

YASKAWA



HV600

HVAC

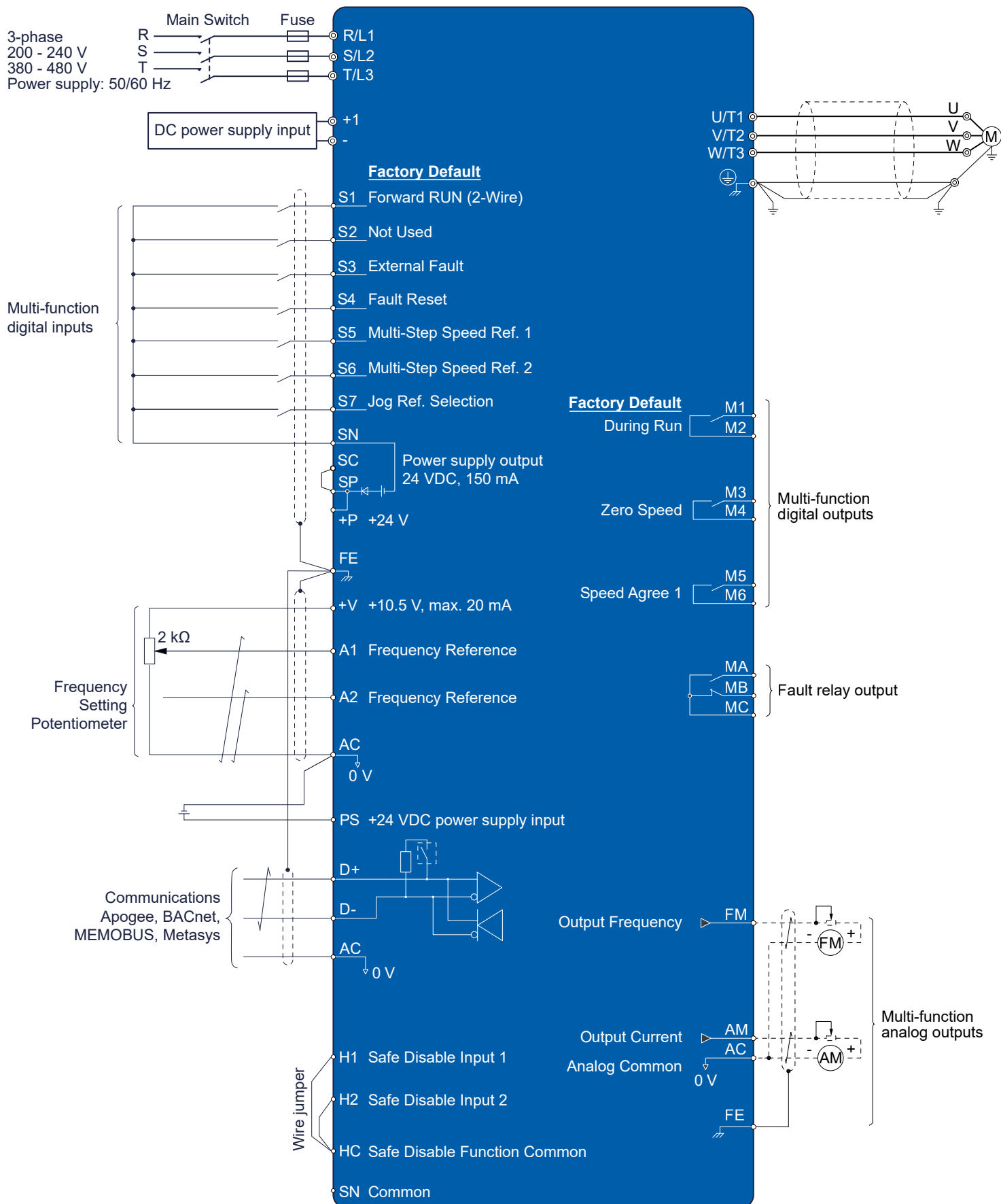
Key Specifications

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Specification

Item	Specification
Input Voltage	Three-phase 200 to 240 VAC, +10%/-15%, 50/60 Hz +/-5% 380 to 480 VAC, +10%/-15%, 50/60 Hz +/-5%
Ambient Operating Temperature	-10°C to +50°C* (14°F to 122°F), up to 60°C (140°F) with derating
Ambient Storage Temperature	-20°C to +70°C (-4°F to 158°F)
Overload Capacity	110% for 60 seconds, 140% for 2 seconds, 175% instantaneous
Output Frequency	0 to 400 Hz
Environmental	1,000 meters altitude, up to 4,000 meters with derating
	Class 3C2 and 3S2 operation for IP20, Class 3C2 and 3S3 for IP55
	95% humidity, non-condensing
EMC and Harmonics	EMC filter built in; complies with IEC 61800-3 restricted distribution for first environment
	5% split choke built in both positive and negative DC bus leg as standard
Control Methods	V/f Control, PM Open Loop Vector, EZ Vector Control
Motor Types	Induction
	Permanent Magnet
	Synchronous Reluctance
Protective Design Types	IP20
	IP55
Interface	LCD keypad with Hand-Off-Auto and Status Ring, Bluetooth keypad optional
Global Certifications	UL, cUL, CE, RoHS 2, WEEE, TÜV SÜD
Seismic Certification	CBC, IBC, ASCE7, ICC-ES 156
	HCAI (Special Seismic Certification Pre-approval OSP-0687)
Functional Safety	Safe Torque Off, SIL3 according to IEC 62061, PLe according to ISO 1384
Standard I/O	(7) programmable multi-function digital inputs (24 VDC)
	(2) programmable multi-function analog inputs (0 to +10 VDC, 0-20 mA, 4-20 mA)
	(2) functional Safety inputs
	(1) fault relay output (Form C)
	(3) programmable multi-function relay outputs (Form A)
	(2) programmable multi-function analog output (0 to +10 VDC, 0-20 mA, 4-20 mA)
24 VDC power	External supply input to maintain communications without main power
	150 mA output for customer use
Network Communications	Built in: BACnet MSTP, APOGEE® FLN P1, Metasys® N2, and Modbus® RTU
	Optional: PROFINET®, PROFIBUS®, EtherNet/IP™ and Modbus® TCP/IP
Software Support Tools	DriveWizard® Mobile
	DriveWizard®
	DriveWorksEZ®

Connection diagram



HV600

Catalog code

HV60 C 4 005 C F A



1	Drive series	5	EMC filter option
HV60	HV600 series	C	Built-in EMC filter for C2
2	Region code	6	Enclosure
C	Europe	F	IP20
		V	IP55
3	Drive rating	7	Environmental spec
2	200 V, 3-phase	A	Standard
4	400 V, 3-phase		
4	Rated output current		
...	See Ratings table		

Model Code	Max Appl. Motor Power [kW]	Rated Output Current [A]	Dimensions [mm]			Weight [kg]
			W	H	D	
200 V models, HV60C2xxxCFA, IP20 models						
011	2.2	10.6	124	357	218	6.5
017	4	16.7				6.5
024	5.5	24.2	124	447	233	8.5
031	7.5	30.8				9.0
046	11	46.2	200	538	237	15
059	15	59.4				16
075	18.5	74.8	255	590	263	25
088	22	88				25
114	30	114				28
143	37	143	312	830	400	74
169	45	169				76
211	55	211	312	731	420	78
273	75	273				82
200 V models, HV60C2xxxCVA, IP55 models						
011	2.2	10.6	124	357	228	6.5
017	4	16.7				6.5
024	5.5	24.2	124	447	243	8.5
031	7.5	30.8				9.0
046	11	46.2	200	538	247	15
059	15	59.4				16
075	18.5	74.8	255	590	273	25
088	22	88				25
114	30	114				28
143	37	143	312	830	410	80
169	45	169				83



Use the Yaskawa Drive Finder to find all technical information, energy efficiency information, and more details.

Model Code	Max Appl. Motor Power [kW]	Rated Output Current [A]	Dimensions [mm]			Weight [kg]
			W	H	D	
400 V models, HV60C4xxxCFA, IP20 models						
005	1.5	4.8	124	357	218	7.0
006	2.2	6				7.5
008	3	7.6				7.5
011	4	11				7.0
014	5.5	14				7.0
021	7.5	21	124	447	233	9.0
027	11	27				10
034	15	34				11
040	18.5	40	200	538	237	16
052	22	52				18
065	30	65				20
077	37	77	255	590	263	28
096	45	96				30
124	55	124				33
156	75	156	312	830	400	78
180	90	180	312	731	420	79
240	110	240				98
302	160	302	440	831	472	125
400 V models, HV60C4xxxCVA, IP55 models						
005	1.5	4.8	124	357	228	7.0
006	2.2	6				7.0
008	3	7.6				7.0
011	4	11				7.0
014	5.5	14				7.0
021	7.5	21	124	447	243	9.0
027	11	27				10
034	15	34				11
040	18.5	40	200	538	247	16
052	22	52				18
065	30	65				20
077	37	77	255	590	273	28
096	45	96				30
124	55	124				33
156	75	156	362	887	410	83



YASKAWA Europe GmbH

Philipp-Reis-Str. 6
65795 Hattersheim am Main
Germany

+49 6196 569-500
support@yaskawa.eu
www.yaskawa.eu.com

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