20F1ANC170JN0NNNNN

Allen-Bradley PowerFlex 753 VSD 400V IP20 170A 90kW ND or 140A 75kW HD No Brake Frame 6

LARGE DRIVES

Component type	Frequency converter =< 1 kV
Range	PowerFlex 753
Model	N/A
Product status	Existing

The Allen-Bradley 753 AC Drives are a cost-effective and simple solution for general-purpose applications. Ideal for machine builders and system integrators wanting to minimise engineering costs while increasing productivity. Features built-in I/O as standard and available with a wide range of card options.

ELECTRICAL	Number of phases input	3
	Nominal input voltage	400 V
	Nominal output power AC	90 kW
	Nominal output current I2N	170 A
	kW rating, normal duty	90 kW
	kW rating, heavy duty	75 kW
	Dynamic braking transistor	No
	Control characteristic	PID
	EMC-version	Yes
COMMUNICATION	Integrated motion function	No
CONSTRUCTION	Suitable for safety functions	Yes
	Contains keypad	No
	Frame size	6
	IP rating	IP20
	Degree of protection (NEMA)	Other
DIMENSIONS	Height	665.5 mm
	Width	308 mm
	Depth	346.4 mm
	Weight	48 kg
ENVIRONMENT	Operating temperature	-20…60 °C
	Storage temperature	-40…70 °C

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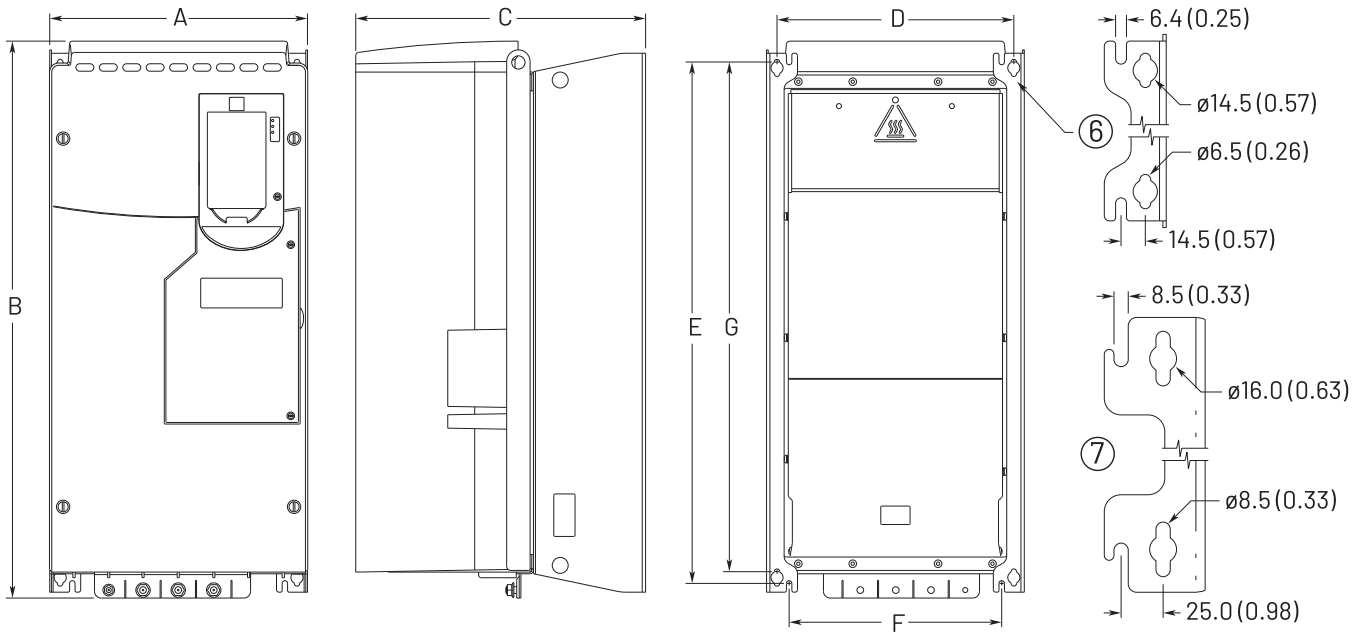
LARGE DRIVES

DIMENSIONAL DIAGRAM



Dimensions are in millimeters and (inches).

Frame	A	B	C	D	E	F	G	Weight kg (lb)
6	308.0 (12.13)	665.5 (26.20)	346.4 (13.64)	283.0 (11.14)	623.0 (24.53)	254.0 (10.00)	609.0 (23.98)	38.6 (85.0)
7	430.0 (16.93)	881.5 (34.70)	349.6 (13.76)	380.0 (14.96)	838.0 (32.99)	330.0 (12.99)	825.0 (32.48)	72.6...108.9 (160.0...240.0)

Published on 24 September 2026

RELATED PRODUCTS

ACCESSORY

Item No: 1202C03
Required: No
Description: Allen-Bradley PowerFlex Scanprint Cable Male Male 300mm

Item No: 1202C10
Required: No
Description: Allen-Bradley PowerFlex Scanprint Cable Male Male 1m

Item No: 1202C90
Required: No
Description: Allen-Bradley PowerFlex PF 7 750 9m Extention Cable to suit 20 HIM C6S

Item No: 1202H03
Required: No
Description: Allen-Bradley PowerFlex Scanprint Cable Male Female 300mm

Item No: 1202H10
Required: No
Description: Allen-Bradley PowerFlex Scanprint Cable Male Female 1m

Item No: 1202H30
Required: No
Description: Allen-Bradley PowerFlex Scanprint Cable Male Female 3m

Item No: 1202H90
Required: No
Description: Allen-Bradley SMC-Flex 9M Extension Cable To Suit 20-HIM-C3S

Item No: 1203S03
Required: No
Description: Allen-Bradley PowerFlex and SMC Scanprint Splitter Cable Type

Item No: 1203USB
Required: No
Description: Allen-Bradley PowerFlex and SMC USB Interface for CCW Support PF Drives and SMC Soft Starters

Item No: 13213R130B
Required: No
Description: Allen-Bradley 1321 Line Reactor 400 to 480V 3Phase IP00 130A 0.2mH

Item No: 1321RWR130DP
Required: No
Description: Allen-Bradley 1321 Reflective Wave Filter 400V 130A

Item No: 1769SM1
Required: No
Description: Allen-Bradley CompactLogix 1769 DPI Scanport Module

Item No: 1786TPS
Required: No
Description: Allen-Bradley ControlNet Media RG6 Coaxial Straight T-tap

Item No: 207501132C2R
Required: No
Description: Allen-Bradley PowerFlex 750 VSD 24V DC 11 Series IO Module 1AI 1AO 3DI and 2RO

Item No: 2075020COMM
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Comm Carrier

Item No: 207502262C2R
Required: No
Description: Allen-Bradley PowerFlex 750 VSD 24V DC 22 Series IO Module 2AI 2AO 6DI and 2RO

Item No: 207502262D2R
Required: No
Description: Allen-Bradley PowerFlex 750 VSD 115V AC IO Card

Item No: 207502263C1R2T
Required: No
Description: Allen-Bradley PowerFlex 750 VSD 24V DC 22 Series IO Module 2AI 2AO 6DI 1RO and 2TO

RELATED PRODUCTS

ACCESSORY

Item No: 20750ACTE1F6
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Power Terminal Extension Frame 6

Item No: 20750APS
Required: No
Description: Allen-Bradley PowerFlex 750 VSD 24V DC Auxiliary Power Supply Module

Item No: 20750ATEX
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Thermistor Input Module Req 11 Series IO Module

Item No: 20750BNETIP
Required: No
Description: Allen-Bradley PowerFlex 750 VSD BACnet IP Communication Module

Item No: 20750CNETC
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Coaxial ControlNet Communication Module

Item No: 20750DCBB1F6
Required: No
Description: Allen-Bradley PowerFlex 755 VSD DC Busbars Frame 6

Item No: 20750DENC1
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Dual Incremental Encoder Module

Item No: 20750DNET
Required: No
Description: Allen-Bradley PowerFlex 750 VSD DeviceNet Communication Module

Item No: 20750ENC1
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Incremental Encoder Module

Item No: 20750ENETR
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Dual Port EtherNet IP Communication Module

Item No: 20750FLNG4F6
Required: No
Description: Allen-Bradley PowerFlex 750 VSD IP20 Front IP66 Back Flange Mount Kit Frame 6

Item No: 20750NEMA1F6
Required: No
Description: Allen-Bradley PowerFlex 750 VSD IP30 Conversion Kit Frame 6

Item No: 20750PBUS
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Profibus DPV1 Communication Module

Item No: 20750PNET
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Single Port Profinet IO Communication Module

Item No: 20750PNET2P
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Dual Port Profinet IO Communication Module

Item No: 20750PTG1F6
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Power Terminal Guard Frame 6

Item No: 20750S
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Safe Torque Off Module

Item No: 20750S1
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Safe Speed Monitor Module

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RELATED PRODUCTS

ACCESSORY

Item No: 20750UFB1
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Universal Feedback Encoder Module

Item No: 20COMMC
Required: No
Description: Allen-Bradley PowerFlex VSD Coaxial ControlNet Communication Module

Item No: 20COMMD
Required: No
Description: Allen-Bradley PowerFlex VSD DeviceNet Communication Module

Item No: 20COMME
Required: No
Description: Allen-Bradley PowerFlex VSD Single Port EtherNet IP Communication Module

Item No: 20COMMH
Required: No
Description: Allen-Bradley PowerFlex VSD RS485 HVAC to DPI Communication Adaptor

Item No: 20COMMM
Required: No
Description: Allen-Bradley PowerFlex VSD Modbus TCP Communication Module

Item No: 20HIMA0
Required: No
Description: Allen-Bradley PowerFlex VSD Mount Blank Plate

Item No: 20HIMA6
Required: No
Description: Allen-Bradley PowerFlex VSD Mount LCD Display and Programmer

Item No: 20HIMB1
Required: No
Description: Allen-Bradley PowerFlex VSD Progammer Panel Mount Bezal Kit

Item No: 20HIMC6S
Required: No
Description: Allen-Bradley PowerFlex VSD Remote Panel Mount IP66 LCD Display and Programmer including 3m Cable

Item No: 20HIMH10
Required: No
Description: Allen-Bradley PowerFlex VSD Remote Programmer Cable 1m

Item No: 20XCOMMACPS1
Required: No
Description: Allen-Bradley PowerFlex VSD External DPI Comm AC Power Supply

Item No: 20XCOMMDCBASE
Required: No
Description: Allen-Bradley PowerFlex VSD External Comm Kit DC Base

Item No: 20XCOMMIOOPT1
Required: No
Description: Allen-Bradley PowerFlex VSD External DPI Comm IO Option 1