# 22FD024N114

**Allen-Bradley PowerFlex 4M VSD 400V IP20 24A 11kW ND/HD**

SMALL AND MID RANGE DRIVES




| | |
|---|---|
| **Component type** | Frequency converter =< 1 kV |
| **Range** | PowerFlex 4M |
| **Model** | N/A |
| **Product status** | Existing |

The Allen-Bradley PowerFlex® 4M AC drive is a compact and cost-effective drive. Providing application flexibility, feed-through wiring, and ease-of programming, it is ideal for motor speed control with an easy-to-use AC drive up to 11kW.

| | | |
|---|---|---|
| **ELECTRICAL** | Number of phases input | 3 |
| | Nominal input voltage | 480 V |
| | Nominal output power AC | 11 kW |
| | Nominal output current I2N | 24 A |
| | kW rating, normal duty | 11 kW |
| | kW rating, heavy duty | 11 kW |
| | Dynamic braking transistor | Yes |
| | EMC-version | Yes |
| **COMMUNICATION** | Integrated motion function | No |
| **CONSTRUCTION** | Suitable for safety functions | No |
| | Contains keypad | Yes |
| | Frame size | C |
| | IP rating | IP20 |

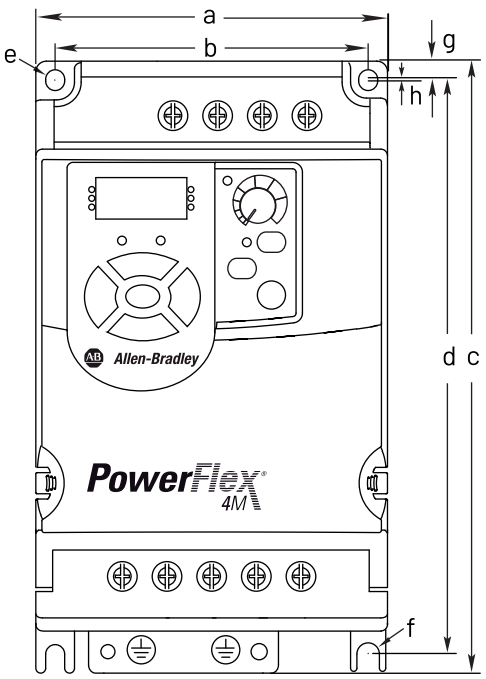


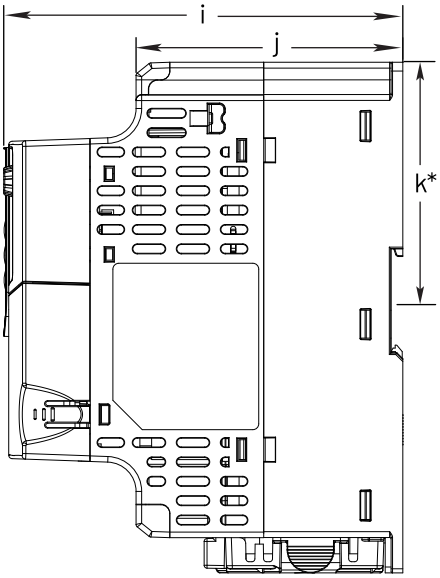


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## DIMENSIONAL DIAGRAM

Dimensions are in millimeters and (inches). Weights are in kilograms and (pounds).




Note:
DIN rail mounting is not applicable to Frame C.

| Frame | a | b | c | d | e | f | g | h | i | j | k | Shipping Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 72.0 (2.83) | 59.0 (2.32) | 174.0 (6.85) | 151.6 (5.97) | ø 5.4 (0.21) | ø 5.4 (0.21) | 5.2 (0.20) | — | 136.0 (5.35) | 90.9 (3.58) | 81.3 (3.20) | 1.6 (3.5) |
| B | 100 (3.94) | 89.0 (3.50) | 174.0 (6.85) | 163.5 (6.44) | ø 5.4 (0.21) | ø 5.4 (0.21) | 5.2 (0.20) | 0.5 (0.02) | 136.0 (5.35) | 90.9 (3.58) | 81.3 (3.20) | 2.1 (4.6) |
| C | 130.0 (5.12) | 116.0 (4.57) | 260.0 (10.24) | 247.5 (9.74) | ø 5.5 (0.22) | ø 5.5 (0.22) | 6.0 (0.24) | 1.0 (0.04) | 180.0 (7.09) | 128.7 (5.07) | — | 4.8 (10.6) |

## RELATED PRODUCTS

### ACCESSORY



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

**Item No:** 1585JM8TBJM1
**Required:** No
**Description:** Allen-Bradley 1585 Unshielded Ethernet Cable Hi Flex TPE 4 Pair CAT5e Teal RJ45 to RJ45 1M

**Item No:** 1585JM8TBJM10
**Required:** No
**Description:** Allen-Bradley 1585 Unshielded Ethernet Cable Hi Flex TPE 4 Pair CAT5e Teal RJ45 to RJ45 10M



**Item No:** 1585JM8TBJM2
**Required:** No
**Description:** Allen-Bradley 1585 Unshielded Ethernet Cable Hi Flex TPE 4 Pair CAT5e Teal RJ45 to RJ45 12M



**Item No:** 1585JM8TBJM5
**Required:** No
**Description:** Allen-Bradley 1585 Unshielded Ethernet Cable Hi Flex Tpe 4 Pair CAT5e Teal RJ45 to RJ45 5M

**Item No:** 1585JM8UBJM2
**Required:** No
**Description:** Allen-Bradley 1585 Shielded Ethernet Cable Hi Flex Tpe 4 Pair CAT5e Teal RJ45 to RJ45 2M



**Item No:** 1769SM2
**Required:** No
**Description:** Allen-Bradley CompactLogix 1769 DSI Modbus Module



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



**Item No:** 22COMMB
**Required:** No
**Description:** Allen-Bradley PowerFlex 4 VSD Class DSI BACnet



**Item No:** 22COMMC
**Required:** No
**Description:** Allen-Bradley PowerFlex 4 VSD PF4 Coaxial ControlNet Communication Module



**Item No:** 22COMMD
**Required:** No
**Description:** Allen-Bradley PowerFlex 4 VSD DeviceNet Communication Module



**Item No:** 22COMME
**Required:** No
**Description:** Allen-Bradley PowerFlex 4 VSD Single Port EtherNet IP Communication Module



**Item No:** 22COMMP
**Required:** No
**Description:** Allen-Bradley PowerFlex 4 VSD Profibus DPV1 Communication Module



**Item No:** 22FRF6P0AL
**Required:** No
**Description:** Allen-Bradley PowerFlex 4M VSD Line Filter 3Phase 380 to 480V 6A



**Item No:** 22HIMA3
**Required:** No
**Description:** Allen-Bradley PowerFlex 4 VSD Held Programmer including 1m Cable



**Item No:** 22HIMB1
**Required:** No
**Description:** Allen-Bradley PowerFlex 4 VSD Series Panel Mount Bezel Kit



**Item No:** 22HIMC2S
**Required:** No
**Description:** Allen-Bradley PowerFlex 4 VSD LCD Display Remote Mount IP66 2m Programmer Cable

**Item No:** 22HIMH10
**Required:** No
**Description:** Allen-Bradley PowerFlex 4/40/40P/400 VSD DSI HIM to RJ45 PT Cable 1M

## RELATED PRODUCTS

### ACCESSORY



**Item No:** 22HIMH30

**Required:** No

**Description:** Allen-Bradley PowerFlex 4/40/40P/400/520 VSD Extension Cable 2.9m to suit 22HIMA3



**Item No:** 22RJ45CBLC20

**Required:** No

**Description:** Allen-Bradley PowerFlex 4/4M/40/40P/400/520 VSD Cable 2m



**Item No:** 22XCOMMDCBASE

**Required:** No

**Description:** Allen-Bradley PowerFlex 4/4M/40/40P VSD DSI External Communication Kit for Mounting 22 Comm



**Item No:** AKR2120P1K2

**Required:** No

**Description:** Allen-Bradley PowerFlex 70 VSD 120 Ohm Brake Resistor



**Item No:** AKU0RJ45SC1

**Required:** No

**Description:** Allen-Bradley PowerFlex 4 VSD Cable Splitter RJ45 DS1



**Item No:** AKU0RJ45TB2P

**Required:** No

**Description:** Allen-Bradley PowerFlex Terminal Block 6 Piece Kit, RJ45, 2 x 120 Ohm Loose Terminating Resistors



**Item No:** AKU0RJ45TR1

**Required:** No

**Description:** Allen-Bradley PowerFlex 4 Terminal Reistor RJ45 DS1