

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 & Landing

☐Complete **SECTION A** below only

Manually Operated Car & Landing

☐Complete **SECTION B** below only

Fully Automatic Car & 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&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 & 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 ☐ Voltage: VRemote OSG Reset Solenoid interface ☐ Voltage: VDigital Handwind Unit ☐Eco-mode ☐Panel mounted Emergency Stop switch ☐Unintended Car Movement Protection ☐

Achieved by:

Dual
Lift BrakeOSG
Solenoid

Other

Manufacturer

Solenoid Voltage

V

Please provide details

Swipe Card interface ☐

Please supply full details in the "Special Requirements" section on page 7

Automatic Rescue Device (UPS) ☐Rescue lift at
reduced speed to:Nearest Floor
& shutdownMain Floor
& shutdownRegenerative Drive ☐Engineer's Access Control ☐

Allows safer access to the lift Cartop for maintenance personnel

Advance Brake Lift ☐

Allows Lift Brake to energise whilst lift doors are closing for faster take off

Building Management interface ☐

Please supply full details in the "Special Requirements" section on page 7

Emergency Generator Supply ☐TVC Elevator Monitoring Unit (EMU) ☐TVC emFONE Autodialler ☐E-Director ☐

E-Director offers a graphical representation of the Ethos control systems, from simplex to full group

Hospital Priority control ☐

Please supply full details in the "Special Requirements" section on page 7

EN81-20:2014 Compliant Lift ☐EN81-21:2018 Compliant Lift ☐EN81-71:2005 Vandal Resistant Lift ☐

Category 1 Lift

Category 2 Lift

EN81-72:2015 Fire fighting Lift ☐

Note: TVC only offer a Robust enclosure, not Certified Vandal resistant

EN81-73:2016 Fire Alarm ☐BS9999:2017 Evacuation control ☐Lift Consultants' Specification ☐

Specification reference:

Applicable pages:

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