



174Z2431

S102005T1E013CMN2XXSXXZ2XGXXXXXXXXXXXXXX

APU CONSISTING OF:
FC-102 VFD
5HP, 208 Volt, Nema 1

3 Contactor Bypass, Main Disconnect Switch,
100kA SCCR, EMB2 Electro-mech bypass,
No Reactor/Filter, No Brake Chopper,
Graphical, No Conformal Coating,
Single Motor,
X, X
RFI Filter Standard, No Communication Cards,
No Input/Output Cards, No Option C2,
No Software option, No Option D Cards

FRAME SIZE: A3
APU TIER: Tier 2

S102005T1E013CMN2XXSXXZ2XGXXXXXXXXXXXXXX
MECHANICAL DRAWING: 176U8485
ELECTRICAL DRAWING: 007N0302

Model code: S102005T1E013CMN2XXSXXZ2XGXXXXXXXXXXXXXX

VLT® HVAC Drive FC 102 packaged drive solutions offer unique feature-rich design to meet HVAC requirements, maximize uptime, and reduce total cost of ownership. These drives are manufactured to stringent standards in UL-certified facilities and have the same warranties as all other VLT® drive products.

Product details

Characteristic	Value
Gross weight	39.77 Kilogram
Net weight	21.63 Kilogram
Volume	260.114 Liter
EAN	5714853722020
Prefix	Standard
Series	HVAC Drive Advanced
Horsepower	5HP
Voltage	208 Volt

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Product details

Characteristic	Value
Enclosure	Nema 1
Bypass	3 Contactor Bypass
Switches	Main Disconnect Switch
Fusing	100kA SCCR
Control Selection A	EMB2 Electro-mech bypass
Reactor	No Reactor/Filter
Power Rating Style	Current Style A-C frame
Motor Quantity	Single Motor
MOTOR #1	X
MOTOR #2	X
Future Option	NONE
RFI	RFI Filter Standard
Brake	No Brake Chopper
Display	Graphical
Coating	No Conformal Coating
Adaption A	No Adaption A
Adaption B	No Adaption B
Software Release	Latest Software Release
Software Language	Standard Language Pack
Options A	No Communication Cards
Options B	No Input/Output Cards
Options C1	No Option C0
Options C2	No Option C2
Options C3	No Software option
Options D	No Option D Cards
Tiers	Tier 2
Frame Size	A3
Modelcode01	S102005T1E013CMN2XXS
Modelcode02	XXZ2XGXXXXXXXXXXXXXX
Drive Typecode Part 1	FC-102P3K7T2E20H2XGX
Drive Typecode Part 2	XXXSXXXAXBXXXXDX

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Product details

Characteristic	Value
Schematic	007N0302
Installation Drawing	176U8485
Product Catalog	NO VIEW
Calculated Net Weight [kg]	21.63
Calculated Gross Weight [kg]	39.77
Calculated Net Weight [lbs]	47.686
Calculated Gross Weight (lbs)	87.678
Vendor	Cannot Determine Vendor
Label Template	OP100_E01_12_Danfoss_PL.btw
Label stock used for printing	176U9528
Company info 1	Danfoss LLC
Company info 2	Milwaukee, WI 53224, U.S.A.
Company info 3	Tel.: +1 (800) 432-6367
Company info 4	Fax.: +1 (815) 639-8002
Company Service Info #1	See manual 176R0585
Company Service Info #3	Tel.: +1 (800) 432-6367
Company Service Info #4	Fax.: +1 (815) 639-8002
Enclosure rating	UL Type 1
Ambient temp. normal overload	45degC/113degF
Minimum Temperature Rating	0degC/32degF
Humidity	95% Non-Cond.
Label - Frame	Frame A3
Panel Tier Indicator	Tier 2
Input Voltage	208 VAC,
Input frequency	3ph, 60 Hz,
Output frequency	3ph, 0-60 Hz
Input current in Normal Overlo	17.3 A,
Motor HP Rating (Single/CMS)	5.0 HP,
Motor FLA Rating (Single/CMS)	16.7 A,
Fuse 5 ID	F900,F901,F902
Fuse 5 Manufacturer	Bussmann

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Product details

Characteristic	Value
Fuse 5 Type	FWH-020A6F 20A
Fuse 1 ID	F15A, B, C
Fuse 1 Manufacturer	-
Fuse 1 Type	600 VAC, 30 A, CLASS J
Fuse 2 ID	F16A, B, C
Fuse 2 Manufacturer	Bussmann
Fuse 2 Type	LP-CC-30
Short circuit current rating	100 kA
Connection 1 ID	L1, L2, L3/ GND
Connection 1 Torque	17 (1.9)/ 25 (2.8)
Connection 1 Type	Use 75 C Copper Cond.
Connection 2 ID	T1, T2, T3/ GND
Connection 2 Torque	20 (2.3)/ 25 (2.8)
Connection 2 Type	Use 75 C Copper Cond.
Connection 6 ID	TB1
Connection 6 Torque	7 (0.8)
Connection 6 Type	Use Copper Cond.
Panel Schematic	007N0302
Layout Drawing Number	176U8485
ENCLOSURE LAYOUT	176U5305
ELECTRICAL LAYOUT	176U5312
Panel OSHPD 1	OSHPD Pre-Approval:
Panel OSHPD 2	OSP-0087
Panel OSHPD 3	Anchorage: Rigid Wall Mount
Panel OSHPD 4	SDS: 1.58, z/h: 1.0, ip: 1.5
ECCN US	3A999.a
ECCN EU	Y901
Product View (Switch)	North America (Regional)
Typecode Part 1	S102005T1E013CMN2XXS
Typecode Part 2	XXZ2XGXXXXXXXXXXXXXX
Proposition 65	WARNING: Cancer and Reproductive Harm

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Product details

Characteristic	Value
	www.p65warnings.ca.gov

For Documents, Software, Visuals and more information, please use this link to visit the product page on Danfoss Product Store [🔗](#)