

Available in either regenerative or non-regenerative configurations, the 1397 family of digital DC drives employs advanced microprocessor technology to help deliver performance, flexibility and communications options in a complete, economical drive package.

To help achieve accurate setup, precise control and flexible operation, all 1397 DC drives are digitally programmable. Each drive may be programmed locally from a front mounted control panel, or from an external Allen-Bradley PLC® or SLC®.

## Contents

Description	Page(s)
1397 Product Selection	2
Factory Installed Options	4
User Installed Options	5

## Conformity to Standards

The 1397 conforms to the following:

Conforms to:	Standard Product
UL Listed	✓
CSA Certified (C-UL)	✓
CE Approved	✓

1397 Product Selection

The 1397 product program includes standard 1397 DC drives rated from (1.1-448 kW) 1.5-600Hp, offered in both regenerative and non-regenerative configurations. All drives are supplied chassis mounted – IP 00 (open) – for user installation. There is a limited offering of factory mounted options along with a larger offering of option kits for user installation. All standard products in this program are predefined and not generally subject to modification. For special requirements consult Allen-Bradley.

230V AC Input Product Selection

<b>1397</b>	-	<b>A001N</b> ❶	-	<b>HA2</b> ❷	-	<b>DS050</b>	-	<b>PE</b>
Bulletin Number		Rating Type (must be specified)		Control Interface (must be specified)		AC Line Disconnect (optional)		Pulse Encoder Interface (optional)

Nominal Drive Rating	230V AC Drives — IP 00 (Open) — No Enclosure			
	Code	230V AC Rated❸ Line Amps	240VDC Rated❹ Armature Amps	150VDC Rated❺ Field Amps
1.2 (1.5)	A001_❶	10	7	10
1.5 (2)	A002_❶	11	9	10
2.2 (3)	A003_❶	13	12	10
3.7 (5)	A005_❶	19	20	10
5.5 (7.5)	A007_❶	26	29	10
7.5 (10)	A010_❶	33	38	10
11 (15)	A015_❶	48	55	10
15 (20)	A020_❶	63	73	15
18.5 (25)	A025_❶	80	93	15
22 (30)	A030_❶	94	110	15
30 (40)	A040_❶	125	146	15
37 (50)	A050_❶	154	180	15
45 (60)	A060_❶	186	218	15
56 (75)	A075_❶	226	265	15
75 (100)	A100_❶	307	360	15
93 (125)	A125_❶	370	434	15
112 (150)	A150_❶	443	521	15

- ❶ Either an "N" (non-regenerative) or an "R" (regenerative) drive must be specified.
- ❷ At least one of either a Human Interface Module (HIM) or Option 1203-GD2 using DriveTools32™ will be required to program the drive. Chosen option(s) may be ordered factory installed (if available) or as user installed kits.
- ❸ kW ratings are based on rated input voltage.
- ❹ Consult factory for alternate voltages.
- ❺ For special field voltage requirements refer to the Enhanced Field Supply Option.

### 380/415V AC Product Selection

<b>1397</b>	-	<b>U55FN</b> ①	-	<b>HA2</b> ②	-	<b>DS050</b>	-	<b>PE</b>
Bulletin Number		Rating Type (must be specified)		Control Interface (must be specified)		AC Line Disconnect (optional)		Pulse Encoder Interface (optional)

#### 380/415V AC Drives — IP 00 (Open) — No Enclosure

380V AC Input <i>kW (Hp)</i>	415V AC Input <i>kW (Hp)</i>	Code	380/415V AC Rated Line Amps	400/460V DC Rated Armature Amps	250/270V DC Rated Field Amps
1.8 (2.4)	2.1(2.8)	U7F__①	10	7	10
9 (12)	10.3(13.8)	U29F__①	26	29	10
17.9 (24)	20.8(27.6)	U55F__①	48	55	10
35.8 (48)	41.2(55.2)	U110F__①	94	110	15
89.5 (120)	102.9(138)	U265F__①	226	265	20

### 460V AC Product Selection

<b>1397</b>	-	<b>B003N</b> ①	-	<b>HA2</b> ②	-	<b>DS050</b>	-	<b>PE</b>
Bulletin Number		Rating Type (must be specified)		Control Interface (must be specified)		AC Line Disconnect (optional)		Pulse Encoder Interface (optional)

Nominal Drive Rating	460V AC Drives — IP 00 (Open) — No Enclosure			
<i>kW (Hp)</i> ③	Code	460V AC Rated ④ Line Amps	500V DC Rated ④ Armature Amps	300V DC Rated ⑤ Field Amps
2.2 (3)	B003__①	10	6	10
3.7 (5)	B005__①	12	10	10
5.5 (7.5)	B007__①	15	14	10
7.5 (10)	B010__①	18	19	10
11 (15)	B015__①	24	27	10
15 (20)	B020__①	31	35	10
18.5 (25)	B025__①	39	45	10
22 (30)	B030__①	45	52	10
30 (40)	B040__①	63	73	15
37 (50)	B050__①	74	86	15
45 (60)	B060__①	86	100	15
56 (75)	B075__①	110	129	15
75 (100)	B100__①	143	167	15
93 (125)	B125__①	177	207	15
112 (150)	B150__①	213	250	15
149 (200)	B200__①	281	330	15
187 (250)	B250__①	351	412	15
224 (300)	B300__①	421	495	15
298 (400)	B400__①⑥	567	667	15
373 (500)	B500__①⑥	680	800	15
448 (600)	B600__①⑥	816	960	15

- ① Either an "N" (non-regenerative) or an "R" (regenerative) drive must be specified.
- ② At least one of either a Human Interface Module (HIM) or Option 1203-GD2 using **DriveTools32™** will be required to program the drive. Chosen option(s) may be ordered factory installed (if available) or as user installed kits.
- ③ kW ratings are based on rated input voltage.
- ④ Consult factory for alternate voltages.
- ⑤ For special field voltage requirements refer to the Enhanced Field Supply Option.
- ⑥ Inverting fault protection must be separately supplied external to drive on 400-600 Hp negative. See user installed option 1397-IFB600.

Factory Installed Options

Control Options <sup>①</sup>

Description	Used With ...	Option Code
AC Line Disconnect	All Drives	
230V Rating <sup>②</sup>		
460V Rating <sup>②</sup>		
kW (Hp)	kW (Hp)	
1.2-18.5 (1.5-25)	2.3-37 (3-50)	-DS050
22 (30)	45 (60)	-DS060
30-45 (40-60)	56-93 (75-125)	-DS125
56 (75)	112 (150)	-DS150
75 (100)	149 (200)	-DS200
92-112 (125-150)	187-224 (250-300)	-DS300
	298-373 (400-500)	-DS500
	448 (600)	-DS600
Blower Motor Starter - Current Rated	All Drives	
Blower Motor Amp Current Rating		
0.4-0.63		-MB006
0.63-1.0		-MB010
1.0-1.4		-MB014
1.4-1.8		-MB018
1.7-2.4		-MB024
2.2-3.1		-MB031
2.8-4.0		-MB040
3.5-5.0		-MB050
4.5-6.5		-MB065
6.0-8.5		-MB085
7.5-11.0		-MB110
Pulse Encoder Interface	All Drives	-PE
AC Tachometer Interface	All Non-Regen Drives	-AC
Fixed Field Supply	All Drives	③④
Enhanced Field Supply - Current Rated	All Drives	③
- Provides field preweakening for gear-in.		
- Provides 2 240V DC field on 230V AC rated drives for textile and MG set replacement applications.		
- Provides a means to match many different field voltages without requiring a transformer		
DC Amp Current Rating		
10		-FS3010
20		-FS3020
Regulated Field Supply - Current Rated	All Drives	③
Provides field weakening and field current regulation		
DC Amp Current Rating		
4		-FS2004
10		-FS2010
15		-FS2015
I/O Expansions Card	All Drives	-L11
Provides additional I/O structure		
(5) Digital Outputs (2) Digital Outputs		
(2) Analog Inputs (2) Analog Outputs		
(1) Frequency Input Frequency Output		

① All options are chassis mounted unless noted. For a more functionally complete description of each option, refer to publication 1397-BR001.

② kW ratings are based on rated input voltage.

③ Fixed Field Supply is provided with:  
230V AC drives rated 56 kW (75 Hp) and below  
380V AC drives rated 35.8 kW (48 Hp) and below  
415V AC drives rated 41.2 kW (55.2 Hp) and below  
460V AC drives rated 112 kW (150 Hp) and below.  
Regulated Field Supply is provided with:  
230V AC drives rated 75 kW (100 Hp) and above  
380V AC drives rated 89.5 kW (120 Hp)  
415V AC drives rated 102.9 kW (138 Hp)  
460V AC drives rated 149 kW (200 Hp) and above.

④ Fixed Field Supply does not have field economy. Check motor requirements for applicability.

### HIM Options

Description	Used With . .	Option Code
IP 20 (NEMA/UL Type 1) HIM	All Drives	
Blank - No Functionality		-HAB
Programmer Only		-HAP
Programmer/Controller w/Analog Pot		-HA1
Programmer/Controller w/Digital Pot		-HA2

### User Installed Options

#### Inverting Fault Breaker Kit

Description	Used With. . .	Catalog Number
Provides inverting fault protection for 400-600 Hp regenerative drives. Trip setting adjustable for 400, 500, or 600 Hp Drives. Mounts separately from the Drive Chassis.	400-600 Hp regenerative drives.	1397-IFB600

#### 240V DC Dynamic Brakes, IP00 (No Enclosure) <sup>①</sup>

Drive Output kW (Hp) <sup>②</sup>	Used With. . .	Catalog Number
1.2 (1.5)	All 230VAC Input Drives	1397-DB-A001L
1.5 (2)		1397-DB-A002L
2.2 (3)		1397-DB-A003L
3.7 (5)		1397-DB-A005L
5.5 (7.5)		1397-DB-A007L
7.5 (10)		1397-DB-A010L
11 (15)		1397-DB-A015L
15 (20)		1397-DB-A020L
18.5 (25)		1397-DB-A025L
22 (30)		1397-DB-A030L
30 (40)		1397-DB-A040L
37-45 (50-60)		1397-DB-A060L
56 (75)		1397-DB-A075L
75 (100)		1397-DB-A100L
93 (125)		1397-DB-A125L
112 (150)		1397-DB-A150L

#### 500V DC Dynamic Brakes, IP00 (No Enclosure) <sup>①</sup>

Drive Output kW (Hp) <sup>②</sup>	Used With. . .	Catalog Number
2.2 (3)	All 460V AC Input Drives	1397-DB-B003L
3.7 (5)		1397-DB-B005L
5.5 (7.5)		1397-DB-B007L
7.5 (10)		1397-DB-B010L
11 (15)		1397-DB-B015L
15-18.5 (20-25)		1397-DB-B025L
22 (30)		1397-DB-B030L
30 (40)		1397-DB-B040L
37-45 (50-60)		1397-DB-B060L
56 (75)		1397-DB-B075L
75-93 (100-125)		1397-DB-B125L
112 (150)		1397-DB-B150L
149 (200)		1397-DB-B200L
187 (250)		1397-DB-B250L
224 (300)		1397-DB-B300L
298 (400)		1397-DB-B400L
373 (500)	1397-DB-B500L	
448 (600)	1397-DB-B600L	

<sup>①</sup> Dynamic brake hardware (DC loop contactor, control transformer & grids) mounts separately from the drive chassis. For a more functionally complete description of each option refer to publication 1397-BR001. Dynamic Brake Kits 1397-DB-B400L, -B500L, and -B600L use the Drive contactor.

<sup>②</sup> kW ratings are based on rated input voltage.

**Line Reactors, IP00 (Open Style) – 230V, 60Hz**

Drive Catalog Number	Drive Output		Input or Output Line Reactor	
			3% Impedance	5% Impedance
	<i>kW</i>	<i>Hp</i>	Catalog Number	Catalog Number
A001	1.2	1.5	1321-3R8-A	1321-3R8-B
A002	1.5	2	1321-3R8-A	1321-3R8-B
A003	2.2	3	1321-3R12-A	1321-3R12-B
A005	3.7	5	1321-3R18-A	1321-3R18-B
A007	5.5	7.5	1321-3R25-A	1321-3R25-B
A010	7.5	10	1321-3R35-A	1321-3R35-B
A015	11	15	1321-3R45-A	1321-3R45-B
A020	15	20	1321-3R55-A	1321-3R55-B
A025	18.5	25	1321-3R80-A	1321-3R80-B
A030	22	30	1321-3R100-A	1321-3R100-B
A040	30	40	1321-3R130-A	1321-3R130-B
A050	37	50	1321-3R160-A	1321-3R160-B
A060	45	60	1321-3R160-A	1321-3R160-B
A075	56	75	1321-3R200-A	1321-3R200-B
A100	75	100	1321-3RB250-A	1321-3RB250-B
A125	93	125	1321-3RB320-A	1321-3RB320-B
A150	112	150	1321-3RB400-A	1321-3RB400-B

**Line Reactors, IP00 (Open Style) – 460V, 60Hz**

Drive Catalog Number	Drive Output		Input or Output Line Reactor	
			3% Impedance	5% Impedance
	<i>kW</i>	<i>Hp</i>	Catalog Number	Catalog Number
B003	2.2	3	1321-3R8-C	1321-3R8-D
B005	3.7	5	1321-3R8-B	1321-3R8-C
B007	5.5	7.5	1321-3R12-B	1321-3R12-C
B010	7.5	10	1321-3R18-B	1321-3R18-C
B015	11	15	1321-3R25-B	1321-3R25-C
B020	15	20	1321-3R35-B	1321-3R35-C
B025	18.5	25	1321-3R35-B	1321-3R45-C
B030	22	30	1321-3R45-B	1321-3R55-C
B040	30	40	1321-3R55-B	1321-3R80-C
B050	37	50	1321-3R80-B	1321-3R80-C
B060	45	60	1321-3R80-B	1321-3R100-C
B070	56	75	1321-3R100-B	1321-3R130-C
B100	75	100	1321-3R130-B	1321-3R160-C
B125	93	125	1321-3R160-B	1321-3R160-C
B150	112	150	1321-3R200-B	1321-3R200-C
B200	149	200	1321-3RB250-B	1321-3RB250-C
B250	187	250	1321-3RB320-B	1321-3RB320-C
B300	224	300	1321-3RB400-B	1321-3RB400-C
B400	298	400	1321-3R500-B	1321-3R500-C
B500	373	500	1321-3R600-B	1321-3R600-C
B600	448	600	1321-3R750-B	1321-3R750-C

**Line Reactors, IP00 (Open Style) – 380V, 50Hz**

Drive Catalog Number	Drive Output		Input or Output Line Reactor	
			3% Impedance	5% Impedance
	<i>kW</i>	<i>Hp</i>	Catalog Number	Catalog Number
U7F	1.8	2.4	1321-3R8-C	1321-3R8-D
U29F	9	12	1321-3R25-B	1321-3R25-C
U55F	17.9	24	1321-3R45-B	1321-3R45-C
U110F	35.8	48	1321-3R80-A	1321-3R80-B
U265F	89.5	120	1321-3R200-B	1321-3R200-C

**Line Reactors, IP00 (Open Style) – 415V, 50Hz**

Drive Catalog Number	Drive Output		Input or Output Line Reactor	
			3% Impedance	5% Impedance
	<i>kW</i>	<i>Hp</i>	Catalog Number	Catalog Number
U7F	2.1	2.8	1321-3R8-C	1321-3R8-D
U29F	10.3	13.8	1321-3R25-B	1321-3R25-C
U55F	20.8	27.6	1321-3R45-B	1321-3R45-C
U110F	41.2	55.2	1321-3R80-A	1321-3R80-B
U265F	102.9	138	1321-3R200-B	1321-3R200-C

Isolation Transformers, Three-Phase – IP32, NEMA/UL Type 3R

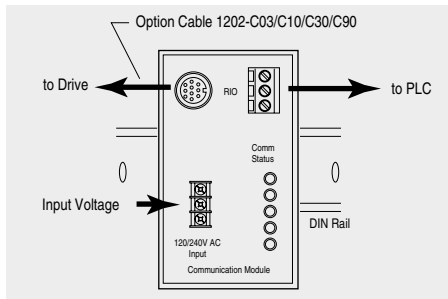
1397 Drive Output <sup>②</sup>	Transformer			
	Output Rating	Primary Voltage	Secondary Voltage	
<i>kW (Hp)</i>	<i>kVA</i>	<i>Volts</i>	230V AC Catalog Number	460V AC Catalog Number
1.2-2.2 (1.5-3)	5	230	1321-3TW005-AA	—
		460	1321-3TW005-BA	—
3.7 (5)	7.5	230	1321-3TW007-AA	1321-3TW007-AB
		460	1321-3TW007-BA	1321-3TW007-BB
5.5 (7.5)	11	230	1321-3TW011-AA	1321-3TW011-AB
		460	1321-3TW011-BA	1321-3TW011-BB
7.5 (10)	14	230	1321-3TW014-AA	1321-3TW014-AB
		460	1321-3TW014-BA	1321-3TW014-BB
11 (15)	20	230	1321-3TW020-AA	1321-3TW020-AB
		460	1321-3TW020-BA	1321-3TW020-BB
15 (20)	27	230	1321-3TW027-AA	1321-3TW027-AB
		460	1321-3TW027-BA	1321-3TW027-BB
18.5 (25)	34	230	1321-3TW034-AA	1321-3TW034-AB
		460	1321-3TW034-BA	1321-3TW034-BB
22 (30)	40	230	1321-3TW040-AA	1321-3TW040-AB
		460	1321-3TW040-BA	1321-3TW040-BB
30 (40)	51	230	1321-3TW051-AA	1321-3TW051-AB
		460	1321-3TW051-BA	1321-3TW051-BB
37 (50)	63	230	1321-3TH063-AA	1321-3TH063-AB
		460	1321-3TH063-BA	1321-3TH063-BB
45 (60)	75	230	1321-3TH075-AA	1321-3TH075-AB
		460	1321-3TH075-BA	1321-3TH075-BB
56 (75)	93	230	1321-3TH093-AA	1321-3TH093-AB
		460	1321-3TH093-BA	1321-3TH093-BB
75 (100)	118	230	1321-3TH118-AA	1321-3TH118-AB
		460	1321-3TH118-BA	1321-3TH118-BB
93 (125)	145	230	1321-3TH145-AA	1321-3TH145-AB
		460	1321-3TH145-BA	1321-3TH145-BB
112 (150)	175	230	1321-3TH175-AA	1321-3TH175-AB
		460	1321-3TH175-BA	1321-3TH175-BB
149 (200)	220	230	1321-3TH220-AA	1321-3TH220-AB
		460	1321-3TH220-BA	1321-3TH220-BB
187 (250)	275	230	1321-3TH275-AA	1321-3TH275-AB
		460	1321-3TH275-BA	1321-3TH275-BB
224 (300)	330	230	1321-3TH330-AA	1321-3TH330-AB
		460	1321-3TH330-BA	1321-3TH330-BB
298 (400)	440	230	—	1321-3TH440-AB
		460	—	1321-3TH440-BB
373 (500)	550	230	—	1321-3TH550-AB
		460	—	1321-3TH550-BB
448 (600)	660	230	—	1321-3TH660-AB
		460	—	1321-3TH660-BB

① Note the discount schedule difference between Bulletin 1321 and 1397 products.

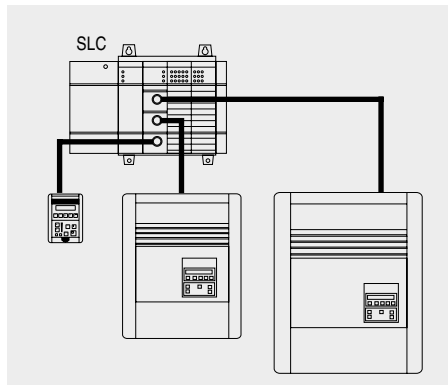
② kW ratings are based on rated input voltage.



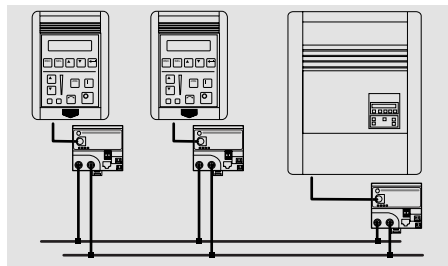
Communication Option Kits<sup>4</sup>



GD1/GD2 – Typical Configuration



SM1 – Typical Configuration

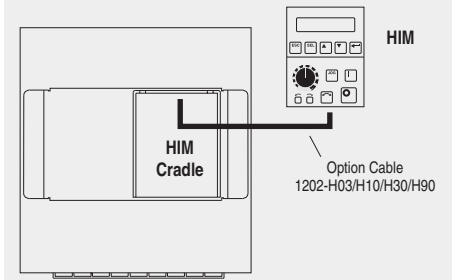
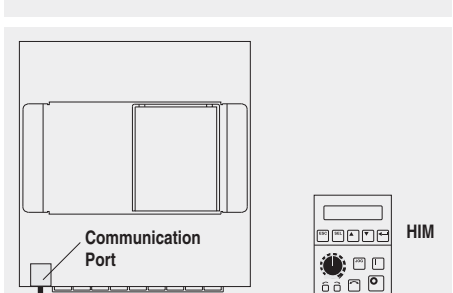


CN1 – Typical Configuration

Description	Used with . . .	Catalog Number (Loose Kit)
Remote Mounted (DIN Rail) – 115V AC Requires 115V AC power supply Single Point Remote I/O RS232/422/485, DF1 and DH485 Protocol	All Drive Ratings	1203-GD1 ❶ 1203-GD2 ❶
Remote Mounted (DIN Rail) – 24V DC Requires 24V DC power supply Single Point Remote I/O RS232/422/485, DF1 and DH485 Protocol DeviceNet™ Enhanced DeviceNet™	All Drive Ratings	1203-GK1 ❶ 1203-GK2 ❶ 1203-GK5 ❶ 1203-GU6 ❶❷
ControlNet™ to SCANport Adapter ❶❷ Remote Mounted (DIN Rail) Requires 24VDC power supply	All Drive Ratings	1203-CN1 ❶❷
EtherNet/IP to SCANport Adapter ❶❷ Remote Mounted (DIN Rail), 24V DC Requires 24VDC power supply AC to DC Power Receptacle	All Drive Ratings	1203-EN1 ❶❷ 20-XCOMM-AC-PS1
Serial Flash Cable Connects CN1, GU6 and SSS to a computer RS-232 port for adapter programming and for DriveTools32 & DriveExplorer™ serial interface.	All Drive Ratings	1203-SFC
SLC™ Communication Module (SLC 500 to SCANport Module) Provides a connection for up to 3 drive products.	All Drive Ratings	1203-SM1 ❶
Smart Self-powered Serial Converter Includes 1203-SFC and 1202-C10 Cables	All Drive Ratings	1203-SSS 1203-SNM
Universal Serial Bus™ (USB) Converter Includes 2m USB, 20-HIM-H10 & 22-HIM-H10 Cables	All Drives	1203-USB
Communication Option Cable Kit 0.33 Meters (1.1 Feet) 1 Meter (3.3 Feet) 3 Meter (9.8 Feet) 9 Meter (29.5 Feet)	All Communication Options Listed	1202-C03 1202-C10 1202-C30 1202-C90
SCANport Expander Module One to Two One to Four One to Two Port Splitter Cable	All Drive Ratings	1203-SG2 1203-SG4 1203-S03

- ❶ Requires a Communication Option Cable (1202-C03/C10/C30/C90) to be functional. These units are not acceptable for NEMA/UL Type 4 door mounting or UL Type 4X outdoor duty.
- ❷ Adapter is programmed/configured via RS-232 using the 1203-SFC cable, (purchased separately) and using a compatible network specific software tool.
- ❸ Discount Schedule C2.
- ❹ Options mount separately from the drive chassis. For a more functionally complete description of each option, refer to publication 1397-BR001.

### Human Interface Module (HIM) Options

	Description	Used With . . .	Catalog Number
	Human Interface Modules IP 20 (NEMA/UL Type 1) Blank — No Functionality Programmer Only Programmer/Controller w/Analog Pot Programmer/Controller w/Digital Pot	All Drives	1201-HAB ❶ 1201-HAP ❶ 1201-HA1 ❶ 1201-HA2 ❶
	Human Interface Modules IP 66 (NEMA/UL Type 12/UL Type 4X Indoor) Programmer Only Programmer/Controller w/ Digital Pot	IP 66 (NEMA/UL Type 12/UL Type 4X Indoor) Enclosures	1201-HJP ❶ 1201-HJ2 ❶
	Option Cable Kit - Connect to HIM Cradle Port 0.33 Meters (1.1 Feet) 1 Meter (3.3 Feet) 3 Meter (9.8 Feet) 9 Meter (29.5 Feet)	HIMs not mounted in the HIM cradle but connected to the HIM Cradle Port	1202-H03 1202-H10 1202-H30 1202-H90
	Option Cable Kit - Connect to Comm Port 0.33 Meters (1.1 Feet) 1 Meter (3.3 Feet) 3 Meter (9.8 Feet) 9 Meter (29.5 Feet)	HIMs not mounted in the HIM cradle but connected to the HIM Comm Port	1202-C03 1202-C10 1202-C30 1202-C90
	IP 20 (NEMA/UL Type 1) Door Mounted Bezel Kit	User Supplied IP 20 (NEMA/UL Type 1) Enclosures and HIM	1201-DMA

❶ If this option is mounted separately or used as a hand-held device, an Option Cable Kit is required.

### Accessories & Spare Parts

Description	Catalog Number
Blower Motor/Starter, 0.4-0.63A	1397-MB006
Blower Motor/Starter, 0.63-1.0A	1397-MB010
Blower Motor/Starter, 1.0-1.4A	1397-MB014
Blower Motor/Starter, 1.4-1.8A	1397-MB018
Blower Motor/Starter, 1.7-2.4A	1397-MB024
Blower Motor/Starter, 2.2-3.1A	1397-MB031
Blower Motor/Starter, 2.8-4.0A	1397-MB040
Blower Motor/Starter, 3.5-5.0A	1397-MB050
Blower Motor/Starter, 4.5-6.5A	1397-MB065
Blower Motor/Starter, 6.0-8.5A	1397-MB085
Blower Motor/Starter, 7.5-11.0A	1397-MB110
Pulse Encoder Interface	1397-PE
AC Tach Interface Module	1397-AC
Enhanced Field Supply for 230/460V & 10A	1397-FS3010
Enhanced Field Supply for 230/460V & 20A	1397-FS3020
Regulated Field Supply, 4A	1397-FS2004
Regulated Field Supply, 10A	1397-FS2010
Regulated Field Supply, 15A	1397-FS2015
Control Interface, 115V AC	1397-L10
I/O Expansion Card	1397-L11
1397-FC0300V Fuse Conv., 3-60 Hp @ 460V to 1.5-30 Hp @ 230V	1397-FC030
460V TO 230V Fuse Conv.,75-150 Hp @ 460 to 40-75 Hp @ 230	1397-FC075
Line Disconnect, 1.5-25 Hp @ 230V, 3-50 Hp @ 460V	1397-DS050
Line Disconnect, 30 Hp @ 230V, 60 Hp @ 460V	1397-DS060
Line Disconnect, 30-60 Hp @ 230V,75-125 Hp @ 460V	1397-DS125
Line Disconnect, 75 Hp @ 230V, 150 Hp @ 460	1397-DS150
Disconnect Switch, 200 Hp, 460V AC	1397-DS200
Disconnect Switch, 250-300 Hp,460V AC	1397-DS300
Disconnect Switch, 500 Hp @ 460V AC	1397-DS500
Disconnect Switch, 600 HP @ 460V AC	1397-DS600