

VSD Flameproof Variable Speed Drives (Type 'd') Enclosures



II 2 G D



The **ATEX approved** JCE range of flameproof variable speed drives is intended for use in areas made potentially hazardous by the presence of flammable liquids, gases, vapours and dusts (Zones 1, 2, 21 and 22). Certified for Groups IIA and IIB locations.

The JCE range of EExd variable speed drives employ the latest technology to offer all the advantages of electronic motor control including:

- Simple operation, powerful features and easy to use
- Fast setup, factory default settings ok for most applications
- Motor current and RPM indication through a viewing window on the enclosure lid

Range: 380-480V, 0.75—12 KW
Other sizes available upon request

Enclosure Materials and Finish

Body & Cover	Aluminium alloy EN AC-42000 (LM25) to BS EN 1706:1998 with less than 0.2% copper content.
Cover Bolts	Stainless steel (18/8)
Mounting Plate	Aluminium
Finish	Natural. A corrosion resistant finish is also available, see options

Earthing

All enclosures are supplied with 8mm stainless steel (18/8) external and 8mm stainless steel (18/8) internal earth stud as standard.

Entries and Thread Standards

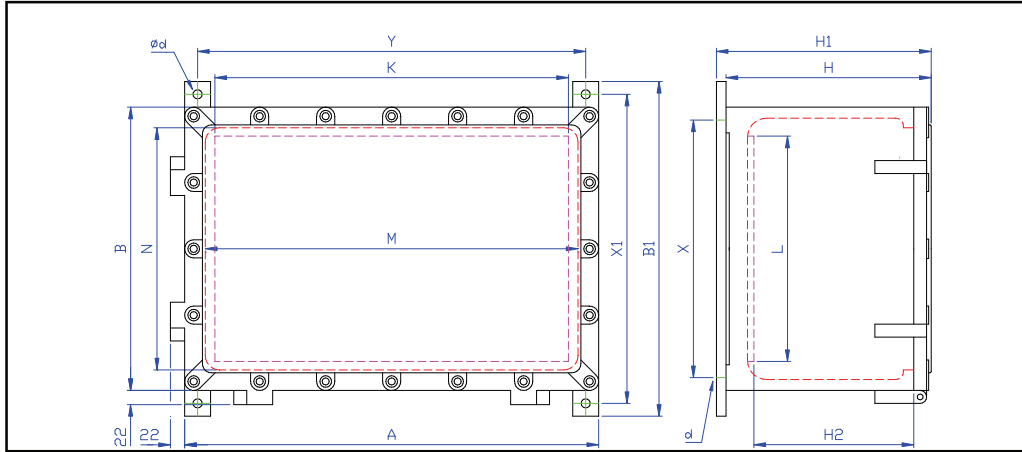
Each side of an enclosure will accommodate a varying number of tapped entries. Please provide a sketch indicating enclosure required with size and location of each entry.

Standard thread forms available are ISO Metric M20-M90 and 1/2" - 3" NPT.

Protection Grade

Lids incorporate a gasket providing Ingress Protection to IP66. Application of a non hardening grease to flamepaths and entries is recommended.

Dimensions



ENCLOSURE	OVERALL DIMENSIONS						MOUNTING DETAILS					MOUNTING PLATE		ENCL. OPENING		WT KG	
	Cat. No	A	B	B1	H	H1	H2	X	X1	Y	d	Ød	K	L	M		N
VSD1 0.37 - 3 kW	430	330	410	274	289	207	290	370	390	M12	14	14	345	255	360	260	33
VSD2 4 - 5.5 kW	640	440	520	317	332	215	400	480	600	M12	14	14	565	350	576	376	64
VSD3 7.5 - 12 kW	670	580	620	333	346	252	475	580	565	M12	14	14	535	445	565	477	96

System Options

As with all of our enclosure systems different options are always available but may affect the enclosure size. With our variable speed drive range the following items can be added:

- E stops
- Pilot lights to indicate status
- Intrinsically safe barriers for field mounted equipment
- Thermistor relays
- Potentiometers
- Push-buttons
- Display windows

Enclosure Options

Polyester powder coated standard RAL colour for added protection against corrosion - available on request.

Mounting Brackets available on request.

Certification

ISSeP03ATEX029 (VSD1 & VSD2)
ISSeP02ATEX045 (VSD3)
EExd II B T5/T6



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- Specify cable entry and thread form on ordering.
- Details of certification and conformity can be provided on request.
- All products sold subject to our terms and conditions of business.
- Health and Safety at Work Act 1974. In the UK all equipment must be installed and disposed of (as required) within the legislative requirements of the Health & Safety at Work Act 1974.