HD2 Series
AC Variable Speed Inverters

Technical Datasheet

3 Phase 380/440V 50/60Hz ***1.5~500kW***
3 Phase 520/690V 50/60Hz ***22~630kW***

- Torque Vector control
- Up to 150% starting torque
- HD rated for demanding applications
- Asynchronous & synchronous motor control
- Advanced LCD keypad (16 lines of text)
- Motor Auto-tune (static and dynamic)
- 2 motor parameter sets.

- DC Injection braking
- Flux braking
- Integral brake chopper (<37kW)
- Integral AC reactor (>220Kw)
- Integral DC reactor (18.5~110Kw)
- PID Control as standard
- Modbus RTU/RS485 built in
- PG Encoder control
- IP20 (all models)

- Wifi card
- Bluetooth card
- Profibus DP card
- CANopen card
- Profinet card.
- Multi I/O card

- 6 Digital Inputs
- 2 Analogue Inputs
- 1 Analogue Output
- 2 Relay Outputs
- 2 Digital Outputs

- Integral C3 filter
- Category C1 &C2 filter options
- CE & RCM Marked
- 2 Year warranty

RCM (AUS/NZ)

Ordering Information

HD2 - 75A - 43

Series	
HD2 Inverter Drive	HD2

Input 440V Three Phase

Output Power kW (HP)					
1.5kW	(2HP)	3.7A	90kW	(125HP)	180A
2.2kW	(3HP)	5A	110kW	(150HP)	215A
4.0kW	(5.5HP)	9.5A	132kW	(175HP)	260A
5.5kW	(7.5HP)	14A	160kW	(215HP)	305A
7.5kW	(10HP)	18.5A	185kW	(250HP)	340A
11kW	(15HP)	25A	200kW	(270HP)	380A
15kW	(20HP)	32A	220kW	(300HP)	425A
18.5kW	(25HP)	38A	250kW	(335HP)	480A
22kW	(30HP)	45A	280kW	(375HP)	530A
30kW	(40HP)	60A	315kW	(420HP)	600A
37kW	(50HP)	75A	355kW	(470HP)	650A
45kW	(60HP)	92A	400kW	(535HP)	720A
55kW	(75HP)	115A	450kW	(600HP)	820A
75kW	(90HP)	150A	500kW	(670HP)	860A

HD2 - 95A - 63

Series	
HD2 Inverter Drive	HD2

Input 690V Three Phase

Output Power kW (HP)					
22kW	(30HP)	27A	200kW	(270HP)	216A
30kW	(40HP)	34A	220kW	(300HP)	240A
37kW	(50HP)	42A	250kW	(335HP)	274A
45kW	(60HP)	54A	280kW	(375HP)	300A
55kW	(75HP)	62A	315kW	(420HP)	328A
75kW	(90HP)	86A	355kW	(470HP)	380A
90kW	(125HP)	95A	400kW	(535HP)	426A
110kW	(150HP)	131A	450kW	(600HP)	465A
132kW	(175HP)	147A	500kW	(670HP)	540A
160kW	(215HP)	163A	560kW	(760HP)	600A
185kW	(250HP)	198A	630kW	(855HP)	680A

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HD2 Series
AC Variable Speed Inverters

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Technical Datasheet

Technical Specifications

Three Phase 440V

	Model	Rated Power kW (HP)	Carrier Frequency (kHz)	Input Current (A)	Output Current (A)	Contactor (A)	Fuse/ MCCB (A)	Weight	Dimensions			Frame Style
									Width	Height	Depth	
Three Phase 440V	HD2-3.7A-43	1.5 (2)	8	5	3.7	10	17.4/16	2	126	186	184.4	1
	HD2-5A-43	2.2 (3)	8	5.8	5	10	17.4/16	2	126	186	185	
	HD2-9.5A-43	4 (5.5)	8	13.5	9.5	16	30/25	2.5	126	186	200.9	2
	HD2-14A-43	5.5 (7.5)	8	19.5	14	16	45/25	2.5	126	186	200.9	
	HD2-18.5A-43	7.5 (10)	8	25	18.5	25	60/40	3	146	256	191.9	3
	HD2-25A-43	11 (15)	8	32	25	32	78/63	6	170	320	219.2	4
	HD2-32A-43	15 (20)	4	40	32	50	105/63	6	170	320	219.2	
	HD2-38A-43	18.5 (25)	4	47	38	63	114/100	8.5	200	340.6	207.2	5
	HD2-45A-43	22 (30)	4	56	45	80	138/100	8.5	200	340.6	207.2	
	HD2-60A-43	30 (40)	4	70	60	95	186/125	16	250	400	222.4	6
	HD2-75A-43	37 (50)	4	80	75	120	228/160	16	250	400	222.4	
	HD2-92A-43	45 (60)	4	94	92	135	270/200	25	282	560	257.1	7
	HD2-115A-43	55 (75)	4	128	115	170	315/200	25	282	560	257.1	
	HD2-150A-43	75 (90)	2	160	150	230	420/250	25	282	560	257.1	
	HD2-180A-43	90 (125)	2	190	180	280	480/315	41	338	554	329.2	8
	HD2-215A-43	110 (150)	2	225	215	315	630/400	41	338	554	329.2	
	HD2-260A-43	132 (175)	2	265	260	380	720/400	85	500	870	360	9
	HD2-305A-43	160 (215)	2	310	305	450	870/630	85	500	870	360	
	HD2-340A-43	185 (250)	2	345	340	580	1110/630	85	500	870	360	
	HD2-380A-43	200 (270)	2	385	380	580	1110/630	85	500	870	360	
	HD2-425A-43	220 (300)	2	430	425	630	1230/800	135	680	960	379.5	10
	HD2-480A-43	250 (335)	2	485	480	700	1380/800	135	680	960	379.5	
	HD2-530A-43	280 (375)	2	545	530	780	1500/1000	135	680	960	379.5	
	HD2-600A-43	315 (420)	2	610	600	900	1740/1200	135	680	960	379.5	
	HD2-650A-43	355 (475)	2	625	650	960	1860/1280	350	620	1700	560	11
	HD2-720A-43	400 (535)	2	715	720	1035	2010/1380	350	620	1700	560	
	HD2-820A-43	450 (600)	2	840	820	1222	2445/1630	350	620	1700	560	
	HD2-860A-43	500 (670)	2	890	860	1290	2505/1720	350	620	1700	560	

Three Phase 690V

	Model	Rated Power kW (HP)	Carrier Frequency (kHz)	Input Current (A)	Output Current (A)	Contactor (A)	Fuse/ MCCB (A)	Weight	Dimensions			Frame Style
									Width	Height	Depth	
Three Phase 660V	HD2-27A-63	22 (30)	4	35	27	50	105/63	32	270	555	325	8
	HD2-34A-63	30 (40)	4	40	34	50	105/63	32	270	555	325	
	HD2-42A-63	37 (50)	4	47	42	63	114/100	32	270	555	325	
	HD2-54A-63	45 (60)	4	52	54	80	138/100	32	270	555	325	
	HD2-62A-63	55 (75)	4	65	62	95	186/125	67	325	680	365	
	HD2-86A-63	75 (90)	2	85	86	135	270/200	67	325	680	365	
	HD2-95A-63	90 (125)	2	95	95	135	270/200	67	325	680	365	
	HD2-131A-63	110 (150)	2	118	131	170	315/200	67	325	680	365	
	HD2-147A-63	132 (175)	2	145	147	230	420/250	67	325	680	365	
	HD2-163A-63	160 (215)	2	165	163	280	480/315	110	500	870	360	9
	HD2-198A-63	185 (250)	2	190	198	280	480/315	110	500	870	360	
	HD2-216A-63	200 (270)	2	210	216	315	630/400	220	500	870	360	
	HD2-240A-63	220 (300)	2	230	240	380	720/400	110	500	870	360	
	HD2-274A-63	250 (335)	2	255	274	380	720/400	165	680	960	379.5	10
	HD2-300A-63	280 (375)	2	286	300	450	870/630	165	680	960	379.5	
	HD2-328A-63	315 (420)	2	334	328	580	1110/630	165	680	960	379.5	
	HD2-380A-63	355 (475)	2	360	380	580	1110/630	165	680	960	379.5	
	HD2-426A-63	400 (535)	2	411	426	630	1230/800	407	620	1700	560	11
	HD2-465A-63	450 (600)	2	445	465	735	1470/960	407	620	1700	560	
	HD2-540A-63	500 (670)	2	518	540	780	1500/1000	407	620	1700	560	
	HD2-600A-63	560 (760)	2	578	600	900	1740/1200	407	620	1700	560	
	HD2-680A-63	630 (855)	2	655	680	1035	2010/1380	407	620	1700	560	

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HD2 Series
AC Variable Speed Inverters

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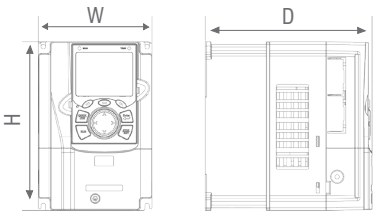
Technical Datasheet



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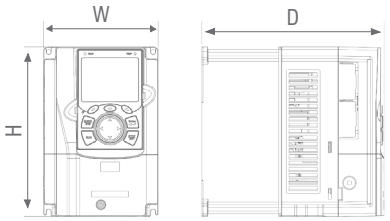

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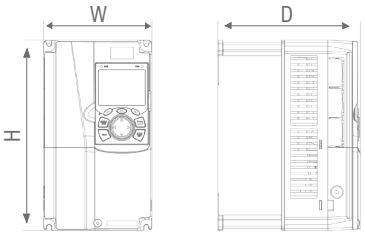

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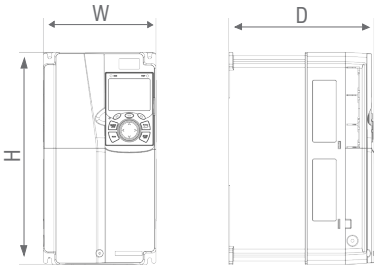

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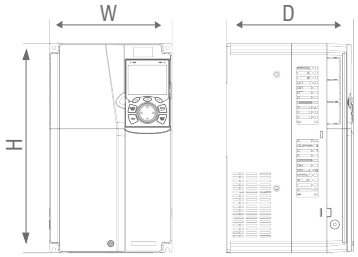

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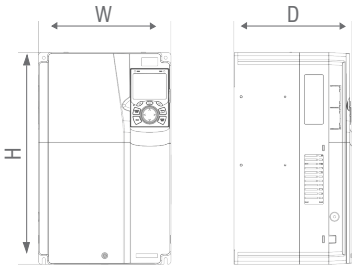

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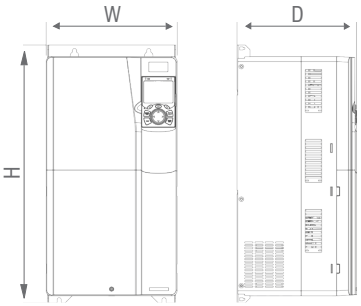

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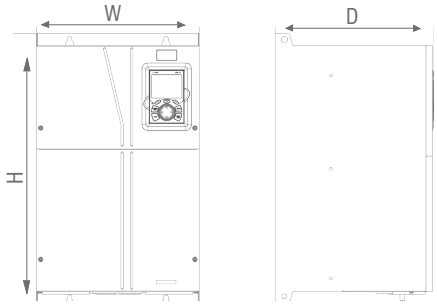

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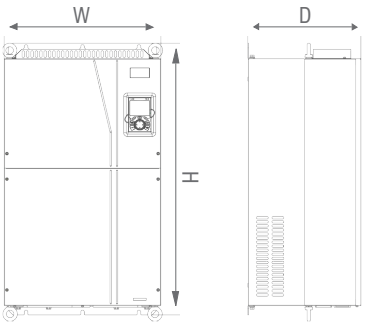

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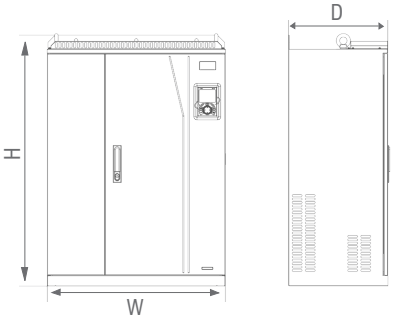

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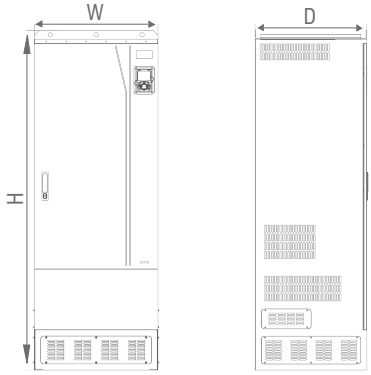

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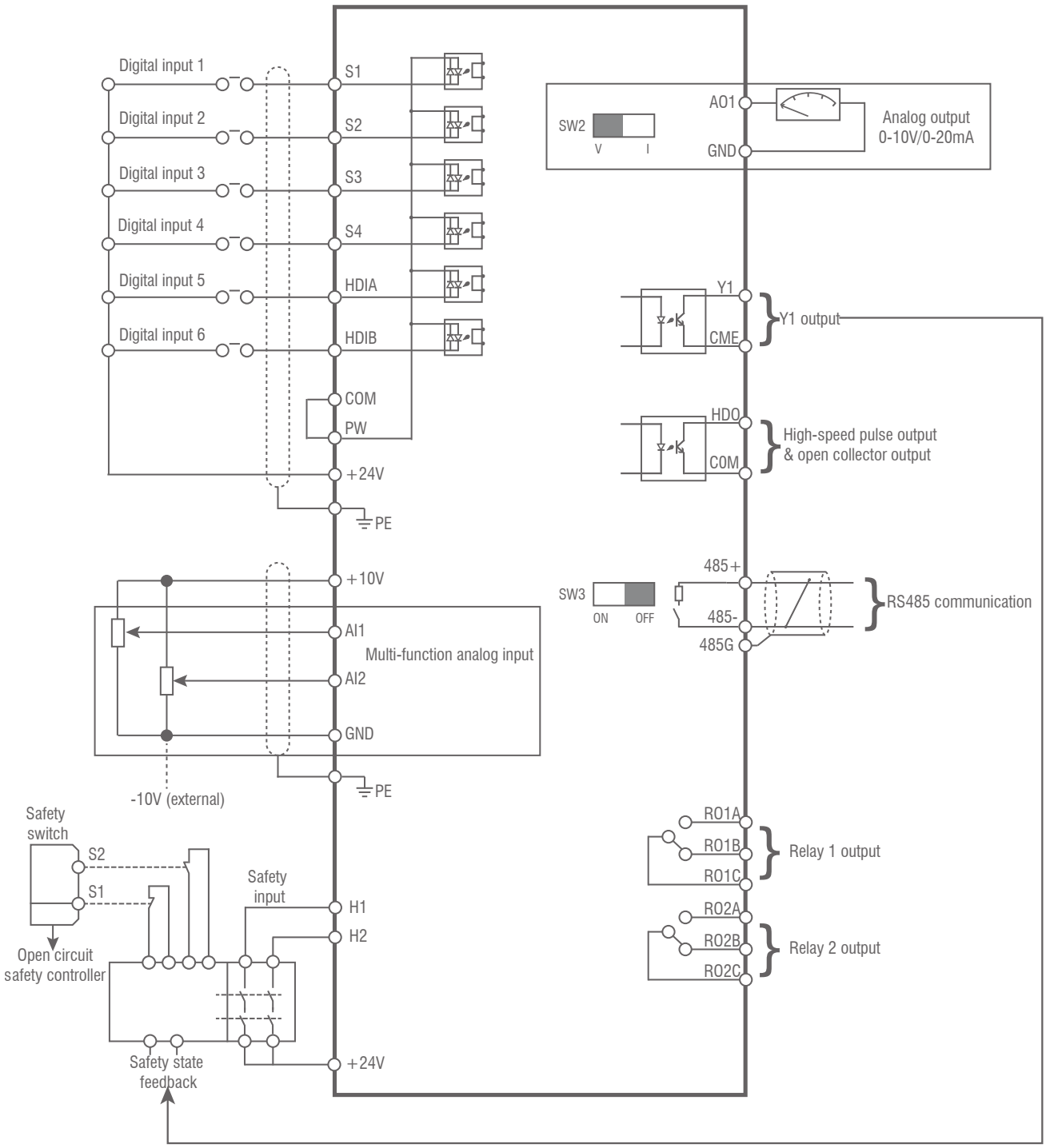
HD2 Series
AC Variable Speed Inverters

Technical Datasheet

Control Connections



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HD2 Series
AC Variable Speed Inverters

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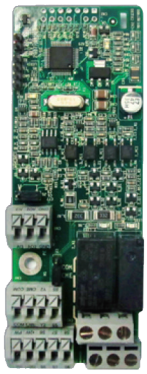
Technical Datasheet

Expansion Card Selection

Expansion Card Type	Part Number	Part Description
I/O Card	**HD2-E-IO**	IO Expansion Card
PLC Card	**HD2-E-PLC**	Programmable Expansion Card (CODESYS)
Communication Card	**HD2-E-BTP**	Bluetooth Communication Card (Internal Antenna)
	HD2-E-BTM	Bluetooth Communication Card (External Antenna)
	HD2-E-ENET	Ethernet Communication Card
	HD2-E-WFP	WiFi Communication Card (Internal Antenna)
	HD2-E-WFM	WiFi Communication Card (External Antenna)
	HD2-E-COP	CANopen Communication Card
	HD2-E-CAN	CAN Master-Slave Communication Card
	HD2-E-PDP	PROFIBUS-DP Comunication Card
	HD2-E-PRF	PROFINET Communication Card
PG Card	**HD2-E-PGIM**	Multi-Function Incremental PG Card
	HD2-E-PGI	5V Differential PG Card
	HD2-E-PGR	Rotary Transformer PG Card

HD2-E-IO



HD2-E-WFP

HD2-E-CAN

HD2-E-PDP

HD2-E-PLC

HD2-E-PGIM

HD2-E-PGI

HD2-E-ENET

HD2-E-PGR

HD2-E-PRF

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