



## HVAC Drives Cross Reference Quick Guide

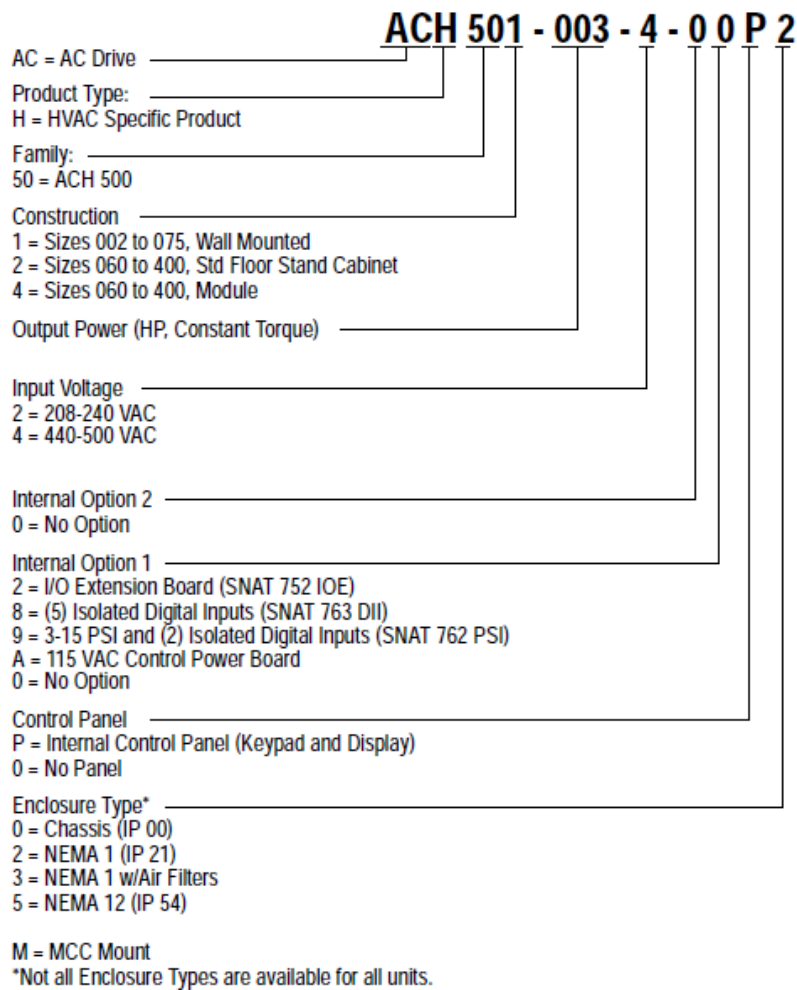
June 2, 2011

### Purpose

The purpose of this document is to provide a resource to aid in cross referencing between generations of ABB HVAC drives. The document essentially dissects the model numbers for the ACH500, the ACH400, and finally the ACH550. Also included are the part numbers associated with ABB's bypass offerings, and commonly used plus codes.

### Part I – ACH500

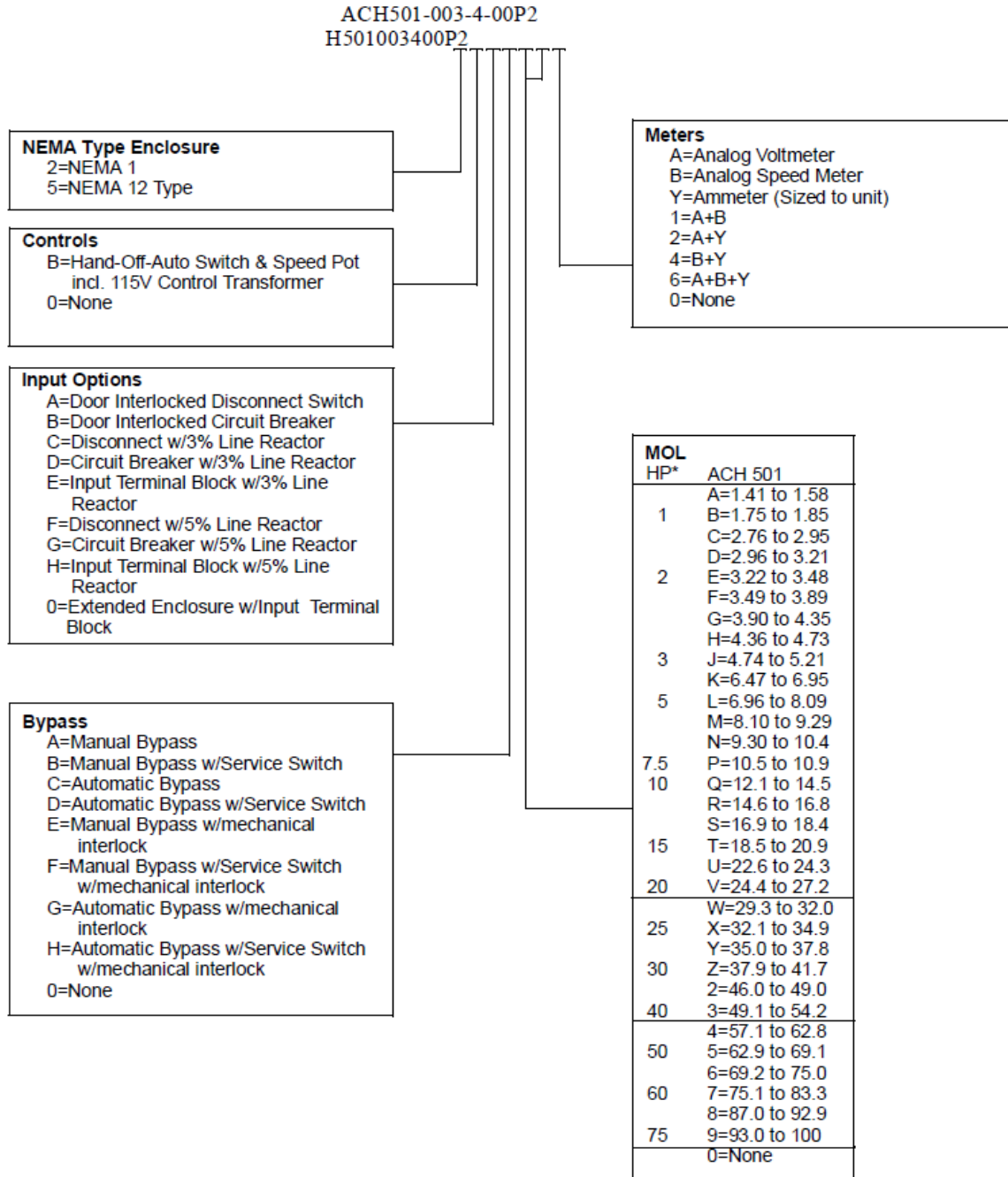
*Base drive* model number description:





**Part I – ACH500 continued...**

Drive with bypass model number description:



\* Horsepowers listed are estimated only for 460 volts. MOL's MUST be sized for the specific motor. Horsepowers for 230 V are half the horsepower at 460 V.



**Part I – ACH500 continued...**

Drive with **MINI** bypass model number description:

**ACH 501 - 002 - 4 - 0 0 P 2 - MB**

Construction  
1 = Sizes 003 to 050, Wall Mounted

Output Power (HP, Variable Torque)  
Input Voltage  
4 = 440-500 VAC

Internal Option 2  
0 = No Option  
N = N2Bus Serial Communication Protocol  
L = P1Bus Serial Communication Protocol  
Internal Option 1  
0 = No Option  
B = LonWorks Communication Board (LON078)

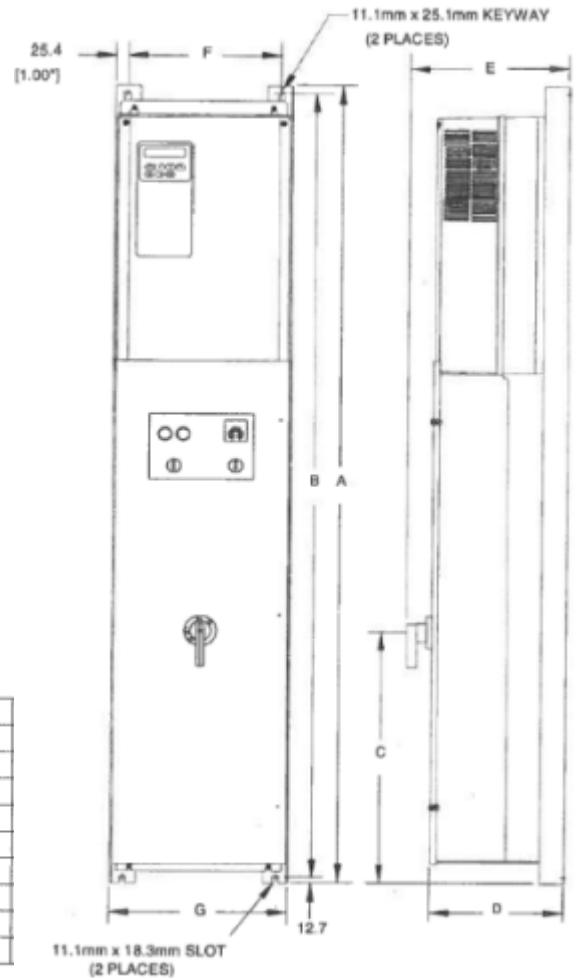
Other Options  
MB = Mini Bypass

Enclosure Type  
2 = NEMA 1 (IP 21)

Control Panel  
P = Internal Control Panel  
(Keypad and Display)

- Extended Enclosure
- Door Interlocked Fused Disconnect (Padlockable)
- One Motor Overload Relay (Class 10)
- 3 Contactor Bypass (Input, Output and Bypass)
- Drive-Off-Bypass Switch
- Hand-Off-Auto Switch and Speed Pot
- 2 Pilot Lights (Drive, Bypass)
- UL, CUL Listed and CSA approved

	R2		R3		R4	
	in.	mm	in.	mm	in.	mm
A	42.74	1085.6	45.13	1146.2	57.61	1463.2
B	41.62	1057.1	44.00	1117.7	56.48	1434.6
C	13.87	352.2	13.49	342.7	16.44	417.5
D	8.18	207.8	8.44	214.2	10.08	255.9
E	9.84	250.1	8.32	211.4	12.07	306.5
F	7.01	177.9	7.99	202.9	9.96	252.9
G	9.02	229.0	10.00	254.0	11.96	303.7
Weight	84.8 lbs	38.5 Kg	94.4 lbs	42.8 Kg	136.0 lbs	61.7 Kg



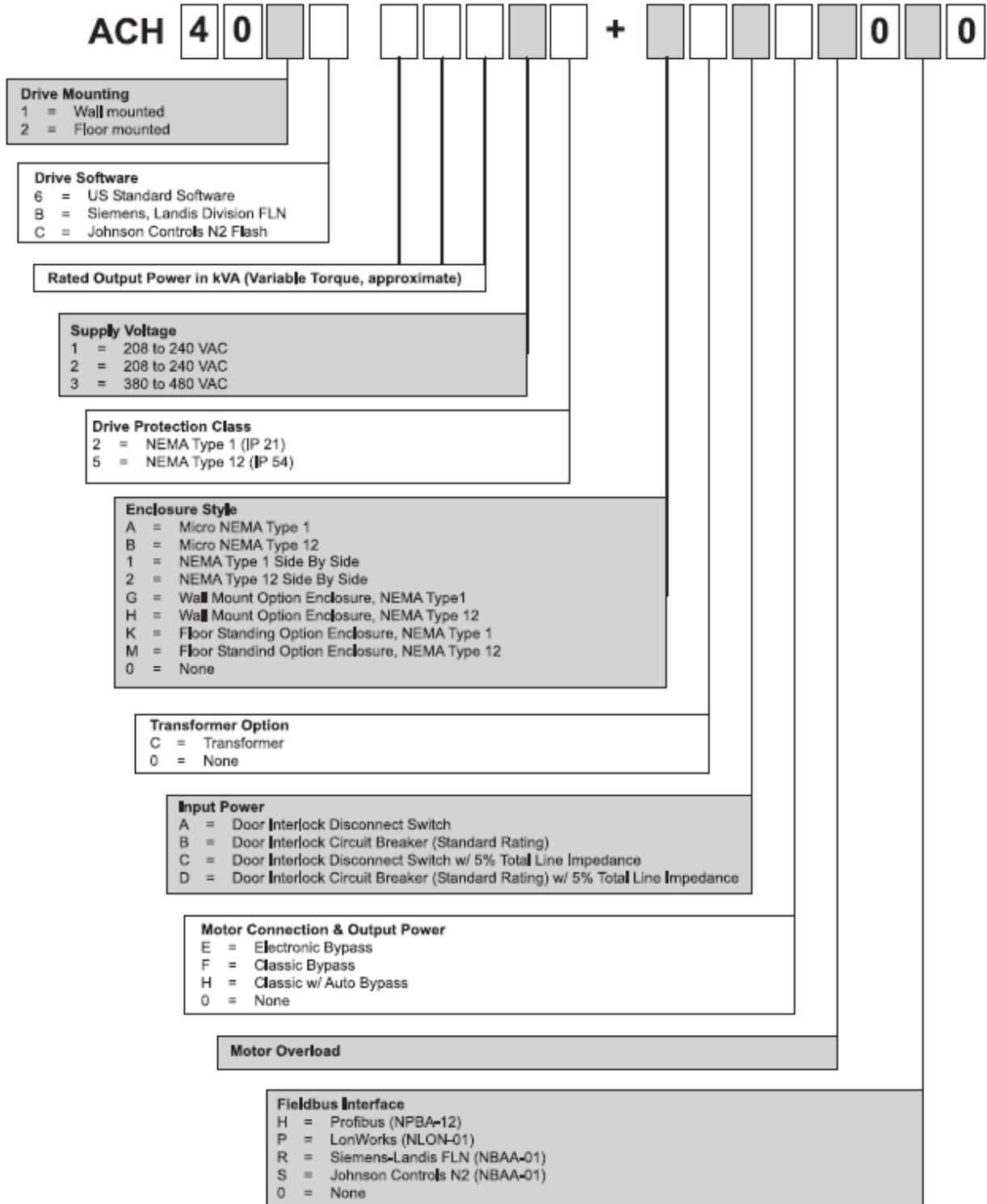
R2 - R5



**Part II – ACH400**

Base drive & drive with bypass model number description:

(Note: power rating in kVA for the ACH400)





**Part II – ACH400 continued...**

Since the ACH400 P/N is based on kVA, included here is a list of the configuration codes and the associated HP ratings for both 230 & 480V class drives:

**230VAC:**

Config Codes	HP
ACH401600422	3
ACH401600522	5
ACH401600622	7.5
ACH401600922	10
ACH401601122	15
ACH401601622	20
ACH401602022	25
ACH401603022	30
ACH401604122	40
ACH401606012	50
ACH401607012	60
ACH401608012	75
ACH401610012	100

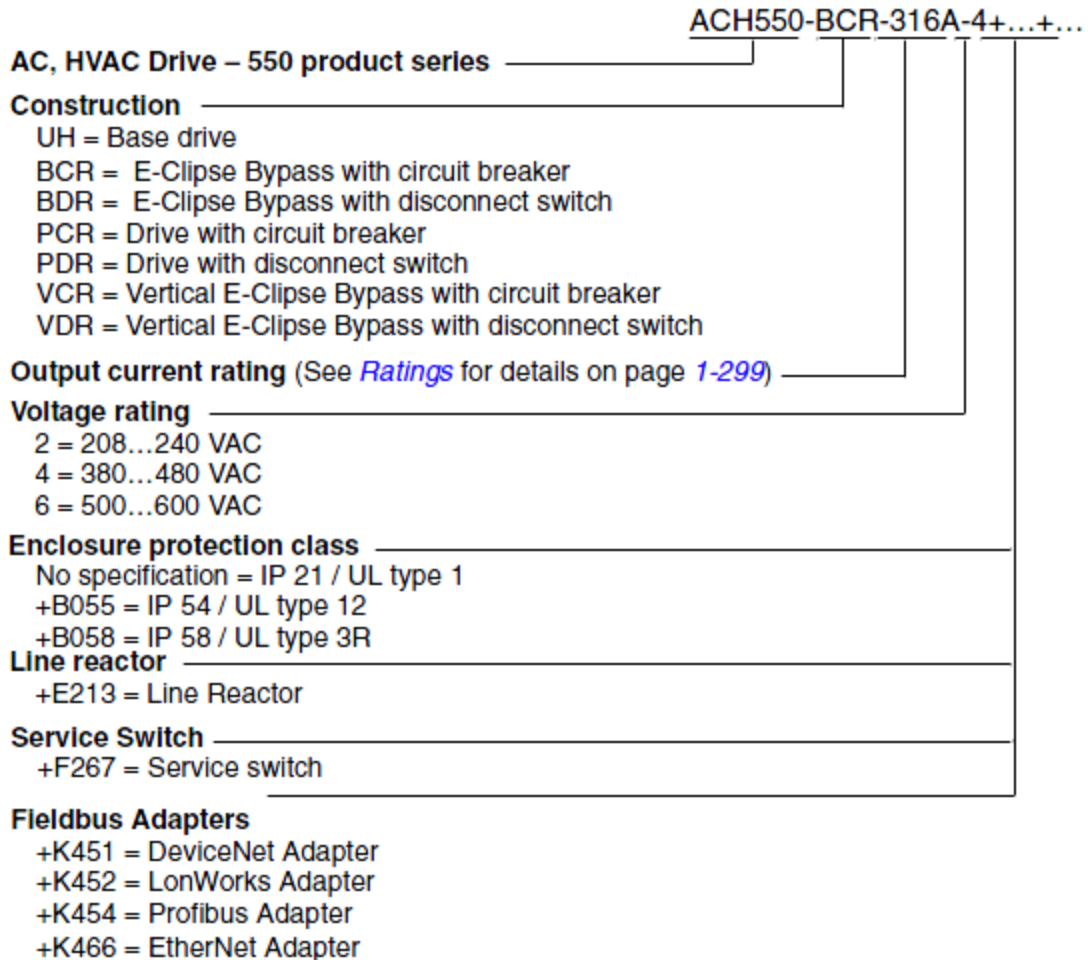
**480VAC:**

Config Codes	HP
ACH401600432	3
ACH401600532	5
ACH401600632	7.5
ACH401600932	10
ACH401601132	15
ACH401601632	20
ACH401602032	25
ACH401602532	30
ACH401603032	40
ACH401604132	50
ACH401606032	60
ACH401607032	75
ACH401610032	100
ACH401612032	125
ACH401614032	150
ACH402612032 <sup>†</sup>	125
ACH402614032 <sup>†</sup>	150
ACH402621032 <sup>†</sup>	200
ACH402626032 <sup>†</sup>	250
ACH402632032 <sup>†</sup>	300
ACH402640032 <sup>†</sup>	400



## Part III – ACH550

Base drive & drive with bypass model number description:





## Part IV – Commonly Used Plus Codes (options)

ABB plus codes are alpha-numeric in nature, e.g. +B055. The letter indicates the category for the plus code. In the +B055 example, the 'B' indicates that the plus code group is defined as protection class (i.e. NEMA/UL environmental ratings), and the number is simply an incremental digit that is assigned to the specific option. In this case the 055 indicates UL TYPE 12 / IP54 / NEMA 12. The list below is broken up by plus code group with all associated options in that group. One point that needs to be recognized is that these codes span across multiple drive models, and **should not be used for ordering**, only as reference.

### A – Input Bridge:

+A001	DC-input
+A002	1 phase Diode Bridge
+A003	3 phase Diode Bridge
+A004	12-pulse Diode Bridge
+A005	18-pulse Diode Bridge
+A006	24-pulse Diode Bridge
+A007	1 phase Thyristor Bridge
+A008	3 phase Thyristor Bridge
+A009	12-pulse Thyristor Bridge
+A010	12-pulse Regenerative Thyristor Bridge
+A011	PWM Input Bridge
+A012	Supply Frequency 50 Hz
+A013	Supply Frequency 60 Hz
+A014	Supply Frequency 50/60 Hz
+A015	TN network
+A016	TN-S Network
+A017	IT- Network
+A018	Half controlled diode bridge

### B – Protection Class:

+B050	IP00, open chassis
+B051	IP20, finger safe
+B052	IP21, UL type 1, NEMA 1
+B053	IP22, UL type 1, NEMA 1
+B054	IP42, UL type 1, NEMA 1
+B055	IP54, UL type 12, NEMA12
+B056	IP55, UL type 12, NEMA12
+B057	IP65, UL Type 4, NEMA4
+B058	UL Type 3R, NEMA 3R
+B059	IP54R
+B060	Prevention of unintentional touching
+B061	IP20 / NEMA1
+B062	IP32
+B063	IP66



## C – Construction:

- +C100 Floor Enclosure
- +C101 Floor Enclosure + 600 mm
- +C102 Floor Enclosure + 800 mm
- +C103 Micro Enclosure
- +C104 Option Pack
- +C105 Add-A-Box
- +C106 MCC Sectional Unit, Allen Bradley Bulletin 2100 Centerline
- +C107 Wall Mounted
- +C108 Cabinet Installed
- +C109 Free Standing
- +C110 Option box on top
- +C111 Enclosure extension
- +C112 C112 was "no enclosure extension", the code is now 0C111. "no" - option codes are not used anymore.
- +C113 Lower Unit
- +C114 Pad Mounting Legs
- +C115 3 Point Latch
- +C116 3 Point Latch Handle Guard
- +C117 Inner Swing Panel
- +C118 Outer Door Cover
- +C119 Solid Door
- +C120 Tamperproof Hardware
- +C121 Marine construction
- +C122 Horizontal mounting
- +C123 Control board heating
- +C124 Control board cooling 1
- +C125 Control board cooling 2
- +C126 Speed controlled cooling fan
- +C127 Enclosure extension with UL/CSA components
- +C128 Air inlet through bottom
- +C129 UL approved components
- +C130 Air outlet duct connection
- +C131 Vibration dampers
- +C132 Marine type approved
- +C133 Marine type top and floor fixing
- +C134 CSA approved components
- +C135 Flange mounting
- +C136 OEM configuration 1
- +C137 Fan on off control
- +C138 Liquid cooling unit , line up connected
- +C139 Liquid cooling unit , stand alone
- +C140 Single pump
- +C141 Redundant pump
- +C142 Pipe connection on bottom
- +C143 Pipe connection on right
- +C144 Pipe connection on left
- +C145 ANSI flanges
- +C146 Sea water heat exchanger





- +C147 3-way valve
- +C148 Pipe connection on right (slave unit)
- +C149 Pipe connection on left (slave unit)
- +C160 Back to back installation
- +C161 Removable doors
- +C162 Empty cabinet on left
- +C163 Empty cabinet on right
- +C164 Plinth for the cabinet
- +C165 Stainless steel enclosure
- +C166 Hinged door
- +C167 Pipe connection without thread
- +C168 Control unit cover
- +C169 Pressure relief valve
- +C170 Redundant Drive Package

#### D – Resistor Braking:

- +D150 Braking Chopper type 1
- +D151 Braking Resistor
- +D152 Braking Chopper type 2
- +D153 Braking Chopper type 3

#### E – Filters:

- +E200 EMC/RFI-filters, 2nd Environment, Unrestricted (Earthed Network)
- +E201 EMC/RFI-filters, 2nd Environment, Unrestricted (Unearthed Network)
- +E202 EMC/RFI-filters, 1st Environment, Restricted (A-limits, Earthed Network)
- +E203 EMC/RFI-filters, 1st Environment, Restricted (A-limits, Unearthed Network)
- +E204 dU/dt Limitation, Type 1 (by Gate Drivers)
- +E205 dU/dt Limitation, Type 2 (by Choke)
- +E206 Sine Output Filter
- +E207 5% Line Impedance
- +E208 Common Mode Filter
- +E209 Common Mode Filter (Light)
- +E210 EMC/RFI-filters, 2nd Environment, Unrestricted (Earthed/Unearthed Network)
- +E211 Input Harmonic Filter
- +E212 Film capacitors
- +E213 AC Line Reactor for an Option Configuration

#### F – Line Options:

- +F250 Line Contactor
- +F251 gG Line Fuses
- +F252 Terminal Block
- +F253 Door Interlock Disconnect Switch
- +F254 Door Interlock Disconnect Fuse Switch
- +F255 Door Interlock Circuit Breaker (Standard Rated KAIC)



+F256	Door Interlock Circuit Breaker (65 KAIC)
+F257	Flange Mounted Door Interlock Circuit Breaker (Standard Rated KAIC)
+F258	Flange Mounted Door Interlock Circuit Breaker (65 KAIC)
+F259	Earthing Switch
+F260	aR Line Fuses (semiconductor fuses)
+F261	Surge Arrestor - Low Energy Rating
+F262	Surge Arrestor - Medium Energy Rating
+F263	Surge Arrestor - High Energy Rating
+F264	Surge Arrestor - Highest Energy Rating
+F265	Input Isolation Transformer
+F266	DC Switch fuse
+F267	Service switch
+F268	Common DC Switch fuse
+F269	Output contactor
+F270	Output earthing switch
+F271	Output earthing terminals
+F272	Internal charging
+F273	No charging circuit
+F274	100kA Short Circuit rating
+F275	Wind turbine power cabinet
+F276	Ride through
+F277	Flange Mounted Operating Mechanism for Main Disconnect Means
+F278	Drive main switch
+F279	Overvoltage protection - supply and generator side
+F280	Overvoltage protection - supply side
+F281	Overvoltage protection - generator side

#### G – Cabinet Options:

+G300	Cabinet Heater
+G301	Cabinet Lighting
+G302	Hand - Off - Auto Switch
+G303	Speed Potentiometer
+G304	115 VAC Control Transformer
+G305	115 VAC Control Transformer + 200 VA Extra
+G306	115 VAC Control Transformer + 350 VA Extra
+G307	Terminals for External 230/115 VAC Control Voltage
+G308	Two Motor Select with Auto and Manual Switchover
+G309	Electronic Bypass
+G310	Manual Bypass with Selector Switch & Interlock
+G311	Auto Bypass with Selector Switch
+G312	Air filters
+G313	Output for Motor Heater
+G314	Aluminium DC Busbars
+G315	Tin Plated Copper DC Busbars
+G316	Cable Supply Conductors
+G317	Busbar Supply Conductors
+G318	Power supply for control board from internal 230/115 VAC
+G319	Dual Motor



- +G320 230 VAC Control Transformer
- +G321 230 VAC Control Transformer + 200 VA Extra
- +G322 230 VAC Control Transformer + 350 VA Extra
- +G323 Cabinet Heater - Cold Weather
- +G324 115vac Receptacle - US Style
- +G325 Start/Stop Selector Switch
- +G326 Auto Bypass - External
- +G327 Ready Pilot Light
- +G328 Run Pilot Light
- +G329 Fault Pilot Light
- +G330 Halogen free wiring
- +G331 E-stop push button on door
- +G332 Electrical Disconnect push button
- +G333 kW meter on door
- +G334 Voltmeter with selector switch
- +G335 Current meter
- +G336 Arc monitoring
- +G337 Arc monitoring with current sensing unit
- +G338 Wire marking class A1
- +G339 Class A2, equipment and terminal block pin numbers printed on conductors
- +G340 Class A3, like A2 but marking by rings
- +G341 Class B1, equipment and terminal block pin numbers and equipment Ids marked by rings
- +G342 Class C1, like B1 but remote end address is also marked
- +G343 Corrosion indicator
- +G344 Auxiliary transformer
- +G345 Cabinet dehumidification
- +G346 Off-load reconfiguration
- +G347 On-load reconfiguration
- +G348 Double winding control
- +G349 Damper control for classic bypass
- +G390 Soft start in bypass
- +G391 Special nameplate1
- +G392 External fault pilot light
- +G393 Elapsed time meter
- +G394 3 phase voltage monitor
- +G395 Common start for bypass packages
- +G396 Auxiliary power supply, size 1
- +G397 Auxiliary power supply, size 2
- +G398 Auxiliary power supply, size 3
- +G399 Auxiliary power supply, size 4
- +G400 Special sealing
  
- +G401 Start/Stop Push Buttons
- +G402 Fireman's override
- +G403 Power On pilot light
- +G404 Reset button
- +G405 Multiple Motors (MMPs)



## H – Cabling:

+H350	Bottom Entry
+H351	Top Entry
+H352	Bottom Exit
+H353	Top Exit
+H354	Cabling pedestal
+H355	Vertical motor cable connection busbars
+H356	DC cable connection busbars
+H357	Cable Lead Through Entry (European)
+H358	Cable Conduit Entry 1
+H359	Common Motor Terminal Cubicle
+H360	Flat type (side against wall) cabling pedestal
+H361	External Junction Box
+H362	Vertical DC cable connection busbars
+H363	DC and braking chopper outputs on different sides
+H364	Cable Conduit Entry 2
+H365	Cable Conduit Entry 3
+H366	Common output terminal
+H367	Control cable bottom entry / exit
+H368	Control cable top entry / exit
+H369	Common input terminal cubicle
+H370	Cable size 1
+H371	Cable size 2
+H372	Cable size 3
+H373	Cable size 4
+H374	Cable size 5
+H375	Cable size 6
+H376	Cable gland kit

## J – Keypad Options

+J400	Control Panel
+J401	Drive Monitoring Display
+J402	Potentiometer
+J404	Basic Control Panel
+J406	Data Logger w/display and Mouse
+J407	Data Logger w/o Display
+J408	Data Logger-to-External PC Port
+J409	Control panel cable (1 m)
+J410	Control panel mounting platform 1
+J411	Remote supply control
+J412	Common control panel
+J413	Control panel mounting platform 2
+J414	Control panel mounting platform 3
+J415	OEM control panel 1
+J416	Control panel, language group 1
+J417	OEM control panel 2



- +J418 OEM control panel 3
- +J419 Installed window kit for control panel
- +J420 OEM control panel 4

#### K – Fieldbus Options:

- +K450 Panel Bus Connection Interface
- +K451 DeviceNet
- +K452 LONWORKS
- +K453 InterBUS-S
- +K454 PROFIBUS DP
- +K455 Modbus Plus
- +K456 AF100
- +K457 CANopen
- +K458 Modbus
- +K459 CS-31
- +K460 FLN Landis&Staefa (Siemens)
- +K461 N2 Johnson Controls
- +K462 Control Net
- +K464 Ethernet Remote diagnostics)
- +K465 Building Automation Control Network (Bacnet before it was embedded)
- +K466 Ethernet (Modbus/TCP,EtherNet/IP)
- +K467 Ethernet (Modbus/TCP,Profinet)
- +K468 Modbus OEM version

#### L – I/O Options:

- +L500 Analog I/O Extension
- +L501 Digital I/O Extension
- +L502 HTL Pulse Encoder
- +L503 DDCS Communication 3
- +L504 Additional IO-Terminal Block
- +L505 Thermistor Relay
- +L506 PT100 Relay
- +L507 115 VAC Input
- +L508 DDCS Communication 1
- +L509 DDCS Communication 2
- +L510 Namur I/O
- +L511 Relay output extension
- +L512 115/230 V Digital input
- +L513 ATEX Certified PTC interface
- +L514 ATEX Certified PT100 interface
- +L515 I/O extension adapter
- +L516 Resolver
- +L517 TTL Pulse Encoder
- +L518 Absolute encoder



+L519 Analog /digital I/O Extension

M – Starter for Aux Motor Fan Options:

+M600	1...1,6 A IEC
+M601	1,6...2,5 A
+M602	2,5...4 A
+M603	4...6,3 A
+M604	6,3...10 A
+M605	10...16 A
+M606	16...25 A
+M607	22...32A
+M608	28...40 A
+M609	40...50 A
+M611	4.74 to 5.21 Class 20
+M612	6.96 to 8.09
+M613	10.5 to 10.9
+M614	12.1 to 14.5
+M615	14.6 to 16.8
+M616	16.9 to 18.4
+M617	18.5 to 20.9
+M618	22.6 to 24.3
+M619	24.4 to 27.2
+M620	29.3 to 32.0
+M621	32.1 to 34.9
+M622	35.0 to 37.8
+M623	37.9 to 41.7
+M624	46.0 to 49.0
+M625	49.1 to 54.2
+M626	57.1 to 62.8
+M627	62.9 to 69.1
+M628	75.1 to 83.3
+M629	93.0 to 100
+M630	114 to 125.9
+M631	139 to 153
+M632	164 to 180
+M633	Motor in delta connection
+M634	Motor in star connection

N – Software Options:

+N650	Pump and Fan Control (PFC)
+N651	Master-Follower
+N652	Crane Drive Control
+N653	Application Program Template
+N654	Spinning Control
+N655	PCP for Oil Industry
+N656	Rod Pump for Oil Industry
+N657	Injection Molding



- +N658 P-Jump, Thread Bobbin Winding
- +N659 Lead Section
- +N660 Inline - Draw / Dancer / Tension / Load Share
- +N661 Center Winder - Unwind
- +N662 External Control - Speed / Torque Slave
- +N663 Industrial Control
- +N664 Standard
- +N665 Standard (US)
- +N666 Extruder Control
- +N667 Decanter Control
- +N668 Traverse Control
- +N669 Centrifuge Control
- +N670 Step up/Sine Filter Application
- +N671 System Application
- +N672 OEM Crane Control
- +N673 Special
- +N674 ESP for Oil Industry
- +N675 Rod Pump Lite for Oil Industry
- +N676 Methane for Gas Industry
- +N677 PMSM control - system application
- +N678 Dynamometer (Test Stand)
- +N679 PMSM - STD
- +N680 PMSM - External Control
- +N681 OEM Slew control
- +N682 Multiblock
- +N683 OEM Bowl control
- +N684 OEM Scroll control
- +N685 Motion Control
- +N686 OEM Standard control 1
- +N687 Pump control
- +N688 Korea OEM version 1 (50 Hz limit)
- +N689 Korea OEM version 2 (55 Hz limit)
- +N690 OEM special software1
- +N691 OEM Pump software
- +N692 China Pump control
- +N693 OEM software 6? (ITT)
- +N694 IGBT supply control
- +N695 OEM rolling mill control
- +N696 OEM second torque estimate application
- +N697 Crane Control (basic)
- +N698 Winch control
- +N699 OEM software (Automatic systems)
- +N800 OEM software (Marley)
- +N801 OEM software (Wolffkran 1)
- +N802 OEM software (Wolffkran 2)
- +N803 OEM software (Wolffkran 3)
- +N804 OEM software (Wolffkran 4)
- +N805 OEM software (Wolffkran 5)
- +N806 OEM software (Wolffkran 6)



## P – Specialty Options:

+P901	Coated Boards
+P902	Customised (Described in Technical appendix)
+P903	Blank Package
+P904	Extended Warranty 1
+P905	Control Board Inside Converter Module
+P906	Control Board Outside Converter Module
+P907	Cabinet mounting kit
+P908	Preassembled drive
+P909	Extended Warranty 2
+P910	Service plan 1
+P911	Service plan 2
+P912	Seaworthy packing
+P913	Special colour
+P914	Custom specific documentation
+P915	Service plan 3
+P916	Distance cost
+P917	Enclosed Retrofits
+P918	Assembled in USA
+P919	Option configuration 1
+P920	Service plan 4
+P921	Special ambient conditions
+P922	Module for ABB cabinet assembly

## R – Documentation Language Options:

+R700	English
+R701	German
+R702	Italian
+R703	Dutch
+R704	Danish
+R705	Swedish
+R706	Finnish
+R707	French
+R708	Spanish
+R709	Portuguese (spoken in Portugal)
+R710	Portuguese (spoken in Brazil)
+R711	Russian
+R712	Chinese
+R713	Polish
+R714	Turkish
+R715	Documentation
+R720	Customer specific manual English
+R721	Customer specific manual German
+R722	Customer specific manual Italian
+R723	Customer specific manual Dutch





- +R724 Customer specific manual Danish
- +R725 Customer specific manual Swedish
- +R726 Customer specific manual Finnish
- +R727 Customer specific manual French
- +R728 Customer specific manual Spanish
- +R729 Customer specific manual Portuguese (spoken in Portugal)
- +R730 Customer specific manual Portuguese (spoken in Brazil)
- +R731 Customer specific manual Russian
- +R732 Customer specific manual Chinese
- +R733 Customer specific manual Polish
- +R734 Customer specific manual Turkish
- +R735 Customer specific manual Norwegian

#### Q – Safety Feature Options:

- +Q950 STO Safe torque off
- +Q951 Emergency Stop, stop cat.0 with main contactor/breaker
- +Q952 Emergency Stop, stop cat.1 with main contactor/breaker
- +Q953 Earth Fault Monitoring, Earthed Mains
- +Q954 Earth Fault Monitoring, Unearthed Mains
- +Q955 Remote Run Enable
- +Q956 Local Run Enable
- +Q957 Safety relay for prevention of unexpected startup
- +Q958 Quick Prevention of Unexpected Startup
- +Q959 Tripping push button for external breaker
- +Q960 Tripping push button for internal breaker
- +Q961 Safety category 3
- +Q962 Safety category 1
- +Q963 Emergency Stop, stop cat.0 without main contactor/breaker
- +Q964 Emergency Stop, stop cat.1 without main contactor/breaker
- +Q965 SLS Safely limited speed

#### V – Version:

- +V991 Version 1
- +V992 Version 2
- +V993 Version 3
- +V994 Refurbished

#### X – OEM Specific Options:

- +X1001 Brake control unit (standard)
- +X1002 Brake control unit (boost)
- +X1003 Acum brake control connection
- +X1004 Rope gripper
- +X1005 Medium distance cabling for braking



- +X1006 Long distance braking cabling for braking
- +X1007 Medium distance cabling for automation system
- +X1008 Long distance cabling for automation system
- +X1009 Delivery terms 1
- +X1010 Delivery terms 2
- +X1011 Delivery terms 3
- +X1012 Carrier Factory Bypass
- +X1013 Carrier Factory Disconnect
- +X1014 Carrier Field Bypass
- +X1015 Carrier Field Disconnect
- +X1016 Trane T-Series, CB, 100
- +X1017 Trane T-Series, CB, 500
- +X1018 Trane T-Series, CB, 2000
- +X1019 Trane T-Series, CB, 100, NFD
- +X1020 Trane T-Series, CB, 500, NFD
- +X1021 Trane T-Series, CB, 2000, NFD
- +X1022 Trane T-Series Bypass, CB, 100
- +X1023 Trane T-Series Bypass, CB, 500
- +X1024 Trane T-Series Bypass, CB, 2000
- +X1025 Trane T-Series Bypass, CB, 100, NFD
- +X1026 Trane T-Series Bypass, CB, 500, NFD
- +X1027 Trane T-Series Bypass, CB, 2000, NFD
- +X1469 Trane Custom AHU (Panel size 1, 1-5HP with bypass)
- +X1470 Trane Custom AHU (Panel size 2, 7.5-10HP with bypass)
- +X1471 Trane Custom AHU (Panel size 3, 10-20HP with bypass)
- +X1472 Trane Custom AHU (Panel size 4, 20-40HP with bypass)
- +X1473 Trane Custom AHU (Panel size 5, 30-125HP with bypass)
- +X1474 Trane Custom AHU (Panel size 1, 1-5HP without bypass)
- +X1475 Trane Custom AHU (Panel size 2, 7.5-10HP without bypass)
- +X1476 Trane Custom AHU (Panel size 3, 10-20HP without bypass)
- +X1477 Trane Custom AHU (Panel size 4, 20-40HP without bypass)
- +X1478 Trane Custom AHU (Panel size 5, 30-125HP without bypass)
- +X1492 Trane VFD Panel CV (without bypass)
- +X1493 Trane VFD Panel CV (without bypass)
- +X1494 Trane VFD Panel CV (without bypass)
- +X1495 Trane VFD Panel CV (with bypass)
- +X1496 Trane VFD Panel CV (with bypass)
- +X1497 Trane VFD Panel CV (with bypass)
- +X1498 Trane VFD Panel CV (with bypass)