



# HIRE FLEET







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# DOL STARTER SYSTEM

## TQM2KC-15 1.0KW TO 15KW

# HIRE IT TODAY:

### EXTERNAL FEATURES

- CONTROLS AND PROTECTS FROM 1KW TO 15KW
- FOR INTERNAL AND EXTERNAL APPLICATIONS
- LIFTING HOOK
- RAIN CANOPY
- SOCKET FOR MOTOR CONNECTION
- SOCKETS FOR FLOAT SWITCH OR ULTRASONIC LEVEL CONTROL
- 2 LINE LCD DIGITAL DISPLAY
- LOCAL / REMOTE SELECTOR SWITCH
- EMERGENCY STOP PUSHBUTTON
- LOAD BREAK ISOLATOR
- RUST RESISTANT PANEL
- RIGID FREE STANDING FRAME INTERNAL



### DIMENSIONS

- HEIGHT: 925mm
- WIDTH: 400mm
- DEPTH: 400mm

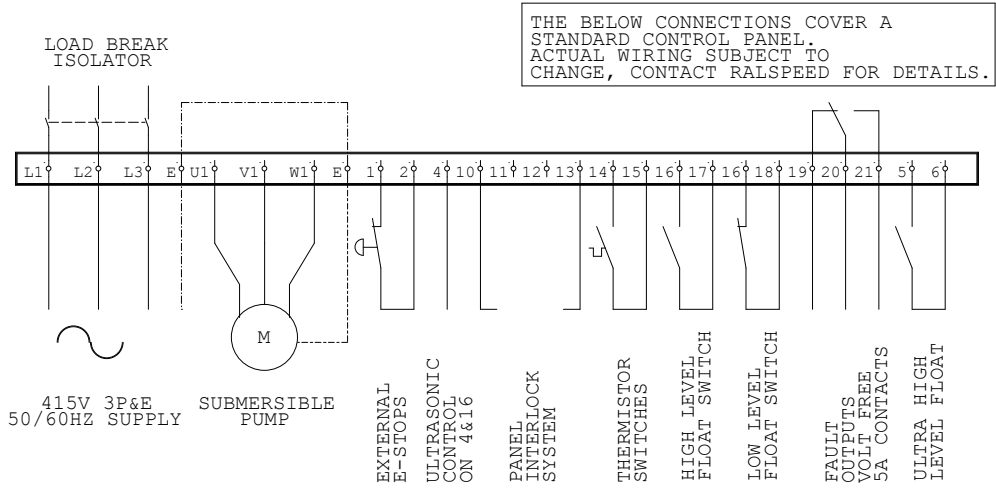


### INTERNAL FEATURES

- RALSPEED STARTER UNIT
- ROTARY KW OVERLOAD SELECTOR
- UP TO 12 OVERLOAD SETTINGS
- EARTH LEAKAGE PROTECTION
- CONTROL TERMINALS
- MOTOR TERMINALS
- FLOAT SWITCH TERMINALS
- EXTERNAL E/STOP FACILITY
- MAINS TERMINALS
- PRE-DRILLED GLAND PLATE
- MOTOR OVERHEAT PROTECTION
- INTER PANEL INTERLOCK SYSTEM
- PROVISION FOR RAL-TXT CONNECTION
- 1000 EVENT DATA LOGGER



**TQM2KC-15 1KW TO 15KW SOFT START**



## SOFT STARTER SYSTEM TQM2KC-56 18.5KW TO 56KW

# HIRE IT TODAY:

### EXTERNAL FEATURES

- CONTROLS AND PROTECTS FROM 18.5KW TO 56KW
- FOR INTERNAL AND EXTERNAL APPLICATIONS
- LIFTING HOOK
- RAIN CANOPY
- FLOAT SWITCH OR ULTRASONIC LEVEL CONTROL
- 2 LINE LCD DIGITAL DISPLAY
- LOCAL / REMOTE SELECTOR SWITCH
- EMERGENCY STOP PUSHBUTTON
- ISOLATOR
- RUST RESISTANT PANEL
- RIGID FREE STANDING FRAME



### DIMENSIONS

- HEIGHT: 1300mm
  - WIDTH: 600mm
  - DEPTH: 600mm
- Base to floor: 300mm



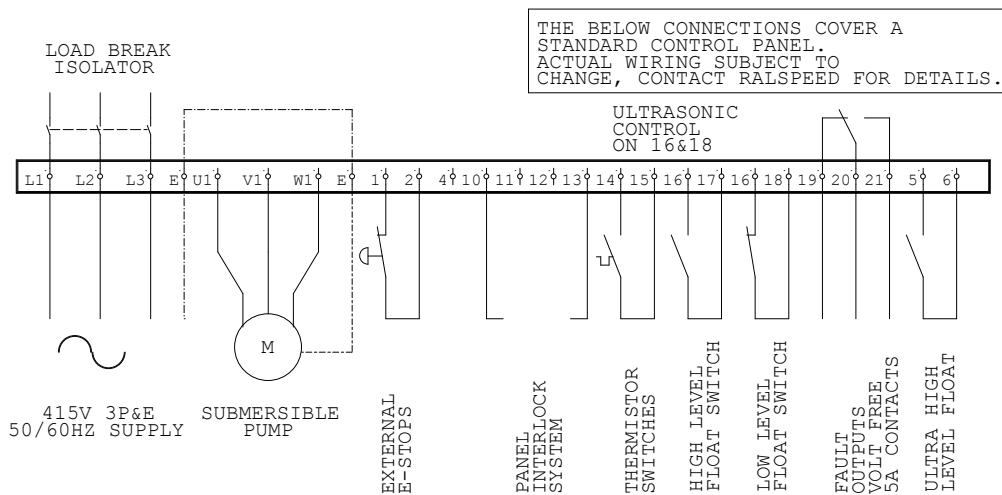
### INTERNAL FEATURES

- RALSPEED SOFT START UNIT
- MAIN CONTACTOR
- BYPASS CONTACTOR
- EARTH LEAKAGE PROTECTION
- CONTROL TERMINALS
- MOTOR TERMINALS
- TRANSFORMER
- MAINS TERMINALS
- PRE-DRILLED GLAND PLATE
- MOTOTR OVERHEAT PROTECTION
- PROVISION FOR RAL-TXT CONNECTION
- EXTERNAL E/STOP FACILITY
- 1000 EVENT DATA LOGGER





**TQM2KC-55 18.5KW TO 55KW SOFT START**



# SOFT STARTER SYSTEM TQM2KC-132 75KW TO 132KW

# HIRE IT TODAY:

## EXTERNAL FEATURES

- CONTROLS AND PROTECTS FROM 75KW TO 132KW
- FOR INTERNAL AND EXTERNAL APPLICATIONS
- LIFTING HOOK
- RAIN CANOPY
- FLOAT SWITCH OR ULTRASONIC LEVEL CONTROL
- 2 LINE LCD DIGITAL DISPLAY
- LOCAL / REMOTE SELECTOR SWITCH
- EMERGENCY STOP PUSHBUTTON
- ISOLATOR
- RUST RESISTANT PANEL
- RIGID FREE STANDING FRAME



## DIMENSIONS

- HEIGHT: 1600mm
- WIDTH: 930mm
- DEPTH: 700mm
- Base to floor: 400mm



## INTERNAL FEATURES

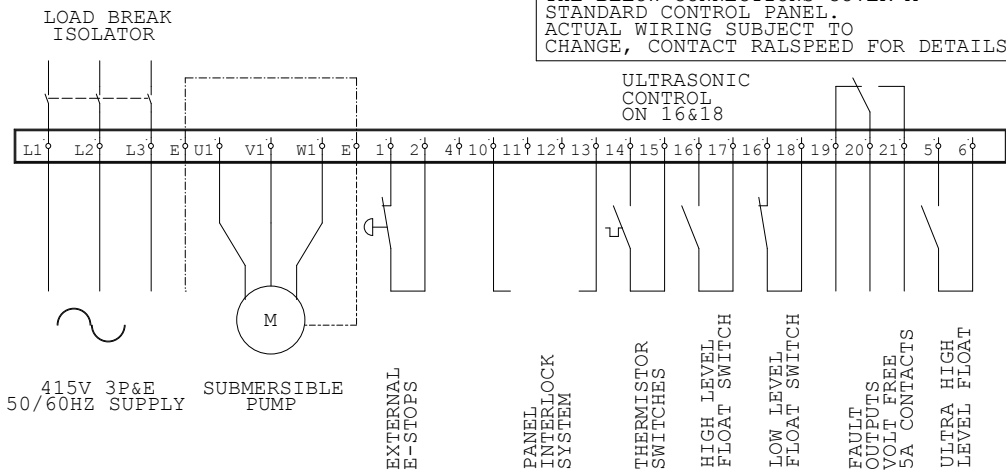
- RALSPEED SOFT START UNIT
- MAIN CONTACTOR
- BYPASS CONTACTOR
- EARTH LEAKAGE PROTECTION
- CONTROL TERMINALS
- MOTOR TERMINALS
- TRANSFORMER
- MAINS TERMINALS
- PRE-DRILLED GLAND PLATE
- MOTOR OVERHEAT PROTECTION
- PROVISION FOR RAL-TXT CONNECTION
- EXTERNAL E/STOP FACILITY
- 1000 EVENT DATA LOGGER





**TQM2KC-132 75KW TO 132KW SOFT START**

THE BELOW CONNECTIONS COVER A STANDARD CONTROL PANEL. ACTUAL WIRING SUBJECT TO CHANGE, CONTACT RALSPEED FOR DETAILS.



# SOFT STARTER SYSTEM TQM2KC-200 160KW TO 200KW

# HIRE IT TODAY:

## EXTERNAL FEATURES

- CONTROLS AND PROTECTS FROM 160KW TO 200KW
- FOR INTERNAL AND EXTERNAL APPLICATIONS
- LIFTING HOOK
- RAIN CANOPY
- FLOAT SWITCH OR ULTRASONIC LEVEL CONTROL
- 2 LINE LCD DIGITAL DISPLAY
- LOCAL / REMOTE SELECTOR SWITCH
- RIGID FREE STANDING FRAME
- PADLOCKABLE DOOR 'OVER CLASP' SYSTEM



## DIMENSIONS

- HEIGHT: 1600mm
  - WIDTH: 930mm
  - DEPTH: 700mm
- Base to floor: 400mm



## INTERNAL FEATURES

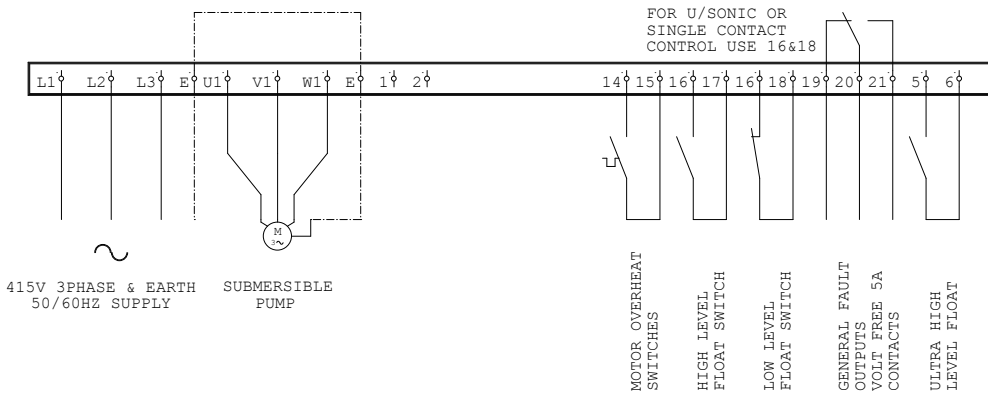
- RALSPEED SOFT START UNIT
- BYPASS CONTACTOR
- CONTROL TERMINALS
- MOTOR TERMINALS
- TRANSFORMER
- MAINS TERMINALS
- PRE-DRILLED GLAND PLATE
- MOTOR OVERHEAT PROTECTION
- PROVISION FOR RAL-TXT CONNECTION
- 1000 EVENT DATA LOGGER





**TQM2KC-200 160KW TO 200KW SOFT START  
 CUSTOMER CONNECTION DETAILS**

THE BELOW CONNECTIONS COVER A STANDARD CONTROL PANEL WITH OTHER OPTIONS AVAILABLE. ACTUAL WIRING CONFIGURATION SUBJECT TO CHANGE. CONTACT RALSPEED FOR MORE DETAILS.



# SOFT STARTER SYSTEM TQM2KC-500 250KW TO 500KW

# HIRE IT TODAY:

## EXTERNAL FEATURES

- CONTROLS AND PROTECTS FROM 250KW TO 500KW
- FOR INTERNAL AND EXTERNAL APPLICATIONS
- LIFTING HOOK
- RAIN CANOPY
- FLOAT SWITCH OR ULTRASONIC LEVEL CONTROL
- 2 LINE LCD DIGITAL DISPLAY
- LOCAL / REMOTE SELECTOR SWITCH
- RIGID FREE STANDING FRAME
- PADLOCKABLE DOOR SHUT 'OVER CLASPS'



## DIMENSIONS

- HEIGHT: 1800mm
- WIDTH: 1000mm
- DEPTH: 500mm



## INTERNAL FEATURES

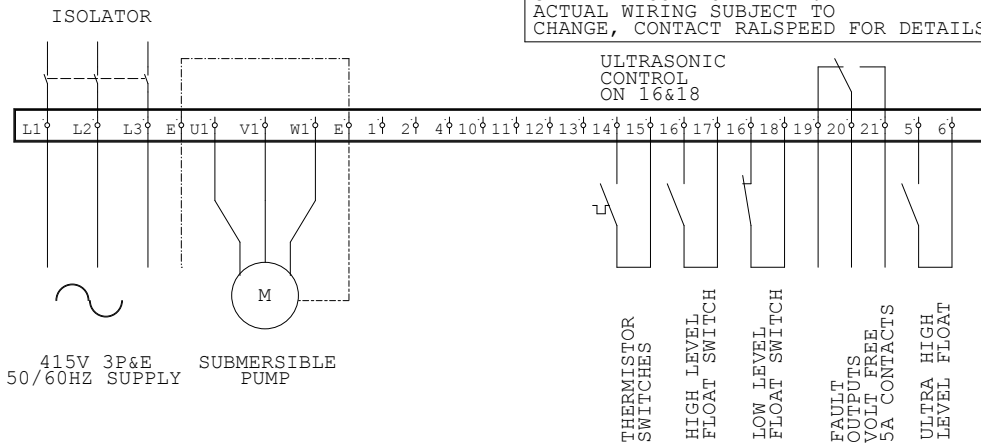
- RALSPEED SOFT START UNIT
- BYPASS CONTACTOR
- CONTROL TERMINALS
- MOTOR TERMINALS
- TRANSFORMER
- MAINS TERMINALS
- PRE-DRILLED GLAND PLATE
- MOTOR OVERHEAT PROTECTION
- PROVISION FOR RAL-TXT CONNECTION
- 1000 EVENT DATA LOGGER





TQM2KC-500 250KW TO 500KW SOFT START

THE BELOW CONNECTIONS COVER A STANDARD CONTROL PANEL. ACTUAL WIRING SUBJECT TO CHANGE, CONTACT RALSPEED FOR DETAILS.



# VARIABLE SPEED DRIVE (61A) TQM2KV-30 15KW TO 30KW

# HIRE IT TODAY:

## EXTERNAL FEATURES

- PADLOCKABLE 'DOOR SHUT' OVERCLASPS
- CONTROL AND PROTECT FROM 15KW TO 30KW
- FOR INTERNAL AND EXTERNAL APPLICATIONS
- LIFTING HOOK
- RAIN CANOPY
- FLOAT SWITCH CONTROL
- ULTRASONIC LEVEL CONTROL
- ISOLATOR
- LCD DIGITAL DISPLAY
- POTENTIOMETER
- EMERGENCY STOP
- RUNNING AND TRIPPED LED
- RESET PUSHBUTTON
- RUST RESISTANT PANEL
- RIGID FREE STANDING FRAME

## DIMENSIONS

- HEIGHT: 1400mm
- WIDTH: 600mm
- DEPTH: 600mm



## INTERNAL FEATURES

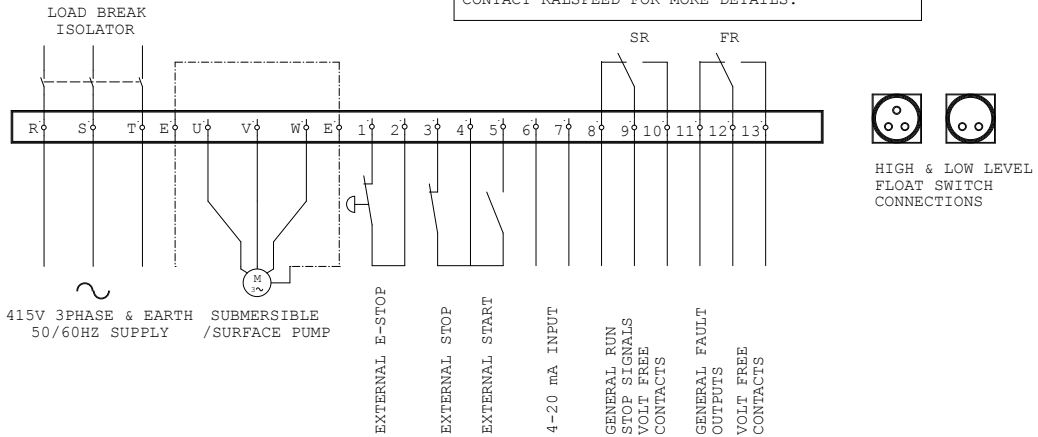
- VARIABLE SPEED DRIVE
- BUILT IN FAN AND FILTER
- MAIN CONTACTOR
- MAINS AND MOTOR TERMINALS
- CONTROL TERMINALS
- PRE-GLANDED FOR MAINS, MOTOR & CONTROL CABLES
- 4-20MA SPEED CONTROL (Auto)
- POTENTIOMETER SPEED CONTROL (Hand)
- 'DOOR CLOSED' SECURITY SYSTEM
- PROVISION FOR RAL-TXT CONNECTION
- EXTERNAL E/STOP FACILITY





TQM2KV-30 15KW TO 30KW VSD

THE BELOW CONNECTIONS COVER A STANDARD CONTROL PANEL WITH OTHER OPTIONS AVAILABLE. ACTUAL WIRING CONFIGURATION SUBJECT TO CHANGE. CONTACT RALSPEED FOR MORE DETAILS.



# VARIABLE SPEED DRIVE (105A) TQM2KV-56 37KW TO 56KW

# HIRE IT TODAY:

## EXTERNAL FEATURES

- PADLOCKABLE 'DOOR SHUT' OVERCLASPS
- CONTROL AND PROTECT FROM 37KW TO 56KW
- FOR INTERNAL AND EXTERNAL APPLICATIONS
- LIFTING HOOK
- RAIN CANOPY
- FLOAT SWITCH CONTROL
- ULTRASONIC LEVEL CONTROL
- ISOLATOR
- LCD DIGITAL DISPLAY
- POTENTIOMETER
- EMERGENCY STOP
- RUNNING AND TRIPPED LED
- RESET PUSHBUTTON
- RUST RESISTANT PANEL
- RIGID FREE STANDING FRAME

## DIMENSIONS

- HEIGHT: 1600mm
- WIDTH: 700mm
- DEPTH: 700mm



## INTERNAL FEATURES

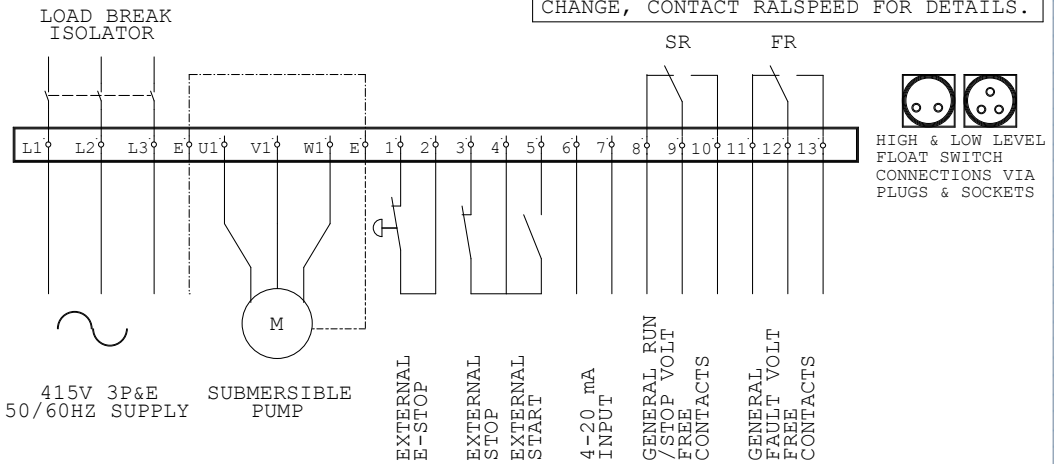
- VARIABLE SPEED DRIVE
- BUILT IN FAN AND FILTER
- MAIN CONTACTOR
- MAINS AND MOTOR TERMINALS
- CONTROL TERMINALS
- PRE-GLANDED FOR MAINS, MOTOR & CONTROL CABLES
- 4-20MA SPEED CONTROL (Auto)
- POTENTIOMETER SPEED CONTROL (Hand)
- 'DOOR CLOSED' SECURITY SYSTEM
- PROVISION FOR RAL-TXT CONNECTION
- EXTERNAL E/STOP FACILITY





TQM2KV-56 37KW TO 56KW VSD

THE BELOW CONNECTIONS COVER A STANDARD CONTROL PANEL. ACTUAL WIRING SUBJECT TO CHANGE, CONTACT RALSPEED FOR DETAILS.



# VARIABLE SPEED DRIVE (300A) TQM2KV-160 75KW to 160KW

# HIRE IT TODAY:

## EXTERNAL FEATURES

- PADLOCKABLE 'DOOR SHUT' OVERCLASPS
- CONTROL AND PROTECT FROM 75KW TO 160KW
- FOR INTERNAL AND EXTERNAL APPLICATIONS
- LIFTING HOOK
- RAIN CANOPY
- FLOAT SWITCH CONTROL
- ULTRASONIC LEVEL CONTROL
- LCD DIGITAL DISPLAY
- POTENTIOMETER
- RUST RESISTANT PANEL
- RIGID FREE STANDING FRAME

## DIMENSIONS

- HEIGHT: 2100mm
- WIDTH: 1000mm
- DEPTH: 500mm



## INTERNAL FEATURES

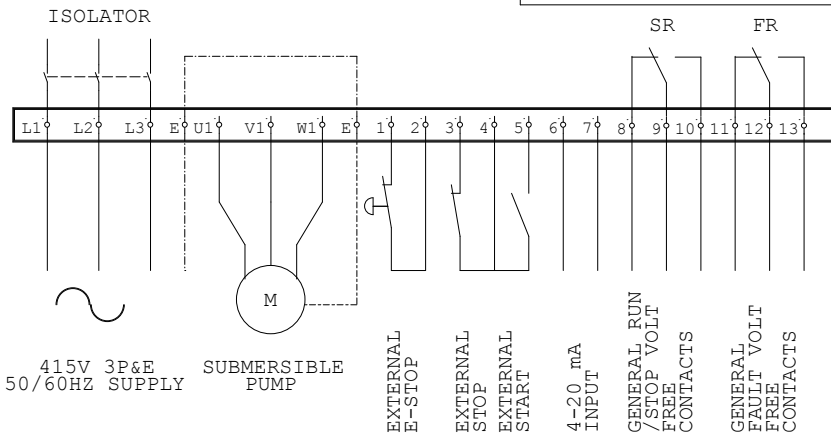
- VARIABLE SPEED DRIVE
- BUILT IN FAN AND FILTER
- MAINS AND MOTOR TERMINALS
- CONTROL TERMINALS
- PRE-GLANDED FOR MAINS, MOTOR & CONTROL CABLES
- 4-20MA SPEED CONTROL (Auto)
- POTENTIOMETER SPEED CONTROL (Hand)
- 'DOOR CLOSED' SECURITY SYSTEM
- PROVISION FOR RAL-TXT CONNECTION





TQM2KV-160 75KW TO 160KW VSD

THE BELOW CONNECTIONS COVER A STANDARD CONTROL PANEL. ACTUAL WIRING SUBJECT TO CHANGE, CONTACT RALSPEED FOR DETAILS.



# VARIABLE SPEED DRIVE (385A) TQM2KV-200 185KW TO 200KW

# HIRE IT TODAY:

## EXTERNAL FEATURES

- PADLOCKABLE 'DOOR SHUT' OVERCLASPS
- CONTROL AND PROTECT FROM 185KW TO 200KW
- DOOR INTERLOCKED ISOLATOR
- FOR INTERNAL APPLICATIONS
- LIFTING FACILITY
- MAIN CONTACTOR
- FLOAT SWITCH CONTROL
- ULTRASONIC LEVEL CONTROL
- LCD DIGITAL DISPLAY
- LOCAL/REMOTE FACILITY
- POTENTIOMETER
- RUST RESISTANT PANEL
- EMERGENCY STOP FACILITY
- ENERGY METER

## DIMENSIONS

- HEIGHT: 2100mm
- WIDTH: 1000mm
- DEPTH: 600mm



## INTERNAL FEATURES

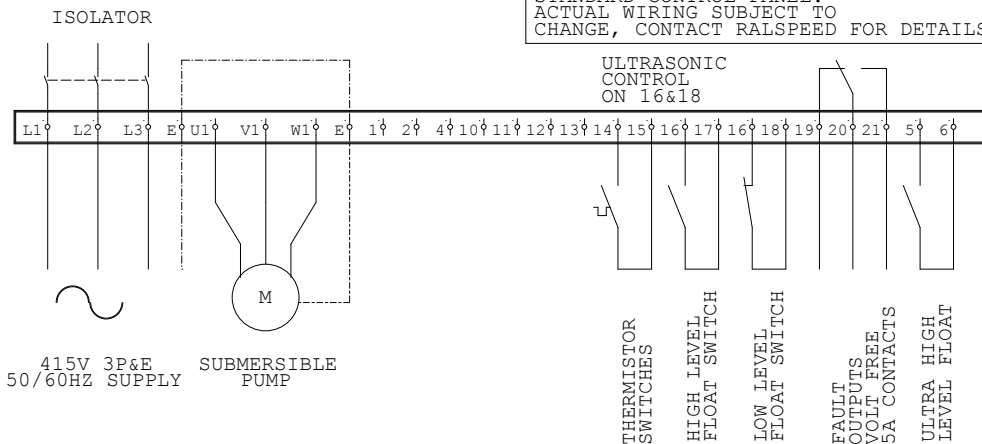
- VARIABLE SPEED DRIVE
- BUILT IN FAN AND FILTER
- MAINS AND MOTOR TERMINALS
- CONTROL TERMINALS
- PRE-GLANDED FOR MAINS, MOTOR & CONTROL CABLES
- 4-20MA SPEED CONTROL (Auto)
- POTENTIOMETER SPEED CONTROL (Hand)
- 'DOOR CLOSED' SECURITY SYSTEM
- PROVISION FOR RAL-TXT CONNECTION
- EXTERNAL E/STOP FACILITY





TQM2KC-200 185KW TO 200KW SOFT START

THE BELOW CONNECTIONS COVER A STANDARD CONTROL PANEL. ACTUAL WIRING SUBJECT TO CHANGE, CONTACT RALSPEED FOR DETAILS.



# VARIABLE SPEED DRIVE (520A) TQM2KV-280 200KW TO 280KW

# HIRER TODAY:

## EXTERNAL FEATURES

- PADLOCKABLE 'DOOR SHUT' OVERCLASPS
- CONTROL AND PROTECT FROM 200KW TO 280KW
- DOOR INTERLOCKED ISOLATOR
- FOR INTERNAL APPLICATIONS
- LIFTING FACILITY
- MAIN CONTACTOR
- FLOAT SWITCH CONTROL
- ULTRASONIC LEVEL CONTROL
- LCD DIGITAL DISPLAY
- LOCAL/REMOTE FACILITY
- POTENTIOMETER
- RUST RESISTANT PANEL
- EMERGENCY STOP FACILITY
- ENERGY METER

## DIMENSIONS

- HEIGHT: 2100mm
- WIDTH: 1000mm
- DEPTH: 600mm



## INTERNAL FEATURES

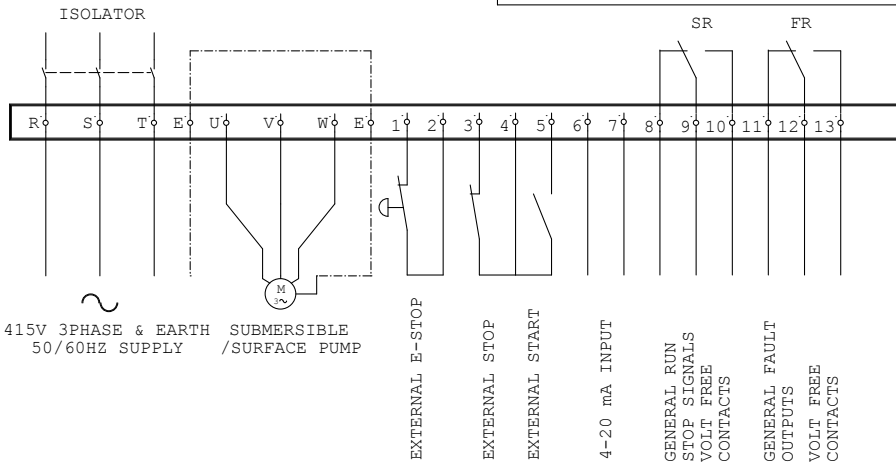
- VARIABLE SPEED DRIVE
- BUILT IN FAN AND FILTER
- MAINS AND MOTOR TERMINALS
- CONTROL TERMINALS
- PRE-GLANDED FOR MAINS, MOTOR & CONTROL CABLES
- 4-20MA SPEED CONTROL (Auto)
- POTENTIOMETER SPEED CONTROL (Hand)
- 'DOOR CLOSED' SECURITY SYSTEM
- PROVISION FOR RAL-TXT CONNECTION
- EXTERNAL E/STOP FACILITY





TQM2KV-280 200KW TO 280KW VSD

THE BELOW CONNECTIONS COVER A STANDARD CONTROL PANEL WITH OTHER OPTIONS AVAILABLE. ACTUAL WIRING CONFIGURATION SUBJECT TO CHANGE. CONTACT RALSPEED FOR MORE DETAILS.



# ULTRA-SONIC LEVEL CONTROLLER TQM2K-U/S

# HIRE TODAY:

## EXTERNAL FEATURES

- CONTROLS UP TO 6 STARTERS OR VSD'S
- FOR INTERNAL AND EXTERNAL APPLICATIONS
- LIFTING HOOK
- RAIN CANOPY
- LOAD BREAK DOOR INTERLOCKED ISOLATOR
- DOOR MOUNTED HYDRORANGER 200 CONTROLLER
- ULTRA-SONIC HEADS (XRS5 OR XPS10 OPTIONS)
- RUST RESISTANT PANEL
- RIGID FREE STANDING FRAME
- PADLOCKABLE DOOR CLOSE 'OVER CLASPS'



## DIMENSIONS

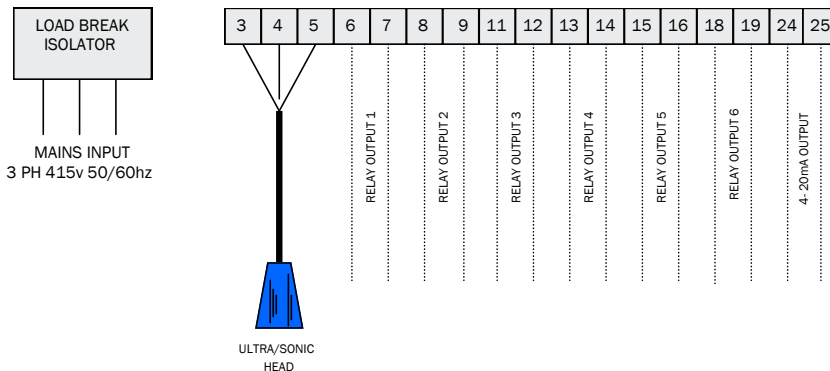
- HEIGHT: 925mm
- WIDTH: 400mm
- DEPTH: 400mm



## INTERNAL FEATURES

- 110VAC CONTROL TRANSFORMER
- MCB PROTECTION FOR CONTROL CIRCUIT
- CONTROL TERMINALS
- MAINS TERMINALS
- PRE-DRILLED GLAND PLATE
- HAND HELD PROGRAMMER
- DOOR CLOSE SECURITY SYSTEM
- PROVISION FOR RAL-TXT CONNECTION

## CUSTOMER CONNECTIONS





**THE GSM SYSTEM** IS A SELF CONTAINED INTELLIGENT MONITORING DEVICE, WHICH CAN INFORM YOU OF ALARM STATES OF REMOTE, UNMANNED EQUIPMENT. YOU CAN THEN REMOTELY CONTROL YOUR PROCESS VIA YOUR MOBILE OR LANDLINE.

**MAIN FEATURES/BENEFITS**

- BE INFORMED AND IN CONTROL
- SIMPLE DEVICE—EASY TO CONFIGURE
- AUTOMATIC MESSAGE SENT ON POWER AND RE-CONNECTION
- PROGRAM SCHEDULED EVENTS
- PROGRAM UP TO 100 USER-DEFINED EVENTS
- WORKS ON A LOW COST PAYG SIM CARD
- SWITCH REMOTELY WITH FULL SECURITY AND FEEDBACK
- LOCAL AND REMOTE CONFIGURATION

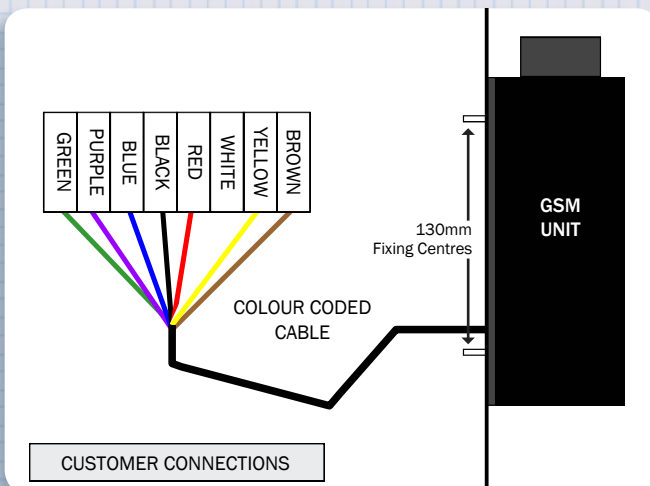
**CORE FEATURES**

- 8 x DIGITAL INPUTS
- 1 X RELAY OUTPUT
- SEND SMS, EMAILS OR JUST “RING”
- OUTPUT CONTROL BY CALLER ID SECURE “CALL”, DTMF OR SMS
- REMOTE CONFIGURATION
- TIMED EVENTS
- BATTERY BACKUP (OPTION)
- STATUS SMS
- SUPERVISOR CONTROL



**RAL-TXT**

- CAN BE FITTED TO EXISTING STARTER PANELS
- STANDARD SETTING HIGH LEVEL ALARM, START, TRIP, SPARE AND PHONE BACK TO RESET STARTER
- ALL HIRE STARTER PANELS HAVE MOUNTING FACILITIES AND TERMINALS FROM 2009
- COLOUR CODED CONNECTIONS IN ALL HIRE PANELS MANUFACTURED FROM 2009
- EXTRA INPUTS AVAILABLE
- EXTERNAL AERIAL FITTED
- POWER SUPPLY 24vac (ALREADY SUPPLIED IN ALL HIRE PANELS FROM 2009)
- 2M FLYING LEAD (LONGER LEAD AVAILABLE UPON REQUEST)
- WALL MOUNTING BRACKETS AVAILABLE
- CAN BE RETROFITTED TO EARLIER RALSPEED PANELS



**DIMENSIONS**

- HEIGHT: 185mm
- DEPTH: 70mm
- WIDTH: 125mm
- Fixings: 130mm

## **QUANTIFY ENERGY SAVINGS RELIABLY WITH RALSPEED**

**To provide companies with a reliable, accurate and convenient way of analysing their usage of electrical energy, and to quantify the savings made by introducing energy efficiency measures, we are now offering sophisticated portable energy recorders for short-term hire at very competitive rates.**

The data can then be analysed and graphed using Propower software, which is supplied as part of the hire package, to reveal, for example, total kWh used over period, the time and duration of peak energy usage and a whole range of additional information that helps to identify the areas that offer the best opportunities for implementing energy saving measures.

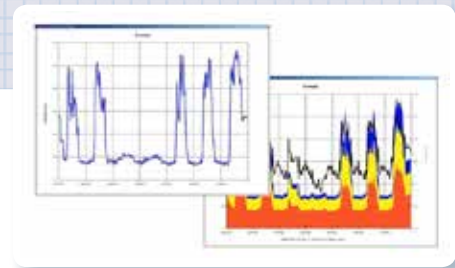
“Our new hire service provides companies with a very inexpensive way of gaining a detailed understanding of their energy usage,” said Ralspeed Managing Director, “which is the key to maximising energy savings. In addition, the Profiler can also be used after energy saving measures have been put in place to confirm their effectiveness. In short, the Profiler takes the guesswork out of optimising energy efficiency.”

To ensure that it is safe and easy to use, the Profiler energy recorder uses innovative technology that avoids the need to make electrical connections to the circuits being monitored. The unit senses voltage via an ordinary

13 A plug that can be plugged into any convenient socket, while for current sensing it uses three flexible open-ended coils, which the user simply wraps around the phase conductors for the circuit under test. This arrangement means that the disturbance to the electrical installation is minimal, and the risk of electric shock is eliminated.

Ralspeed complements its energy recorder hire service with comprehensive technical support and advice. The company is happy to provide guidance on the best locations to install the recorder and to advise on the interpretation of the results. On the basis of those results, it can also suggest effective energy saving measures and, in many instances, supply the equipment needed to achieve those savings.





Graphs showing results of energy tests

### **SYSTEM/SPECIFICATION**

**Profile** unit 95 x 195 x 45 mm with integral LCD, weight 0.5 kg  
Integration period user selectable 30, 15, 10, 5, 1 mins or 10, 2 secs

**Data storage** 30 mins : 12 weeks, 15 mins : 6 weeks etc

**Profile IV** auto ranges to 6, 120, 500 & 2000 Amps

**Profile V** as IV plus with auto HV facility

3 flexible Rogowski coils, internal capacity  $\sim \varnothing$  50mm, 0-2000 Amps range LV power lead [standard 13 Amp plug], unit will operate 95V to 265V RS232 data transfer lead.

Carry case, User Manual and installation guide.

**Propower PP2** (latest version) Software with User Guide

**Options** available include pulse input adaptor and fused mains lead/probes for switchgear use.

An additional software package, **Reporter Professional**, provides further data analysis including tariff costing of the data recorded and other graphical outputs.

Data can also be retrieved over a site network thus enabling the monitoring of remote locations from a central PC.





**Ralspeed can now offer a fully customised, bespoke designed, motor control solution manufactured in a self contained mobile unit.**

Any of our control systems can now be supplied within a robust and secure container, this provides the customer with a complete control room that can be mobile if required and takes away the need to construct a specific, fixed and usually costly plant room. These control systems include;

- Soft start units
- Variable speed drive systems

- PLC controllers
- Ultra-Sonic level controllers
- Multi-pump control networks
- Remote monitoring systems, GSM telemetry networks
- Or any combination of the above

Each container can be manufactured to a customer's specific requirement, from a basic container shell with some simple controls to a temperature controlled working plant room.



#### **Basic Specification**

- Robust container in 10ft, 20ft and 40ft sizes
- Secure locking door with insurance rated padlock
- Removable cable entry gland plates
- Robust coating finished to standard colour of choice
- Timber, marine standard floor
- Over head lifting points

#### **Additional Options**

- Ventilation intake filters and outlets
- Air conditioning

- Anti-condensation heaters
- Temperature/Thermostat controlled
- Internal lighting and/or emergency lighting system
- Ply lining options
- Fork lifting pockets
- Rubber flooring
- Work and storage space/units

These units are available from Ralspeed for purchase or long term hire. Also ask for details on our standard units available for hire now!



# ENERGY SAVING - COUNTING THE COST

## WHAT IS AN AC DRIVE?

An AC drive or Variable Speed Drive (VSD) is a device that can control the speed of an electric motor. Most conventional motors run at full speed only, but a VSD equipped unit means it can run at a variable rate. This allows a motor to drive a fan or a pump at a speed appropriate to the requirements of the process.

## WHAT USE AN AC DRIVE?

Because energy and motor speed are exponentially related, even a relatively small reduction in speed can result in a significant energy saving. Fitting an AC drive to a motor is an attractive cost-saving project for many businesses, as it can provide quick results and a relatively short payback period.

## HOW CAN RALSPEED HELP?

Motor driven systems are major energy users. A motor running at a typical commercial or industrial site for 4,000 hours a year has an annual electricity cost of about 10 times its capital cost. Motors consume an estimated two-thirds of electrical energy used by industry, so even modest efficiency gains can deliver substantial savings.

Fitting an AC drive will enable you to control the motor speed in order to match the requirements of the application, a 20% speed reduction can result in a power reduction close to 50%. Furthermore, a drive is relatively simple to install or retrofit.

**KEY FACT A MOTOR RUNNING 11 HOURS A DAY AT A TYPICAL SITE COSTS TEN TIMES MORE IN ELECTRICITY THAN ITS CAPITAL COSTS.**

## TRY BEFORE YOU BUY:

Ralspeed carry an extensive stock of drives for general hire purposes.

**We also offer these units on a:**

**“2 week free trial basis”**

For energy saving evaluation purposes. This means the actual energy and cost savings can be proven before the capital for a variable speed drive is raised.

Being more cost efficient makes sound economic sense because using less energy lowers operating costs. From an environmental perspective, its an effective way for businesses to cut carbon emissions and, in turn, combat climate change.

## HOW THE GOVERNMENT WILL HELP YOU?

**Enhanced capital allowances:**

The eca scheme provides business with 100% first year tax relief on their qualifying expenditure. The

Energy Technology List (ETL) specifies the energy saving technologies that are included in the eca scheme.

The scheme allows businesses to write off the whole cost of equipment against taxable profits in the year of purchase. This can provide a cash flow boost and an incentive to invest in energy saving equipment which normally carries a price premium when compared to non-energy saving alternatives.

## The carbon trust:

The carbon trust is a private company set up by the government in response to the threat of climate change. It offers advice on reducing carbon emissions and has been set up to help businesses fund energy saving projects by means of interest free loans of which payment can be off-set by savings on your energy bill.

These energy saving loans are a cost effective way to replace or upgrade your existing equipment with a more energy efficient alternative.

Small or medium sized enterprises (sme's) in England and Scotland, or all businesses in Wales\* that have been trading for at least 12 months, could borrow from £5,000 to £100,000. It is unsecured, interest free and re-payable over a period of up to 4 years. There are no arrangement fees and applying is straight forward.

*\*Subject to eligibility. Regional variations apply.*

## THE NEXT STEP:

**RALSPEED can assist you every step of the way:**

- ENERGY SAVING CALCULATION
- FREE DRIVES AUDIT AND SITE SURVEY
- CARBON TRUST LOAN APPLICATIONS MOTOR MANAGEMENT GUIDANCE FULL TURNKEY SOLUTIONS
- AFTER SALES SUPPORT AND SERVICE

## ENERGY SAVING CALCULATIONS:

**To obtain a free energy saving calculation please provide the following data:**

- MOTOR POWER
- RUN HOURS/DAYS/WEEKS/YEARS
- PRICE PER KW (ON-PEAK/OFF-PEAK ETC)

**... AND RALSPEED WILL DO THE REST !**

**KEY FACT A 20% SPEED REDUCTION CAN RESULT IN A POWER REDUCTION OF CLOSE TO 50%**



# TERMS AND CONDITIONS OF HIRE

## 1 DEFINITIONS

In this document the following words shall have the following meanings:

- 1.1 "The Owner" means the company, firm or person hiring out the Equipment;
- 1.2 "The Hirer" means the company, firm or person who hires the Equipment from the Owner;
- 1.3 "The Equipment" means; any product agreed to be hired from Ralspeed either manufactured product or distributed product.
- 1.4 "The Site" means the premises or site specified by the Hirer where the Equipment is to be used.

## 2 GENERAL

2.1 These Terms and Conditions shall apply to all contracts for the hire of the Equipment by the Owner to the Hirer to the exclusion of all other terms and conditions referred to, offered or relied on by the Hirer unless the Hirer specifically states in writing, separately from such terms, that it wishes such terms to apply and this has been acknowledged by the Owner in writing.

2.2 Any variation to these Terms and Conditions (including any special terms and conditions agreed between the parties) shall be inapplicable unless agreed in writing by the Owner.

2.3 By accepting the Equipment at the Site the Hirer is agreeing to these Terms and Conditions unless otherwise agreed in writing.

## 3 COMMENCEMENT

The period of hire shall commence from the time that the Equipment leaves the Owner's premises or other agreed location and shall continue until returned to the Owner's premises or other agreed location or termination of hire is confirmed in writing if the Owner is to collect.

## 4 DELIVERY AND RETURN

4.1 Unless otherwise agreed in writing, the Hirer is responsible for loading, transporting and unloading the Equipment at the Site and on its return to the Owner and for all costs incurred in connection therewith, and any driver or operator supplied by the Owner shall be deemed to be under the Hirer's control and shall comply with all directions of the Hirer. It is agreed that all goods should be returned to the agreed location within 48 hours of termination of hire unless the Owner is collecting.

4.2 Upon delivery of the Equipment, any defects or dissatisfaction must be notified immediately to the Owner and confirmed in writing within 2 working days. In the absence of such notification the Equipment shall be deemed to be in good order in accordance with the terms of the contract and to the Hirer's satisfaction.

## 5 HIRER'S OBLIGATIONS

The Hirer must:

- 5.1 use the Equipment in a skilful and proper manner and not use the Equipment for any purpose beyond its capacity;
- 5.2 regularly check the condition of the Equipment during the period of hire. The Hirer shall be responsible for any damage or loss arising from the continued use of Equipment in an unsafe condition;
- 5.3 during the period of hire ensure the security and safekeeping of the Equipment;
- 5.4 allow the Owner access to inspect, repair or replace the Equipment upon reasonable notice at any time;
- 5.5 immediately inform the Owner of any breakdown of the Equipment or any problem affecting the working of the Equipment;
- 5.6 not repair the Equipment without the prior written consent of the Owner;
- 5.7 read any relevant operating and safety instructions supplied with the Equipment and only use the Equipment or fit any accessories in accordance with those instructions;
- 5.8 unless otherwise agreed in writing by the Owner, keep the Equipment in its own possession at the Site;
- 5.9 return the Equipment in the same condition as when it was supplied to the Hirer, reasonable wear and tear excepted. Equipment not returned will be charged for at the manufacturer's current published list price. Hire fees will continue to be charged up to the time the Equipment is paid for in full;
- 5.10 not sell or offer for sale, assign, mortgage, pledge, re-hire or lend the Equipment to any third party without written consent from the Owner;
- 5.11 comply with any relevant Government or Local Authority Regulations.

## 6 BREAKDOWN AND REPAIRS

6.1 Where the breakdown of the Equipment is caused by fair wear and tear or by a fault in the Equipment or where stoppage occurs in the course of carrying out normal repairs, full allowance for the hire charges will be made to the Hirer, any claims to be considered from the time and date of notification by the Hirer.

6.2 Where the breakdown of the Equipment is caused as a result of the negligence or misuse by the Hirer, the Hirer shall be responsible for all loss or damage incurred by the Owner arising from any breakdown and for the payment of the hire charges during the period the Equipment is inoperable due to such breakdown.

6.3 Where the Owner decides to carry out urgent repairs to the Equipment during the period of hire, the Owner shall be obliged to replace the Equipment with equipment of a similar type and the Owner shall be liable for all transport costs involved. Where no replacement equipment is available the Owner shall be entitled to terminate the hire immediately by notice in writing to the Hirer. The Owner shall be liable for all transport costs where termination

occurs within 3 months of the start of the period of hire and for the costs of loading and returning the Equipment where termination occurs more than 3 months after the start of the period of hire.

## 7 CHARGING

The Equipment may be hired out on the basis outlined in Schedule 1 to this agreement. All Equipment is hired on the basis of payment within the agreed credit terms of the Owner's monthly invoice.

## 8 TERMINATION

8.1 Where there is no fixed period of hire, the period of hire may be terminated by either party giving to the other 7 days' notice in writing and the Hirer's obligations under this agreement shall continue until the Equipment is returned to the Owner.

8.2 If the Hirer defaults in the prompt payment of any sum due under this agreement or is in breach of any of the Terms and Conditions of this agreement, or is declared insolvent, or convenes a meeting of or makes or proposes to make any arrangement or composition with its creditors or if the Hirer shall do or cause to be done or permit or suffer any act or thing whereby the rights of the Owner in the Equipment may be prejudiced or put in jeopardy, the Owner shall be entitled to terminate the hire immediately by notice in writing to the Hirer and it shall thereupon be lawful for the Owner to retake possession of the Equipment and for that purpose to enter into or upon any premises where the same may be and the termination of the hire under this clause shall not affect the right of the Owner to recover from the Hirer any monies due to the Owner under this agreement or damages for breach thereof.

## 9 LIABILITY

9.1 The Owner shall not be liable for any loss or damage arising from any cause beyond its reasonable control.

9.2 The Owner shall not be liable to the Hirer or any third party for any indirect or consequential loss of profit, consequential or other economic loss suffered by the Hirer howsoever caused, as a result of any negligence, breach of contract, misrepresentation or otherwise.

9.3 The liability of the Owner with respect to any claims arising out of the hire shall be limited to replacement of the Equipment with similar Equipment or at the Owner's option termination of this contract and restitution of the amount of any charges paid with respect to any period for which the Equipment was inoperable.

9.4 Nothing in these Terms and Conditions shall exclude or limit the liability of the Owner for death or personal injury caused as a result of the Owner's negligence, breach of contract or otherwise.

## 10 INSURANCE

The Hirer shall be responsible for insuring the Equipment against loss, damage or theft. The Equipment shall be insured for the manufacturer's current published list price. Commencement of such shall be when the equipment leaves the Owner and terminating when the equipment is offloaded at Owners premises.

## 11 INDEMNITY

The Hirer agrees to indemnify and hold the Owner and its employees and agents harmless from and against all liabilities, legal fees, damages, losses, costs and other expenses in relation to any claims or actions brought against the Owner by any person whatsoever for injury to person or property caused by or in connection with or arising out of the storage, transit, transport, unloading, loading or use of the Equipment during the period of hire.

## 12 SEVERANCE

If any term or provision of these Terms and Conditions is held invalid, illegal or unenforceable for any reason by any court of competent jurisdiction such provision shall be severed and the remainder of the provisions hereof shall continue in full force and effect as if these Terms and Conditions had been agreed with the invalid, illegal or unenforceable provision eliminated.

## 13 GOVERNING LAW

These Terms and Conditions shall be governed by and construed in accordance with the law of England and the parties hereby submit to the exclusive jurisdiction of the English courts.

## SCHEDULE 1

Basis of Charging

Charging basis

Equipment may be hired for a minimum period of 1 week - without any qualification as to minimum hours. Additional days shall be charged pro rata.

Daily charging basis, unlimited hours

The Hirer shall be charged the full daily rate.

Weekly charging basis, unlimited hours

The Hirer shall be charged the full weekly rate.

Breakdown Periods

Where the breakdown of the Equipment is caused by fair wear and tear or by a fault in the Equipment full allowance for the hire charges will be made to the Hirer. Breakdown time in respect of such periods shall be allowed for not more than 8 hours per day less the actual hours worked.

"All-in" Rates

Where "all-in" rates are charged by agreement the minimum period shall be as agreed between the parties and in accordance with the hire rates as agreed.

# **RALSPEED** MOTOR CONTROL SYSTEMS

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