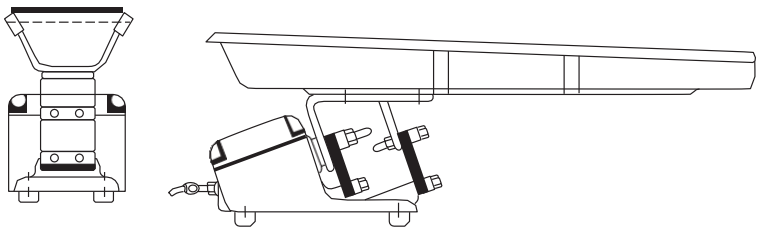
SPECIFICATION / PARTS LIST

SYNTRON® ELECTROMAGNETIC VIBRATORY FEEDER

MODEL: F010 & FH010



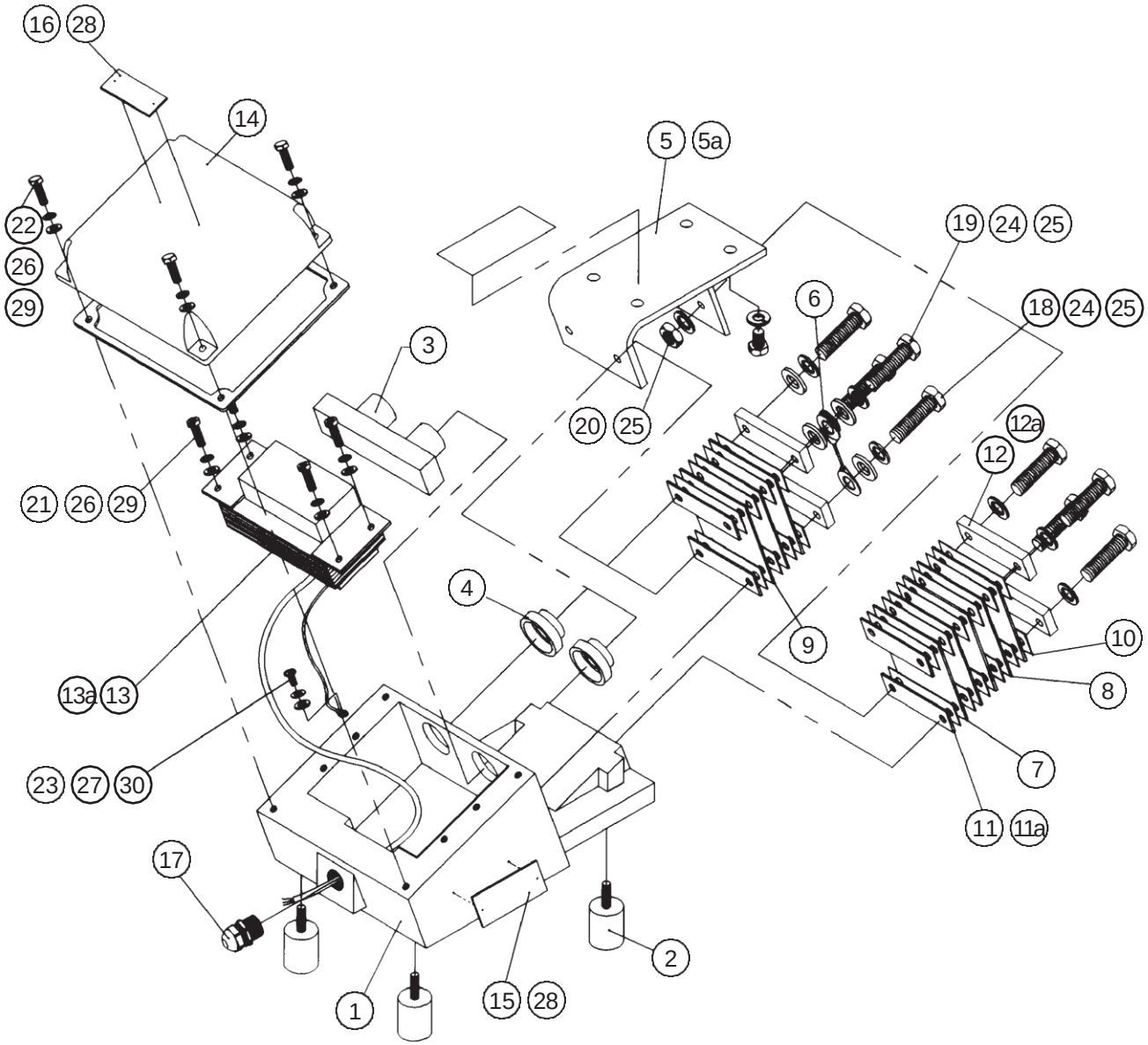
■ OPERATING SPECIFICATIONS

Maximum Trough Weight:	5.45 kg
Minimum Trough Weight:	2.72 kg
Trough Stroke Range:	2.72kg to 5.45kg Trough Max Amplitude (1.4 to 1.6mm)
Minimum Natural Frequency:	4000VPM (60Hz) 3500VPM (50Hz)
✻Maximum Current Rating:	2.2 Amps (F010 115V/50Hz) 1.1 Amps (F010 230V/50Hz) 3.0 Amps (FH010 115/50Hz) 1.5 Amps (FH010 230v/50Hz)

✻When using a clamp-on meter to read the current of the feeder, the meter reading must be multiplied by a value of 1.7. A clamp-on meter does not reveal the same reading as stamped on the name plate due to the wave form characteristics of the feeder, when operating. Therefore the 1.7 multiplier must be used. All current readings must be taken at the controller.

■ TORQUE SPECIFICATIONS

ITEM	DRY	LUBRICATED
18,19,20	29.13ft/lbs (39.5Nm)	21.68ft/lbs (29.4Nm)
21	12ft/lbs (16.3Nm)	9ft/lbs (12.2Nm)



NOTE: Do not remove or paint over safety labels or nameplate. Should safety labels require replacement, contact Riley Automation.

■ PARTS LIST

MODELS: F010 & FH010 ELECTROMAGNETIC VIBRATORY FEEDERS

Note: Parts list is identical for both models, except for the magnet assemblies and potentially the spring thicknesses. See item 13.

Item	Part No.	Description	Quantity
1	FVSS2006/3	Base Casting	1
2	FVSX4265/1	Rubber Foot	4
3	FVSS4071/2	Armature Block	1
4	FVST2001/2	Dust Seal	2
5	FVTA2007/2	Mounting Bracket (aluminium)	1
5a	FVTA2007/4	Mounting Bracket (anodised aluminium)	1
6	FVSS4090/2	Earth Strap	1
7, 8 & 9	FVTA2011/4	Leaf Spring M10 ** see table below for spring variants	1
10	FVTA2008/5	Leaf Spring Spacer	20
11	FVTA2008/7	Leaf Spring Seat (nickel plated)	4
11a	FVTA2008/10	Leaf Spring Seat (stainless steel)	4
12	FVTA2009/2	Leaf Spring Clamping Bar (nickel plated)	4
12a	FVTA4052/2	Leaf Spring Clamping Bar (stainless steel)	4
13	GAFVSS4013/1	Magnet Assembly ** see table below for spring variants	1
14	FVSS2007/1	Cover Casting	1
15	UNN4049/1	Nameplate	1
16	UNNA4008/1	Warning Label	1
17	29265–164–3	Cable Gland (M16 x 1.5)	1
18		M10 x 40 Hexagon Head Setscrew	4
19		M10 x 45 Hexagon Head Setscrew	4
20		M10 Hexagon Nut	2
21		M6 x 16 Socket Head Cap screw	4
22		M6 x 20 Hexagon Head Setscrew	4
23		M4 x 10 PSDV Pan Head Brass Screw	1
24		M10 Plain Washer	2
25		M10 Spring Washer	8
26		M6 Spring Washer	8
27		M4 Spring Washer	1
28		Hammer Drive R/HD Screw 00 x 1/4”	4
29		M6 Plain Washer	8
30		M4 Plain Brass Washer	1

Riley p/no.	Description	Voltage	Frequency
GAFVSS4013/1	F010 Magnet Assembly (standard)	230v	50/60Hz
GAFVSS4013/2	F010 Magnet Assembly (standard)	110v	50Hz
29303-621-2	F010 Magnet Assembly (blue variant)	115v	60Hz
GAFVJB4002R1	FH010 Magnet Assembly (standard)	230v	50/60Hz
GAFVJB4002R2	FH010 Magnet Assembly (standard)	110v	50/60Hz
GAFVJB4002R3	FH010 Magnet Assembly (armoured cable)	230v	50/60Hz
GAFVJB4002R4	FH010 Magnet Assembly (armoured cable)	110v	50/60Hz

If you are unsure which variant you require, please have the serial number of the drive unit to hand and contact Riley Automation on 01332 275850. If the nameplate has been removed, the internal coil will have a label on it. The backplate will need to be removed to find it through this method.

Riley p/no.	Description	Thickness (mm)
FVTA2011/4	HiFlex Leaf Spring 5ply (red)	1.25
FVTA2011/5	HiFlex Leaf Spring 7ply (blue)	1.75
FVTA2011/6	HiFlex Leaf Spring 9ply (green)	2.25
FVTA2011/7	HiFlex Leaf Spring 11ply (black)	2.75
FVTA2011/9	HiFlex Leaf Spring 6ply (white)	1.50

Riley p/no.	Description
FVSX42651	M6 Rubber Isolation Mount (M6 male/female type, 55SHA)
20022-048-9	M6 Rubber Isolation Mount (M6 male/female type, 45SHA)

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