20G1AJF460JN0NNNNN

Allen-Bradley PowerFlex 755 VSD 690V IP54 ND 460A 450kW or HD 375A 375kW No Brake Frame 8

LARGE DRIVES

Component type	Frequency converter =< 1 kV
Range	PowerFlex 755
Model	N/A
Product status	Existing

Allen-Bradley PowerFlex 755 AC Drives are a simple and high-performance motor control application, providing a variety of solutions including pumps, fans, and conveyors. Featuring a standard built-in Ethernet/IP port, making it ideal for applications requiring flexibility, connectivity, control, advanced communications, hardware. and safety options.

ELECTRICAL	Number of phases input	3
	Nominal input voltage	690 V
	Nominal output power AC	450 kW
	Nominal output current I2N	460 A
	kW rating, light duty	500 kW
	kW rating, normal duty	450 kW
	kW rating, heavy duty	375 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	8
	IP rating	IP54
ENVIRONMENT	Operating temperature	-20…60 °C
	Storage temperature	-40…70 °C

Published on 17 July 2026

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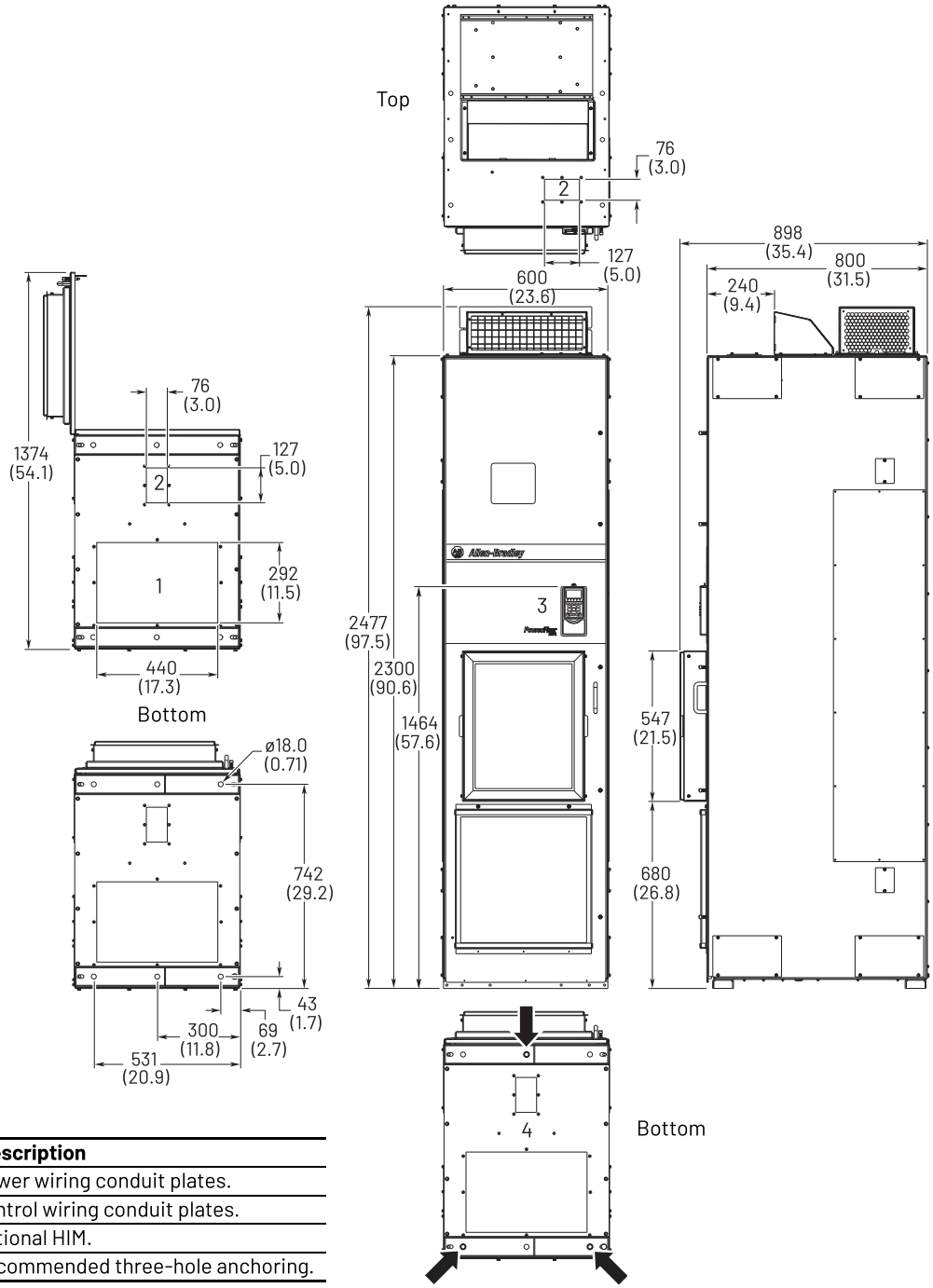
LARGE DRIVES

DIMENSIONAL DIAGRAM



No.	Description
1	Power wiring conduit plates.
2	Control wiring conduit plates.
3	Optional HIM.
4	Recommended three-hole anchoring.

Published on 17 July 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: 1204TFB2
Required: No
Description: Allen-Bradley PowerFlex Reflective Wave Reduction Drive Motor Terminator

Item No: 13213R500B
Required: No
Description: Allen-Bradley 1321 Line Reactor 400 480V 3Phase IP00 500A 0.05mH

Item No: 13213R600B
Required: No
Description: Allen-Bradley 1321 Line Reactor 400 to 480V 3Phase IP00 600A 0.04mH

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

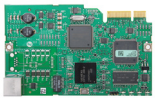
Item No: 207502262D2R
Required: No
Description: Allen-Bradley PowerFlex 750 VSD 115V AC IO Card

RELATED PRODUCTS

ACCESSORY

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

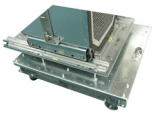
Item No: 20750ATEX
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Thermistor Input Module Req 11 Series IO Module



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

Item No: 20750BUS2F8
Required: No
Description: Allen-Bradley PowerFlex 755 VSD Frame 8 IP00 Conversion Terminal Kit

Item No: 20750BUS3F8
Required: No
Description: Allen-Bradley PowerFlex 755 VSD Frame 8 IP00 Inverter AC Terminal Kit



Item No: 20750CART1F8
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Roll Out Cart Frame 8 to 10

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

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: 20750DUCT2F8
Required: No
Description: Allen-Bradley PowerFlex 750 VSD Kit IP00 Top Outlet Duct

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: 20750FCBL1F8
Required: No
Description: Allen-Bradley PowerFlex 755 VSD Fiber Optic Cable 560mm Frame 8

Item No: 20750MNT2F8
Required: No
Description: Allen-Bradley PowerFlex 755 VSD Frame 8 IP00 Mounting Kit

Item No: 20750MNT3F8
Required: No
Description: Allen-Bradley PowerFlex 750 VSD IP00 Floor Kit

Item No: 20750PBAY68
Required: No
Description: Allen-Bradley PowerFlex 755 VSD Empty Option Bay W600mm x D800mm

Item No: 20750PBAYHWD1
Required: No
Description: Allen-Bradley PowerFlex 755 VSD Option Bay Hardware Kit

Item No: 20750PBAYINS3
Required: No
Description: Allen-Bradley PowerFlex 755 VSD Right Mount Busbar Installation Kit 3Phase Connection

RELATED PRODUCTS

ACCESSORY

Item No: 20750PBAYIP54

Required: No

Description: Allen-Bradley PowerFlex 755 VSD Empty Option Bay Seal Kit IP54

Item No: 20750PBAYRHBB975

Required: No

Description: Allen-Bradley PowerFlex 755 VSD Empty Bay Right Hand Busbar 975A Maximum Aluminum Frame 810

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: 20750POD1F8

Required: No

Description: Allen-Bradley PowerFlex 755 VSD Control Pod IP00 Frame 8

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

Item No: 20750S3

Required: No

Description: Allen-Bradley PowerFlex 755 VSD Network Safe Torque Off Module

Item No: 20750S4

Required: No

Description: Allen-Bradley PowerFlex 755 VSD Network Integrated Safety Functions Option

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

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LARGE DRIVES

RELATED PRODUCTS

ACCESSORY

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