

Manor Farm Industrial Estate,  
Flint, Flintshire CH6 5UY

**PLEASE COMPLETE AND RETURN AS SOON AS POSSIBLE  
TO ALLOW DESIGN/MANUFACTURE TO PROGRESS**

Telephone +44 (0)1352793222  
Email: orders@tvcl.co.uk

TVC Quote No.

Company Name

Company Contact

Address

Delivery Address  
(if different from  
above)

Customer Job No.

Site Reference

The above references will be  
added to all documentation  
including drawings

Note: this document will be the official document used to configure your controller. Complete it carefully as any changes may result in additional cost and delayed delivery. Any features requested in this document that are not already included in the quotation may be subject to a price increase.

### **REQUIREMENTS**

Please complete the attached questionnaire and supply all relevant information in order that the lift control panel(s) may be designed and manufactured. Inaccurate or incomplete information may delay delivery.

For Modernisation jobs, all application data on existing equipment and any requirements not covered on the quotation should be recorded and attached to this form.

Please contact TVC if any questions arise regarding the required data.

Authorised By: \_\_\_\_\_

Print Name: \_\_\_\_\_ Date: \_\_\_\_\_

**TVC cannot accept this document unless signed and dated**

Internal use only. TVC contract number:

## MAINS SUPPLY


Volts

Phase

Hz

Is a Suitable  
Neutral Available?Yes  
4 WireNo  
3Wire

## LIFT MACHINE

PLEASE SUPPLY MOTOR MANUFACTURER DATA SHEET FOR  
APPLICATION OR COMPLETE DETAILS BELOW

Data Sheet attached

No

Yes

Motor data sheet ref number

Proceed to NEXT SHEET

## MOTOR

Manufacturer	
Type	
V	
Hz	
RPM	
KW	
Full Load Current	
Flywheel/Heavy Brake Coupling	Yes No

We will assume the answer is no, however, if yes,  
please supply full details including dimensions & material type

## APPLICATION DETAILS

Car Speed	m/s	
Roping	1:1	2:1
Sheave Diameter	mm	
Gear Type	Geared	Gearless
Gear Ratio	/	
Motor RPM Required to Achieve Contract Speed		

## BRAKE

Lift Voltage	Vdc	Lift Current	A
Hold Voltage	Vdc	Hold Current	A

Method of Brake release  
during rescue operation

Mechanical

Electrical

## PULSE ENCODER (Closed Loop Only)

1024PPR 10-30Vdc Push/Pull Complimentary  
1024PPR 10-30Vdc Differential RS422 Line Driver  
4096PPR 5Vdc Differential RS422 Line Driver  
2048PPR 5Vdc EnDat Absolute Multi-Turn  
Other (Please provide details)


Pulses per Revolution

Voltage

Output  
Configuration

PPR

V

## MOTOR FAN

Electrical Motor Fan

Yes

No

Voltage

V

Current

A

Phases

Note: All new Sassi motors require a  
230V 0.14A 1Phase motor fan

**DOOR CONTROL**

No of Car Entrances

1

2

If 2 entrances

Non-Selective  
Door OpeningSelective  
Door Opening**Select Type**

Fully Automatic Car &amp; Landing

☐Complete **SECTION A** below only

Manually Operated Car &amp; Landing

☐Complete **SECTION B** below only

Fully Automatic Car &amp; Manually Operated Landing

☐Complete **SECTIONS A & B** below**CAR DOOR OPERATOR****SECTION A****Select Type**

GAL VVVF

☐

Is GAL HA (Fault Monitoring) Unit Fitted

Yes

No

FERMATOR VVVF

☐

SEMATIC VVVF

☐

Select Type

SDS

F28

F29

SELCOM VVVF

☐

Select Type

SUPRA

MIDI

ECO

SIEMENS

☐

Select Type

AT18

AT25

AT40

OTHER

☐

Provide Details

**RETIRING RAMP****SECTION B**

Voltage

Vdc

Power Rating

W

**SPECIAL DOOR CONTROL REQUIREMENTS**

Please specify any special door control requirements

**DIGITAL POSITION INDICATORS****24Vdc****Select Manufacturer****Specify Type**

Dewhurst

Stentorgate

ILE 4 Wire Serial

A&amp;A Omega 4

Drucegrove

Digital Advance

Other

**Standard position indicator signals**

Floor Position, Lift Direction,

Lift on Fire Control,

Lift Overloaded, Lift Out of Service

Please provide a list of any additional  
indicator messages

Displays fitted at:

Car

☐

Main Floor

☐

All Floors

☐*(If free issue encoder, please ensure we receive  
the unit at least two weeks before despatch date,  
if not, we reserve the right to dispatch the  
contract minus the free issue equipment fitted)*Battery Backed Up Indicator Supply  
(Lift out of service message)

Y

N

*If selected, TVC standard Back up duration is for 3 Hours*Discrete Hall Lantern Arrows  
(Not driven by the Digital Display system)

Y

N

*Please provide details***SPEECH UNIT****24Vdc****Select Manufacturer**

Dewhurst

Stentorgate

ILE

Drucegrove Digitalker

Digital Advance

Other

**Standard speech unit signals**

Floor Position, Doors Opening, Doors Closing,

Lift Direction, Lift on Fire Control,

Lift Overloaded, Lift Out of Service

Please provide a list of any additional  
speech messages

Specify Manufacturer &amp; Type

**SPECIAL REQUIREMENTS**

Please specify any additional indicator/speech/gong requirements

**LIFT SETUP / APPLICATION**

No of Floors

**Please insert floor markings**

Front Entrances

Rear Entrances  
(If applicable)

Floor Height (M)

(3M floor heights will be assumed if not specified)

Main (Homing) Floor

Control System

Simplex

Duplex

Group

HCD  
Navigator*If Duplex, Group or HCD system and all lifts do not serve all floors, please supply full details of entrance layout*

Full Collective

Down Collective

Non-Selective Collective

FAPB Control

**LIFT POSITIONING SYSTEM****VPD – Vector Positioning Device**Lifts with  
relevellingAbsolute  
PositionAuto Shaft  
LearnFirefighting  
Applications

Speeds up to:

**Select  
preferred  
Option**

✗

✓

✓

✗

1.6 m/s

*Utilising signals from the motor encoder in a closed-loop VEC traction lift system, Vector Position Device (VPD) offers a simple, low-cost position solution. Shaft equipment is minimised with only door zone switches being required.***GPD – Governor Position Device**Lifts with  
relevellingAbsolute  
PositionAuto Shaft  
LearnFirefighting  
Applications

Speeds up to:

**Select  
preferred  
Option**

✓

✓

✓

✓

2.98 m/s

*The TVC combined governor and encoder system offers an absolute position option with minimal shaft equipment. Ideal for scenic lifts where minimal shaft equipment is desired but when high performance is required. Shaft equipment is minimised with only door zone switches being required.***LIMAX – Shaft Mounted Tape System**Lifts with  
relevellingAbsolute  
PositionAuto Shaft  
LearnFirefighting  
Applications

Speeds up to:

**Select  
preferred  
Option**

✓

✓

✓

✓

6.0 m/s

The Limax uses a shaft mounted tape system, please specify the Tape length required

 M*The Elgo LIMAX shaft position system is an easy-to-install, high performance system suitable for all applications. Requires door zone switches in the lift shaft.*

## CONTROLLER OPTIONS

Please select all options required to be included within the TVC control system

Remote OSG Trip Solenoid interface	<input type="checkbox"/>	Voltage:	<input type="text"/> V										
Remote OSG Reset Solenoid interface	<input type="checkbox"/>	Voltage:	<input type="text"/> V										
Digital Handwind Unit	<input type="checkbox"/>												
Eco-mode	<input type="checkbox"/>												
Panel mounted Emergency Stop switch	<input type="checkbox"/>												
Unintended Car Movement Protection	<input type="checkbox"/>	Achieved by:	<table border="1"> <tr> <td>Dual Lift Brake</td> <td rowspan="3"> <table border="1"> <tr> <td>Manufacturer</td> <td>Solenoid Voltage V</td> </tr> <tr> <td colspan="2">Please provide details</td> </tr> </table> </td> </tr> <tr> <td>OSG Solenoid</td> <td></td> </tr> <tr> <td>Other</td> <td></td> </tr> </table>	Dual Lift Brake	<table border="1"> <tr> <td>Manufacturer</td> <td>Solenoid Voltage V</td> </tr> <tr> <td colspan="2">Please provide details</td> </tr> </table>	Manufacturer	Solenoid Voltage V	Please provide details		OSG Solenoid		Other	
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Please provide details													
OSG Solenoid													
Other													
Swipe Card interface	<input type="checkbox"/>	Please supply full details in the "Special Requirements" section on page 7											
Automatic Rescue Device (UPS)	<input type="checkbox"/>	Rescue lift at reduced speed to:	<table border="1"> <tr> <td>Nearest Floor &amp; shutdown</td> <td>Main Floor &amp; shutdown</td> </tr> </table>	Nearest Floor & shutdown	Main Floor & shutdown								
Nearest Floor & shutdown	Main Floor & shutdown												
Regenerative Drive	<input type="checkbox"/>												
Engineer's Access Control	<input type="checkbox"/>	Allows safer access to the lift Cartop for maintenance personnel											
Advance Brake Lift	<input type="checkbox"/>	Allows Lift Brake to energise whilst lift doors are closing for faster take off											
Building Management interface	<input type="checkbox"/>	Please supply full details in the "Special Requirements" section on page 7											
Emergency Generator Supply	<input type="checkbox"/>												
TVC Elevator Monitoring Unit (EMU)	<input type="checkbox"/>												
TVC Autodialler	<input type="checkbox"/>	<table border="1"> <tr> <td>EM181</td> <td>LX8</td> </tr> </table>	EM181	LX8									
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E-Director	<input type="checkbox"/>	E-Director offers a graphical representation of the Ethos control systems, from simplex to full group											
Hospital Priority control	<input type="checkbox"/>	Please supply full details in the "Special Requirements" section on page 7											
EN81-20:2014 Compliant Lift	<input type="checkbox"/>												
EN81-21:2018 Compliant Lift	<input type="checkbox"/>												
EN81-71:2005 Vandal Resistant Lift	<input type="checkbox"/>	<table border="1"> <tr> <td>Category 1 Lift</td> <td>Category 2 Lift</td> </tr> </table>	Category 1 Lift	Category 2 Lift									
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EN81-72:2015 Fire fighting Lift	<input type="checkbox"/>	Note: TVC only offer a Robust enclosure, not Certified Vandal resistant											
EN81-73:2016 Fire Alarm	<input type="checkbox"/>												
BS9999:2017 Evacuation control	<input type="checkbox"/>												
Lift Consultants' Specification	<input type="checkbox"/>	Specification reference:	<input type="text"/>										
		Applicable pages:	<input type="text"/>										

**ANCILLARY ITEMS**

Please select all items required to be supplied by TVC with the control system

- Overspeed Governor ☐ TVC Standard offering is 300mm Bi-Directional  
%w Absolute Enc, 24Vdc Parking & 230Vac Reset Solenoid
- OSG Tension Weight ☐ TVC Standard offering is a 45Kg Pit Mounted unit  
%w Pulley Wheel
- Emergency Stop Switch ☐
- Rubber Electrical Safety Mat ☐ 1200mm x 1000mm x 9mm
- Pre-wired Limit Switch Tree & Ramp ☐ 1 x 4 limit tree, 1 x 3 limit tree & 2.8M Adjustable Ramp
- TVC Cartop Control Unit ☐ EN81-20 Compliant
- TVC Pit Control Station ☐ EN81-20 Compliant
- Cabinet Plinth ☐  $\xrightarrow{\text{Height}}$     mm
- Cabinet Wall Mounting Brackets ☐
- Lift Fixtures ☐ TVC may contact you to discuss your requirements
- LSOH Trailing Flexes ☐  $\xrightarrow{\hspace{1cm}}$  Lift travel  Trailer length   
If Trailing Flexes are specified, TVC will supply them  
suitable for the application; unterminated

**SPECIAL REQUIREMENTS**

Please specify details for any special requirements:

**STANDARD FEATURES INCLUDED IN THE CONTROL PANEL****Control Features**

110V/230VAC Door detector supply  
Emergency lighting / Alarm supply 12Vdc 1A/hr  
Standard adhesive component labels  
Dewhurst EnBuzz interface  
Dual illumination  
Non-adjustable Thermostat  
Phase failure / phase reversal protection  
Motor thermistor protection  
Door open & door close push indicator outputs  
Alarm Filtering in compliance with EN81-28:2014  
Emergency electrical operation  
ECO mode car light & fan turn off  
Door Nudging (Feature can be enabled via Ethos MMI)  
Advance door opening (Feature can be enabled via Ethos MMI)  
Relevelling (Feature can be enabled via Ethos MMI)  
Volt-free Lift in/out of service & Lift alarm contacts  
Top of Car Termination Box (Including serial Car Module)

**Standard Ethos Microprocessor features**

Service control / Car preference  
90% load weighing  
110% load weighing  
Emergency recall to fire floor (selected via Ethos MMI), doors dwell closed  
Fire alarm recall to fire floor (selected via Ethos MMI), doors park open (default)  
Homing (floor selected via Ethos MMI)  
Anti nuisance  
Door disable switch  
Prepare to test switch  
Double journey timer  
English language Colour touch screen MMI  
Facility for inserting car & landing calls via Ethos MMI  
Floor position, car direction, doors status & lift status graphical display  
Digital trip counter  
Door nudging buzzer output  
No Entry Indicator Output  
Shaft self-learning for quicker installations

**Call pushes**

24Vdc 3 wire Car & Landing call pushes.  
Maximum power rating for each call push 1W

**Controller Mechanics**

Wall/floor mounted cabinet, powder coated mild steel  
Dimensions: Height 1200 - 1800mm, Width 800mm, Depth 400mm  
DBR resistors (where required) mounted on the top of the cabinet  
Centre opening doors.  
IP22 rating

**Compliance details**

Products are manufactured within a system certified to BS EN ISO9001:2000