STAR LIFTING11S02CSCREW SET M6 X 2517S03WASHER SPRING M6267S04WASHER FLAT M67S02NUT M6CR54100821CAM, SWITCH OPERATING, STAR LIFTING11S02CSCREW SET M6 X 2517S03WASHER SPRING M6267S04WASHER SPRING M6267S04WASHER FLAT M6CR54100863BRACKET, PROXIMITY SWITCH PAN11S03CSCREW SET M8 X 25267S05WASHER FLAT M817S04WASHER SPRING M87000410COVER SPIRAL GUARD143200300CLIP 'P'11S02BSCREW SET M6 X 20267S04WASHER FLAT M617S03WASHER SPRING M67503NUT M87000410COVER SPIRAL GUARD143200300CLIP 'P'11S02BSCREW SET M6 X 20267S04WASHER FLAT M617S03WASHER SPRING M67503NUT M6

PARTS NOT ILLUSTRATED

1	CR22100907	CONTROL PANEL ASSEM, HIGH LEVEL MOUNTING 240V 1PH	
1	CR22100901	CONTROL PANEL ASSEM, HIGH LEVEL MOUNTING 415V 3PH	1
1A	CR53100873	BRACKET SUPPORT CONTROL PANEL MOUNTING	1
1B	11S03C	SCREW SET M8 X 30	4
1C	267S05	WASHER FLAT M8	8
1D	17S04	WASHER SPRING M8	4
1E	61S03	NUT BINX M8	4
1F	11S02C	SCREW SET M6 X 25	8
1G	267S04	WASHER FLAT M6	8
1H	17S03	WASHER SPRING M6	8
IJ	7S02	NUT M6	8
2	CR229109	SP20 CONDUIT	6MT
3	CR229110	SP20/M20/TYPE B FITTINGS	7
4	191902200	TERMINAL RING 'CRIMP ON TYPE' BLUE	8
5	144700200	CABLE 1.5MM SQ G/Y (6491X H07)	8MT
6	7000410	COVER FLEXIBLE SPIRALGUARD NOT ILLUSTRATED	A/R
7	CR229112	COUPLER 20MM FEMALE GALVANISED	1
8	CR229103	CABLE 2.5MM SQ RED (6491X H07)	8MT
9	CR229104	CABLE 2.5MM SQ YELLOW (6491X H07)	8MT
10	CR229105	CABLE 2.5MM SQ BLUE (6491X H07)	8MT
11	CR229097	TERMINAL RING 'CRIMP ON TYPE'	2
12	CR229114	LOCK RINGS 20MM	2
13	CR22100879	CONVERTER PG16-M20	A/R
14			
15	143200300	CLIP 'P'	10
16	11S02C	SCREW SET M6 X 25	10
17	267S04	WASHER FLAT M6	10
18	17S03	WASHER SPRING M6	10
19	7S02	NUT M6	10
20	CR22100886	SWITCH PROXIMTY, MIXING STAR LIFTING PROTECTION	1
21	CR22100878	SWITCH PROXIMTY, PAN DRIVE PROTECTION	2

RP100XD MK2 DECALS AND LOGOS



1	CR85100763	DECAL RP100XD	2
2	V2003037	PLATE SERIAL NUMBER	1
3	101S05D	RIVET POP	4
4	V2003039	DECAL 'WINGET' MEDIUM	2
5	V2003665	DECAL SLING POINT	4
6	V2003598	DECAL BRITISH MADE	2
7	V2004307	DECAL ELECTRICAL HAZARD	2
8	V2004223	DECAL 'CE' MARK (EU & NI ONLY)	1
9	V2004229	DECAL OPERATORS HANDBOOK	2
10	V2004744	DECAL EYE PROTECTION	2
11	504694600	DECAL SAFETY	1
12	V2004130	DECAL NOISE 80 LPA	1
13	V2003575	DECAL NOISE 105 LWA	1
14	V2006402	DECAL UKCA (GB ONLY)	1
15	V2006403	DECAL UKNI (NI USE ONLY)	1

OPERATING

AND

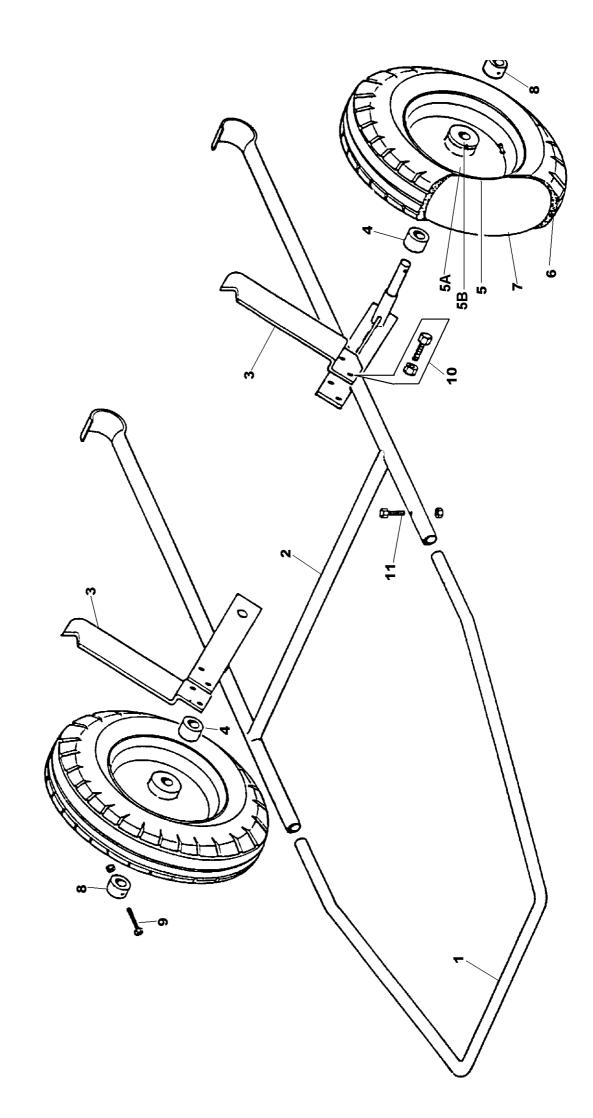
MAINTENANCE MANUAL

SECTION 5

ANCILLARY EQUIPMENT SPARE PARTS

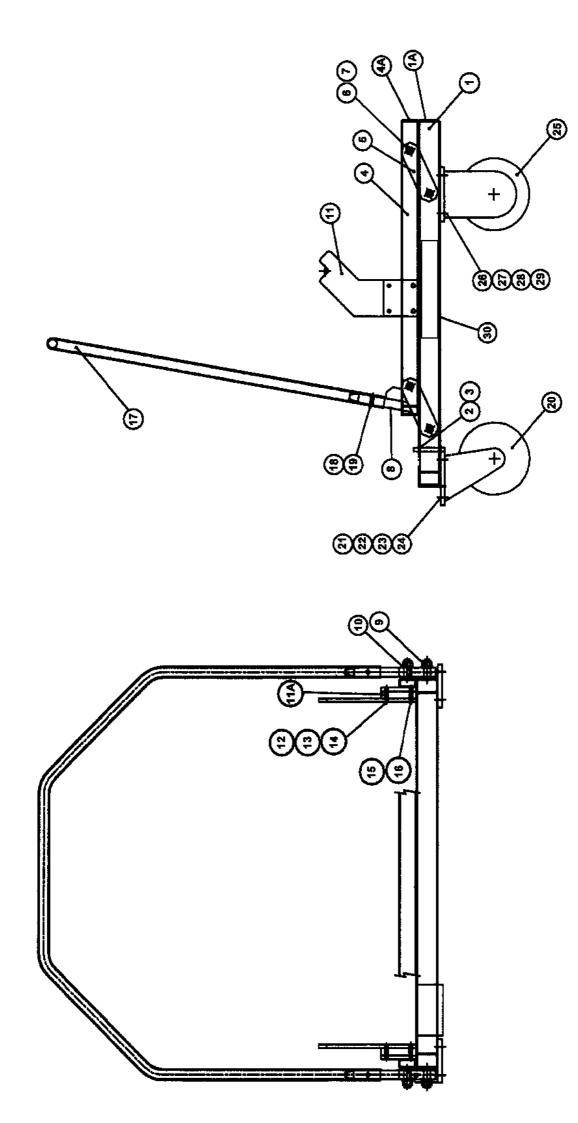
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RP100XD PAN TROLLEY



1	CR260392	HANDLE, TROLLEY	1
2	CR260391	CHASSIS TROLLEY	1
3	CR530485	SUPPORT PAN (IN PAIRS)	1PR
4	10S65	SPACER WASHER, AXLE (WHEN REQUIRED)	6
5	CR440151	WHEEL ASSEMBLY INC ITEMS 5,6 & 7	2
5A	CR440122	WHEEL RIM	2
5B	CR440125	BEARING ROLLER	2
6	CR440123	TYRE	2
7	CR440124	TUBE	2
8	CR630105	BOSS, WHEEL RETAINER	2
9	69S03G	BOLT	2
9A	61S04	NUT LOCKING	2
10	11S06F	SCREW SET	4
10A	267S09	WASHER FLAT	8
10B	61S06	NUT BINX	4
11	8S04G	BOLT	2
11A	61S04	NUT LOCKING	2





FROM MARCH 2001 ONWARDS

1	CR26100858	FRAME LOWER	1
1A		INSERT BLANKING 60 X 40	2
2	11S04G	STOP SCREWS M10 X 45	2
3	7S04	NUT M10	4
4	CR26100857	FRAME UPPER	1
4A		INSERT BLANKING 50 X 25	2
5	CR53100849		2
6	59S11	NUT NYLOC M16	4
7	267S09	WASHER FLAT M16	4
8	CR26100850	PIVOT BAR REAR C/W HANDLE CARRIERS	2
9	59S11	NUT NYLOC M16	4
10	267S09	WASHER FLAT M16	4
11	CR53100852	PLATE PICKUP, PAN SUPPORT	2
11A	CR53100853		2
12	8S03E	BOLT UPPER M8 x 45	4
13	17S04	WASHER SPRING M8	4
14	267S05	WASHER FLAT M8	4
15	8S03D	BOLT LOWER M8 x 40	4
16	17S04	WASHER SPRING M8	4
17	CR53100846	HANDLE TROLLEY	1
18	8S03E	BOLT HANDLE RETAINING M8 x 45	2
19	61S03	NUT BINX M8	2
20	CR449001	CASTOR SWIVEL REAR ASSEMBLY	2
INDIVID	UAL WHEEL ITEN	IS AVAILABLE AS FOLLOWS	
20A	CR449002	WHEEL ASSEMBLY C/W BEARING	1
20B	CR449005	WHEEL CENTRE BUSH/SPACER	1
20C	11S05P	BOLT M12 x 80	1
20D	61S05	NUT BINX M12	1
21	11S04D	BOLT CASTOR RETAINING M10 x 30	8
22	267S06	WASHER FLAT M10	8
23	17S05	WASHER SPRING M10	8
24	7S04	NUT M10	8
25	CR449000	CASTOR FIXED FRONT ASSEMBLY	2
INDIVID	UAL WHEEL ITEN	IS AVAILABLE AS FOLLOWS	
25A	CR449002	WHEEL ASSEMBLY C/W BEARING	1
25B	CR449005	WHEEL CENTRE BUSH/SPACER	1
25C	11S05P	BOLT M12 x 80	1
25D	61S05	NUT BINX M12	1
26	11S04D	BOLT CASTOR RETAINING M10 x 30	8
27	267S06	WASHER FLAT M10	8
28	17S05	WASHER SPRING M10	8
29	7S04	NUT M10	8
30	V2004636	DECAL WINGET SMALL	2

ADDITIONAL PARTS LISTED BELOW ARE NOT ILLUSTRATED

1	V2005120	PLATE - NOMENCLATURE/INSCRIPTION	1
2	101S05D	RIVET POP	4
3	V2005132	TOOL KIT	1
4	CR54100774	TOOL BOX	1
5	11S04B	SCREW SET M10	2
6	17S05	WASHER SPRING M10	2
7	7S04	NUT M10	2

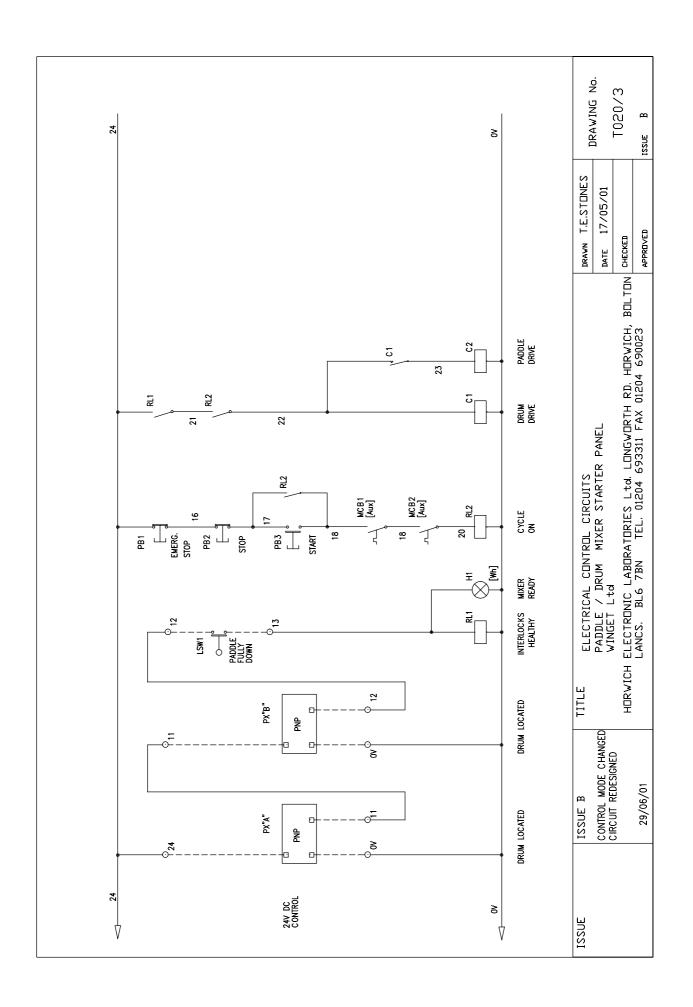
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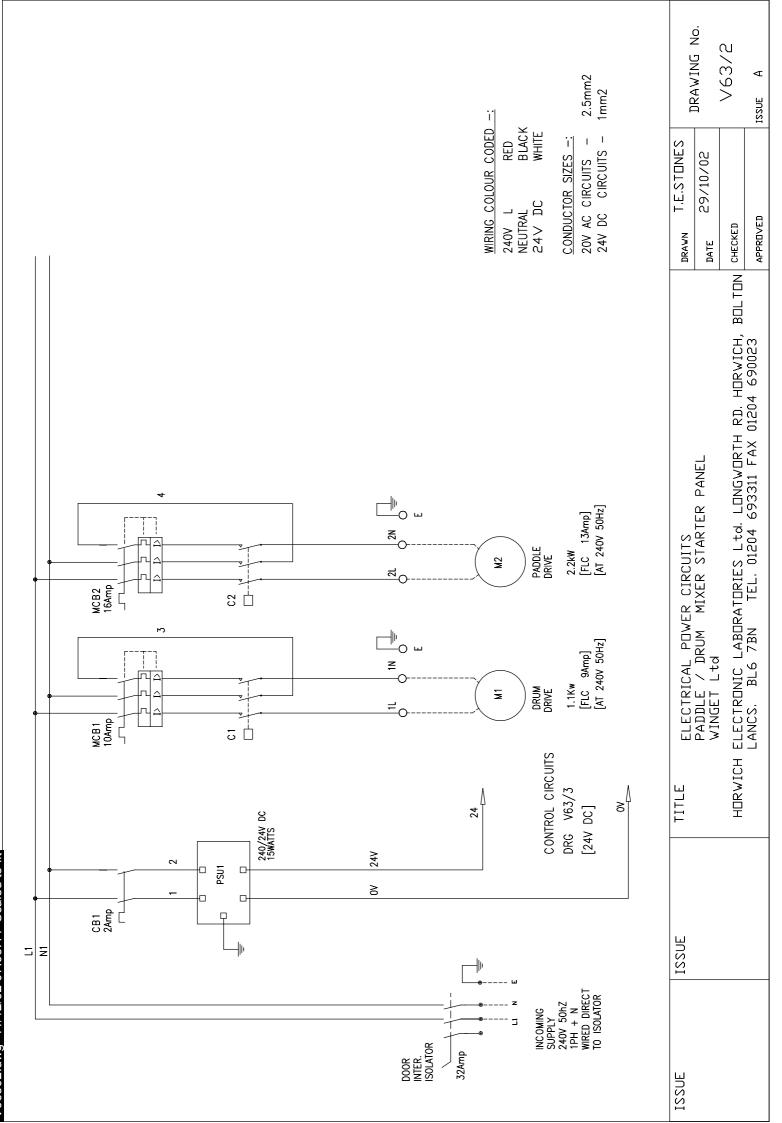
MAINTENANCE MANUAL

SECTION 6

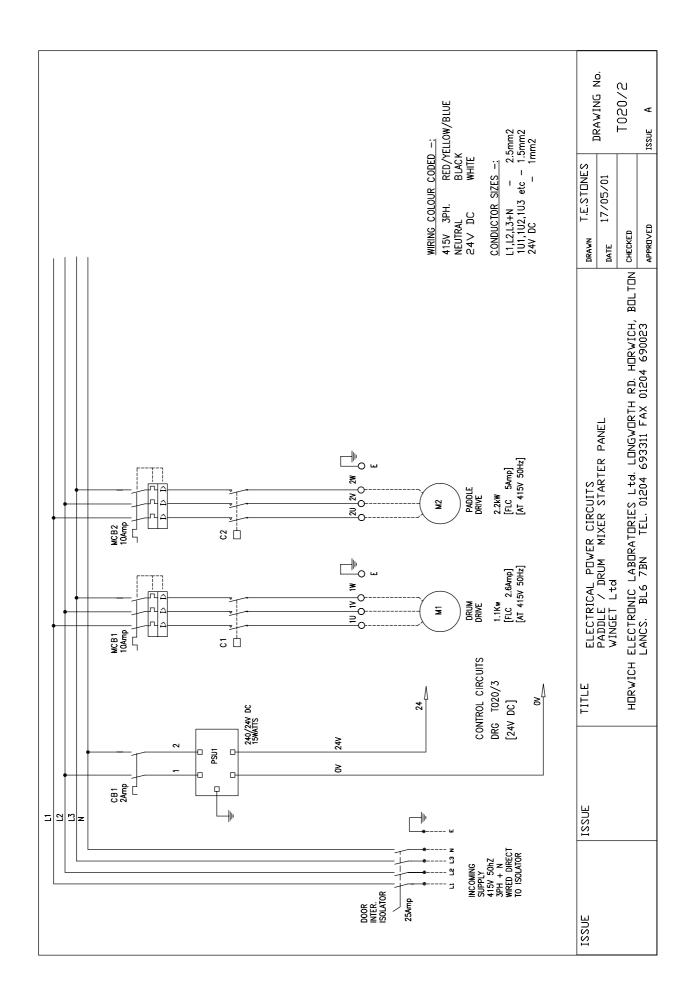
ELECTRICAL SYSTEM

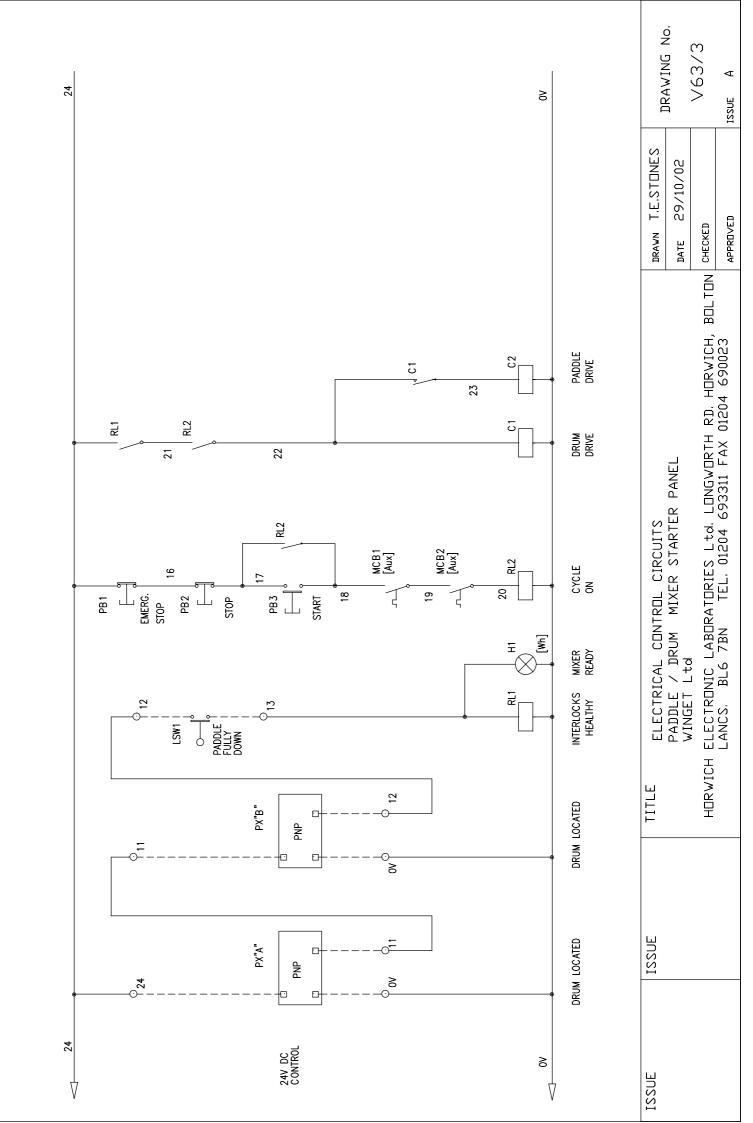


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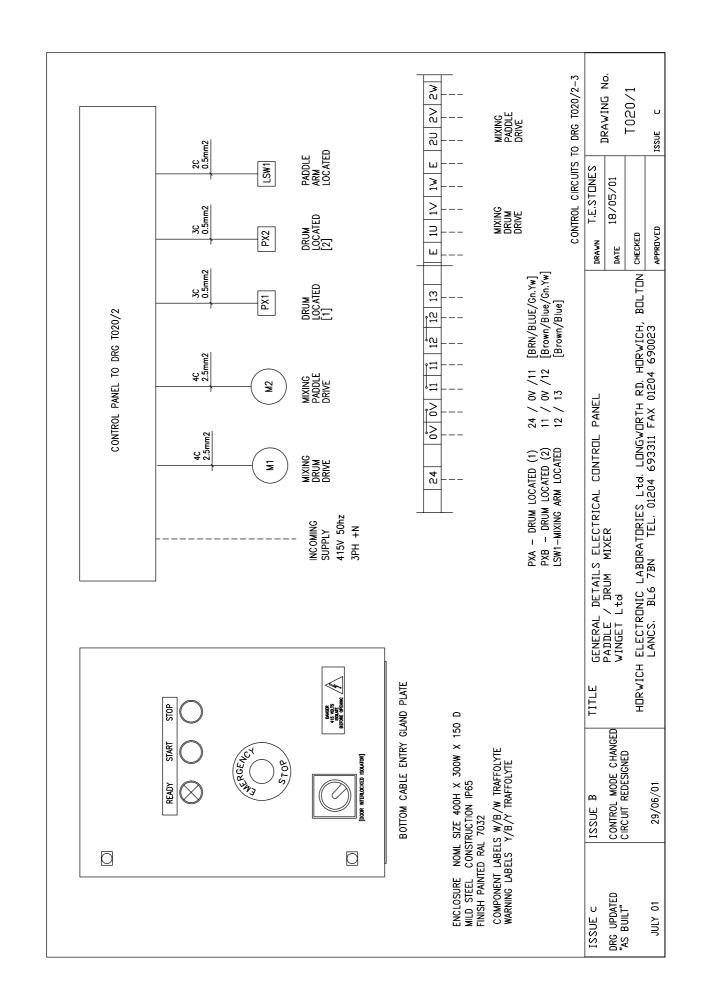


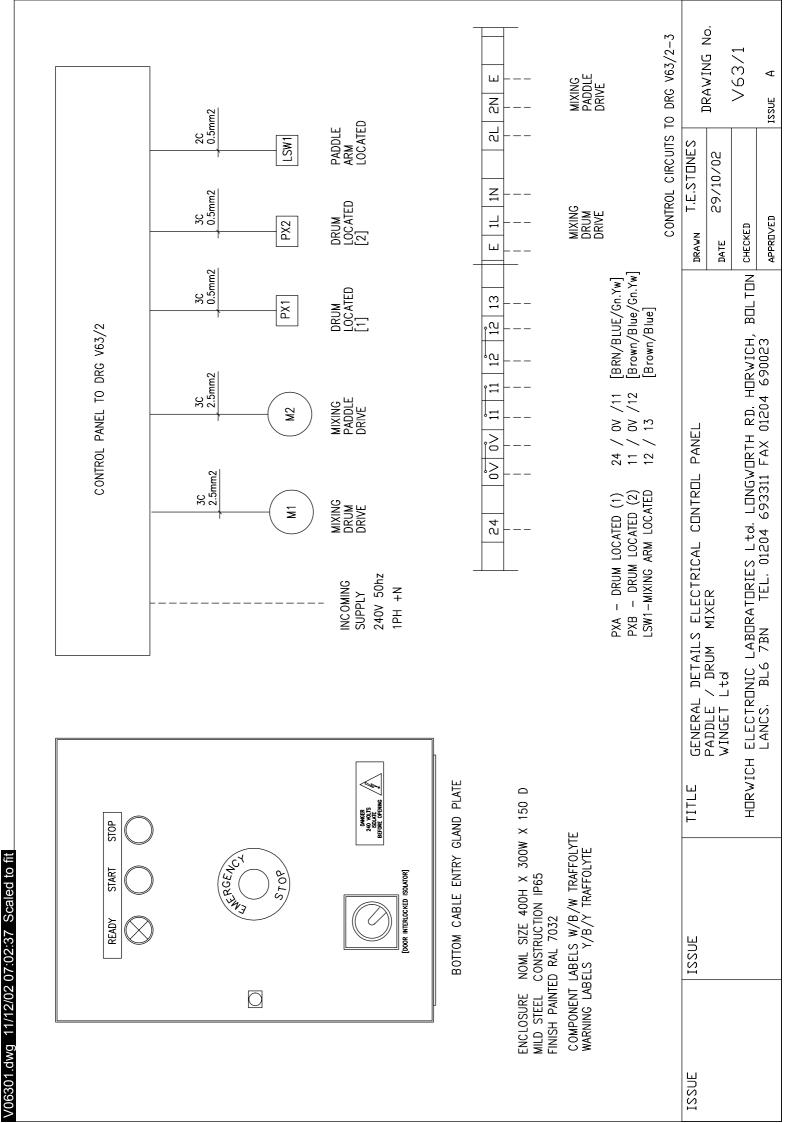
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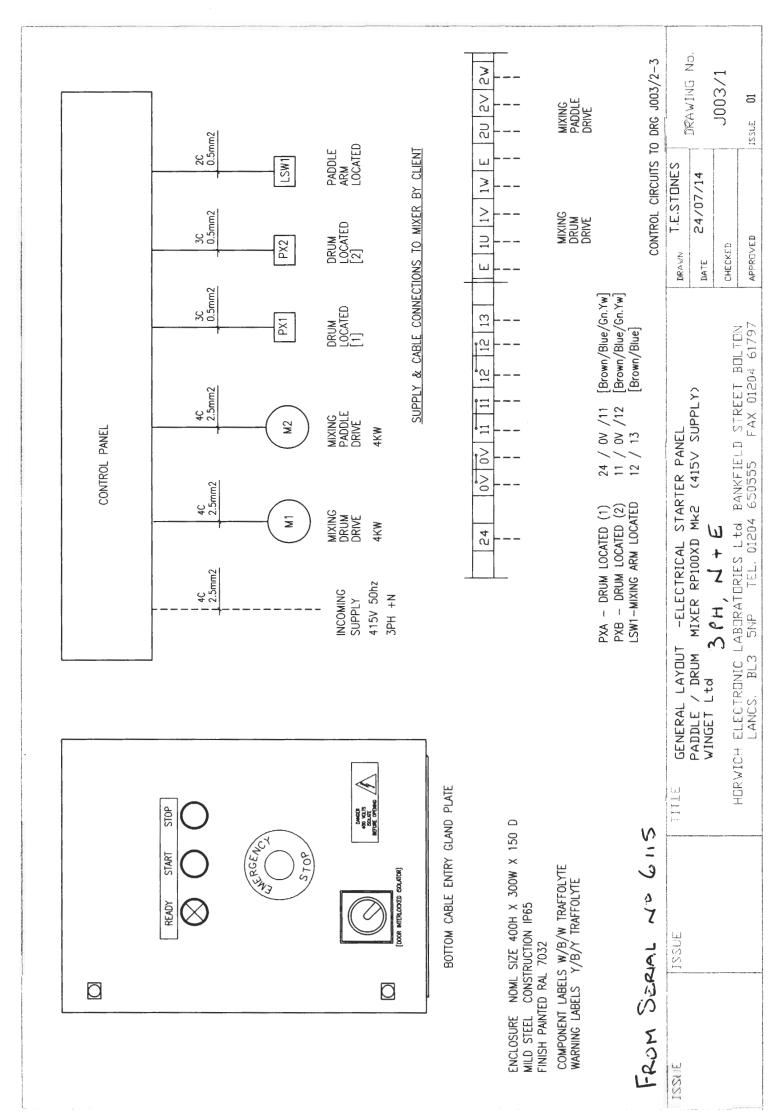


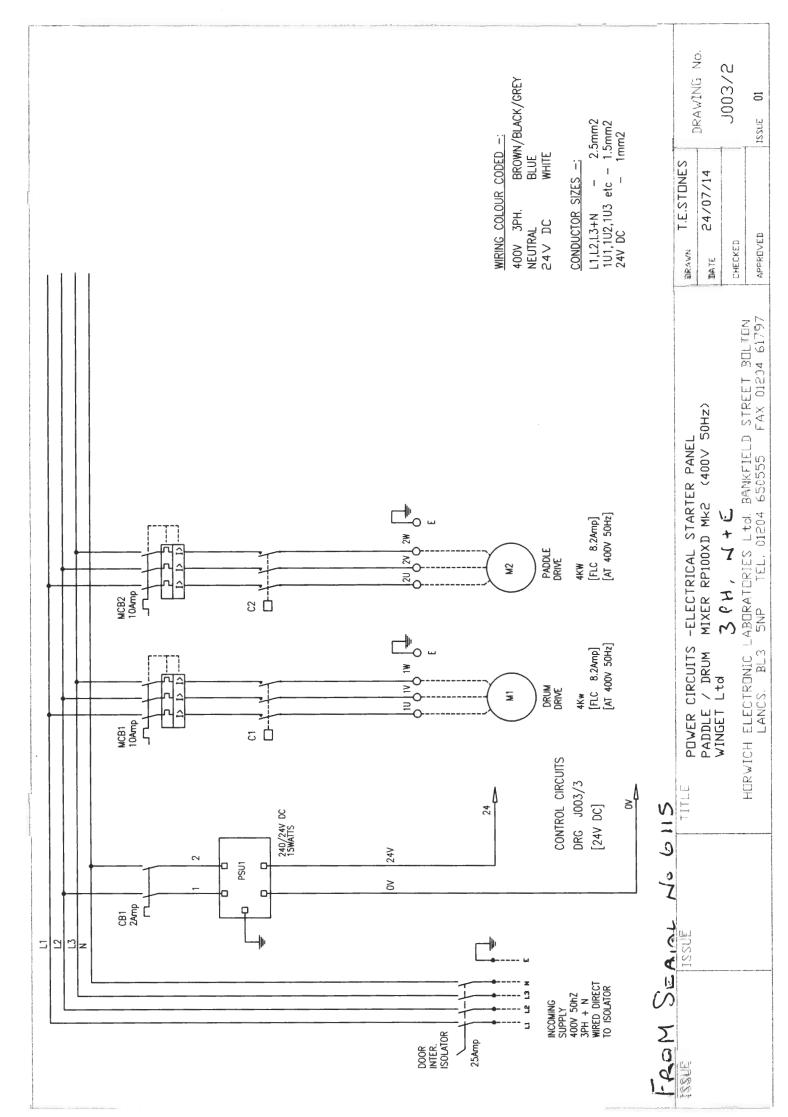
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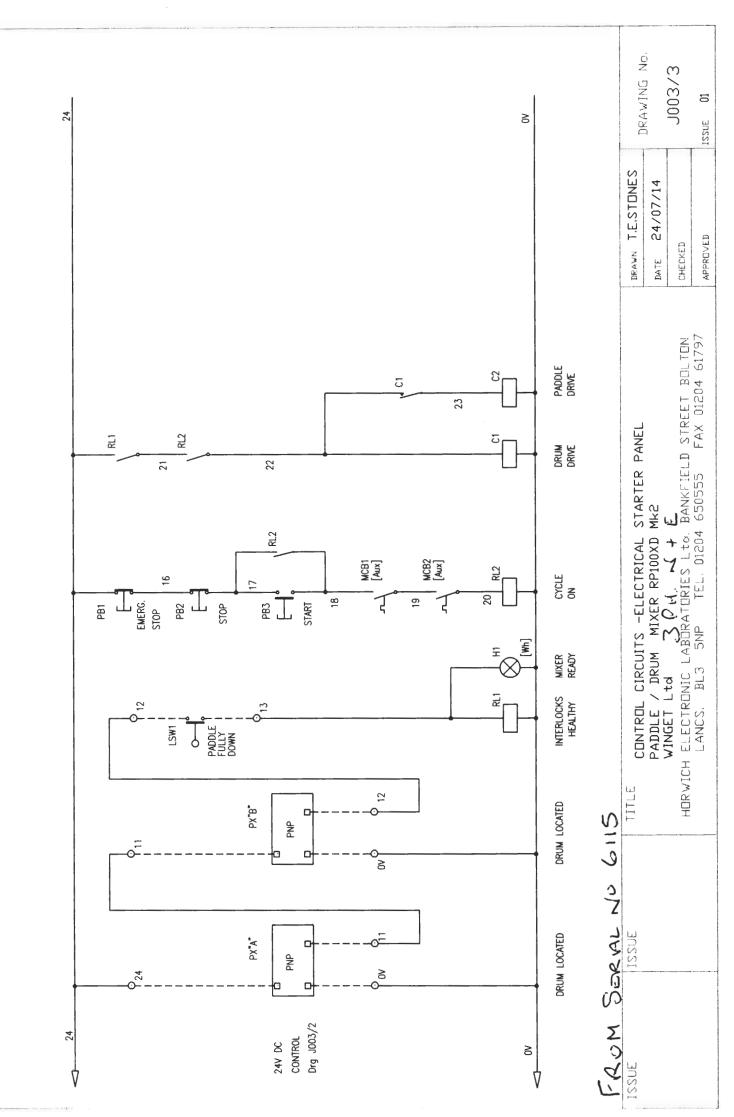
URER REMARKS			LLER		ELLER	ILLER	ILLER	LLER						LER.	LLER	LLER	LLER	S			LLER				-	DRAWN T.E.STONES	DATE 17/05/01 DIRAWING NO.
MANUFACTURER		ETA	KLOCKNER MOELLER	ABB	KLOCKNER MOELLER	KLOCKNER MOELLER	KLOCKNER MOELLER	KLOCKNER MOELLER	IDEC	KHUNKE	KHUNKE	KLIPPON		KLOCKNER MOELLER	KLOCKNER MOELLER	KLOCKNER MOELLER	KLOCKNER MOELLER	R.S.COMPONENTS	HEL	HEL	KLOCKNER MOELLER				-	<u> </u>	<u> </u>
TYPE /CDDE ND.		300 × 400 × 200 ST3 -415	V/SVB + N1-P2		PKZM0-4 +NHi-11	PKZM0-6.3 +NHi-11	C – PKZM	SE00-11-PKZ0	PS5R-B-24V	111.A4.24VDC	Z392.04	SAK 2,5		RPV+BE3+EK01	RDH -RT10 +BE3 +EK01	RD-11 +BE3 +EK10	RLF-WS+BE3+EF	193-4976	W/B/W TRAFFOLYTE	Y/B/Y TRAFFOLYTE	1AK-299					TS -ELECTRICAL CONTROL	STARTER PAN
Ë	120/1 -3	MILD STEEL ENCLOSURE	R INTER	CIRCUIT BREAKER 24mp	MOTOR CIRCUIT BREAKER		COMBINED MOUNTING PLATE	CONTACTOR	POWER SUPPLY 240/24VDC/50W	CONTROL RELAY 24V DC 4 POLE	RELAY BASE 14 PIN	TERMINALS		EMERGENCY STOP BUTTON	PUSHBUTTON RED	PUSHBUTTON GREEN	INDICATOR LAMP WHITE	FILAMENT BULB 28V	COMPONENT LABEL	WARNING LABEL [415V]	EM STOP LABEL					TITLE MATFRIAI PARTS LISTS	DRUM
T REFERENCES	CONTROL PANEL TO DRG 1		ISOL	CB1	MCB1	MCB2	MCB1/C1, MCB2/C2	C1,C2	PSU1	RL1-2inc	RL1-2inc	1	PANEL DOOR COMPONENTS	PB1	PB2	PB3	Н1	H1	I	-	Ι					ISSUE	
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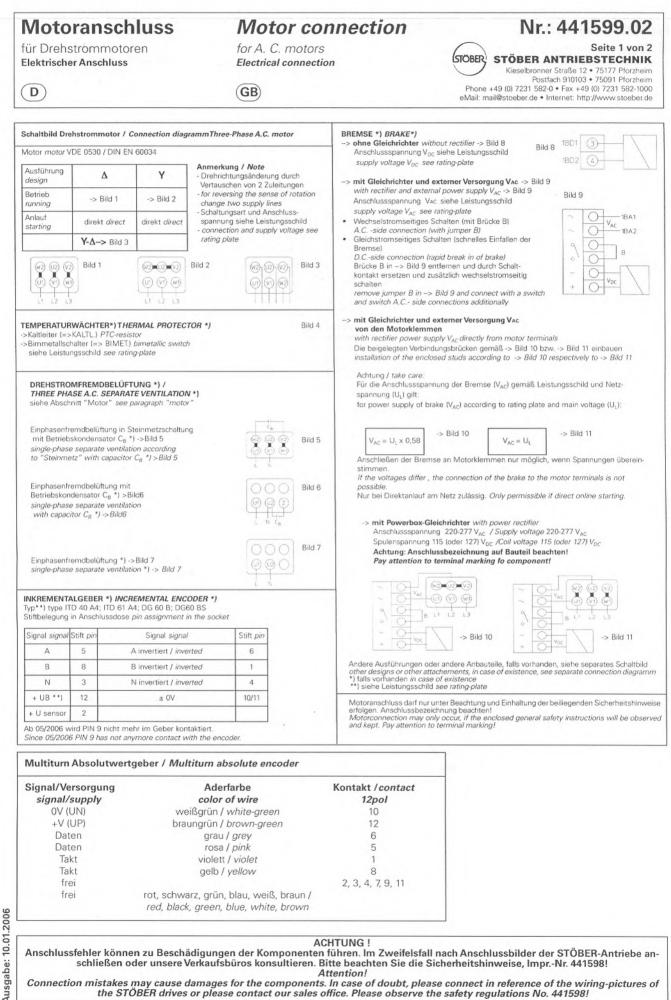
REMARKS																								T.E.STONES	29/10/02	
MANUFACTURER		ETA	ALUUNIER MUELLER	ABB	KLOCKNER MOELLER	KLOCKNER MOELLER	KLOCKNER MOELLER	KLOCKNER MOELLER	IDEC	KHUNKE	KHUNKE	KLIPPON		KLOCKNER MOFLLER	KINCKNER MOFILER	KLOCKNER MOELLER	KLOCKNER MOELLER	HEL	HEL	KLOCKNER MOELLER				DRAWN T	DATE 2	
TYPE /CODE NO.		300 × 100 × 200 ST3 -115			PKZM0-10 +NHi-11	PKZMO-16 +NHi-11	C – PKZM	SE00-11-PKZ0-24V DC	PS5R-B-24V	111.A4.24VDC	Z392.04	SAK 2,5		M22-PV-K01	M22-D-R+M22-K01	M22-D-G+M22-K10	M22-L-W+M22-LED230-W	W/B/W TRAFFOLYTE	Y/B/Y TRAFFOLYTE	M22-XBK1				TS -FLECTRICAL CUNTRUI	ER STARTER PANEL	
H	V63/1 -3	MILD STEEL ENCLOSUBE	CUCK INTERLUCKEU ISULATUR	UIRUUII BREAKER ZAMP	MOIOR CIRCUII BREAKER	MOTOR CIRCUIT BREAKER	COMBINED MOUNTING PLATE	CONTACTOR	240/24VDC/	CONTROL RELAY 24V DC 4 POLE	RELAY BASE 14 PIN	TERMINALS		EMERGENCY STOP BUTTON	N RED	PUSHBUTTON GREEN	INDICATOR LAMP WHITE	COMPONENT LABEL	WARNING LABEL [415V]	EM STOP LABEL				TITLE MATFRIAL PARTS LIS	. 7	
T REFERENCES	CONTROL PANEL TO DRG				MCB1		MCB1/C1, MCB2/C2	C1,C2	PSU1	RL1-2inc	RL1-2inc	1	PANEL DOOR COMPONENTS	PB1	PB2	PB.3	- T	1	1	I				ISSUE		_
ΩТΥ		~					2	2	-	2	7	1 SET		~			·	-	-	-				ISSUE		







(FROM DERAL No	2°615				-
QTΥ	CIRCUIT REFERENCES	DESCRIPTION	TYPE /CODE NO.	MANUFACTURER		REMARKS
	CONTROL PANEL TO DRG JC	J003/1-4				
		MILD STEEL ENCLOSURE	300 × 400 X 200 ST3 -415	ETA	_	
-	ISOL	DOOR INTERLOCKED ISOLATOR		KLOCKNER MOELLER		
-	ISOL	ISOLATOR 4TH POLE	N-PI Z	KLOCKNER MOELLER		
2	ISOL	ISOLATOR SHROUDS	HP1	KLOCKNER MOELLER		
-	CB1	CIRCUIT BREAKER 2AMP	S202M-C2	ABB		
	MOTOR STARTER ASSY					
2	MCB 1,2	MOTOR CIRCUIT BREAKER	PKZMO-10	KLOCKNER MOELLER		
2	MCB 1,2	MCB AUX CONTACTS	NHi-11-PKZ0	KLOCKNER MOELLER		
2		CONTACTOR	DILM12-10 24V DC	KLOCKNER MOELLER		
5	MCB1/C1, MCB2/C2	MOUNTING KIT	PKZM0-XDM12	KLOCKNER MOELLER		
-	PSU1	POWER SUPPLY 240/24VDC/30W	428-455	RS COMPONENTS		
2	RL1-2inc	CONTROL RELAY 24V DC 4 POLE	1111-A4-24V DC	KHUNKE		
2	RL1-2inc	RELAY BASE 14 PIN	2392-4	KHUNKE		
1 SET		TERMINALS	SAK 2,5	KLIPPON		
	PANEL DOOR COMPONENTS					
-	PB1	EMERGENCY STOP BUTTON	M22-PVT-K01	KI OCKNER MOFLIER		
_	PB2	PUSHBUTTON RED	M22-D-R+M22-K01	KLOCKNER MOELLER		
	PB3	PUSHBUTTON GREEN	M22-D-G+M22-K10	KLOCKNER MOELLER		
-		INDICATOR LAMP WHITE	M22-L-W+M22-LED24-W	KLOCKNER MOELLER		
-	1	COMPONENT LABEL	W/B/W TRAFFOLYTE	HEL	Drg J003/	13/4
-		WARNING LABEL [400V]	Y/B/Y TRAFFOLYTE	HEL		
-		EM STOP LABEL		KLOCKNER MOELLER		
1	155UE	TII -E MATERIAL PARTS LIS	STS – ELECTRICAL STARTER PANEL	IEL BRAWN	TESTONES	
		PADDLE / DRUM MIY WINGET Ltd	XER RP100XD	4 J	24/107/14	JOO3/PI 1
		HORWICH ELECTRONIC LABORAT	TORIES LAW BANKFIELD STREET BOLTON			



Ausgabe:

Motoranschluss

Elektrischer Anschluss polumschaltbar

für Drehstrommotoren

(D)

Motor connection

for A. C. motors Electrical connection pole-changing

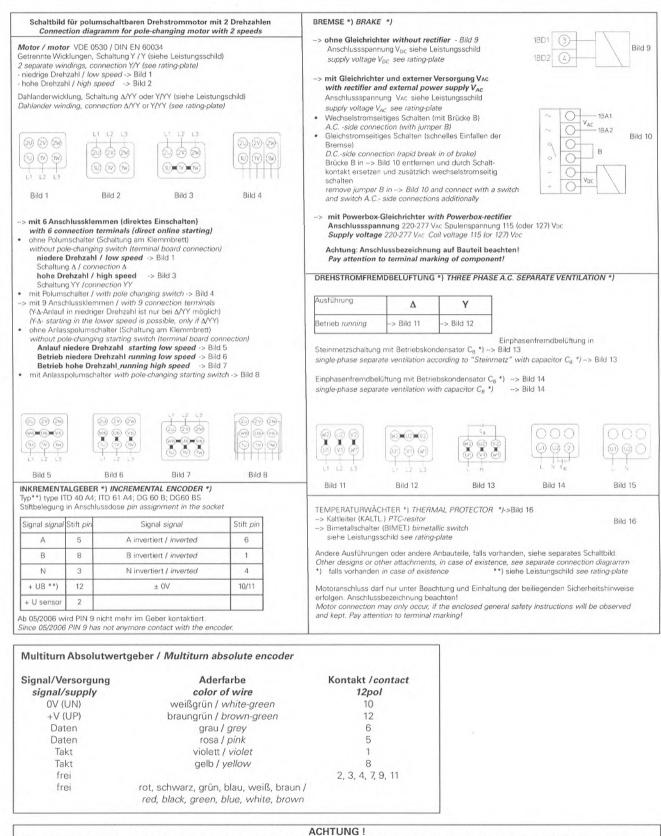
(GB)

Nr.: 441599.02

Seite 2 von 2

STÖBER **STÖBER ANTRIEBSTECHNIK** Kieselbronner Straße 12 • 75177 Pforzheim Postfach 910103 • 75091 Pforzheim

Phone +49 (0) 7231 582-0 • Fax +49 (0) 7231 582-1000 eMail: mail@stoeber.de • Internet: http://www.stoeber.de



Anschlussfehler können zu Beschädigungen der Komponenten führen. Im Zweifelsfall nach Anschlussbilder der STÖBER-Antriebe anschließen oder unsere Verkaufsbüros konsultieren. Bitte beachten Sie die Sicherheitshinweise, Impr.-Nr. 441598!

Attention!

Connection mistakes may cause damages for the components. In case of doubt, please connect in reference of the wiring-pictures of the STÖBER drives or please contact our sales office. Please observe the safety regulations No. 441598!

Ersatzteilliste

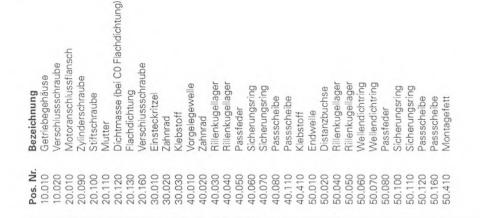
Spare Parts List

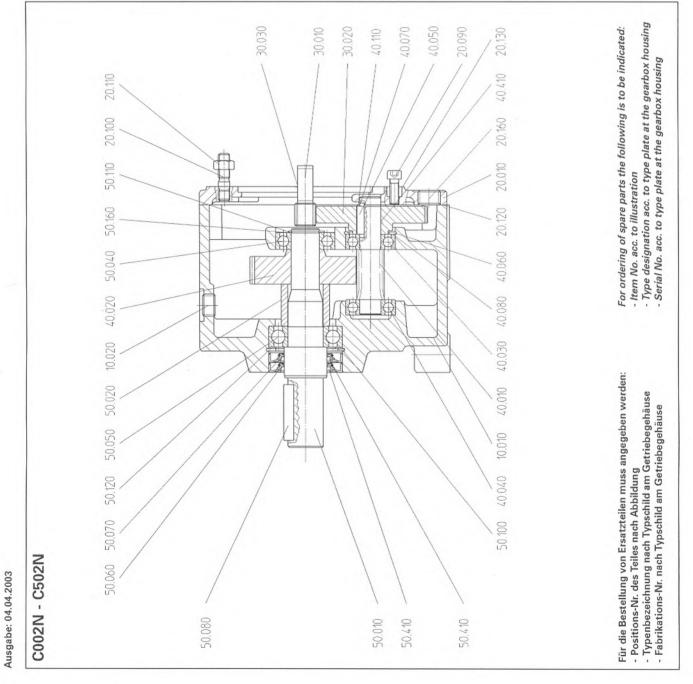
für Stirnradgetriebe - Fußausführung

for helical gear units foot mounting



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Ersatzteilliste

Spare Parts List

für Stirnradgetriebe - Fußausführung

for helical gear units foot mounting



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Deep-grooved ball bearing Deep-grooved ball bearing Feather key Spacer sleeve Deep-grooved ball bearing Deep-grooved ball bearing Screw plug Motor connection flange Nut Sealing compound (C0 with flat gasket) Cheese-head screw Locking screw stud Intermediate shaft Assembly grease Gearbox housing Screw plug Shank pinion Description Feather key Gear wheel Gear wheel Flat gasket Solid shaft Adhesive Adhesive Oil seal Oil seal Circlip Circlip Circlip Circlip Shim. Shim Shim Shim Item No. 10.010 10.020 20.010 20.100 20.110 20.120 20.120 20.130 20.160 30.070 30.070 30.020 30.020 30.020 40.070 40.070 50.080 50.070

OPERATING

AND

MAINTENANCE MANUAL

SECTION 7

MISCELLANEOUS

7.1 NOISE DETAILS

Measured in accordance with Article V of Directive 2000/14/EC and Schedule 8 of UKSI 2001/1701 Noise Emission in the Environment by Equipment for Use Outdoors, the noise levels should not exceed 105Lwa