



PowerFlex 755 AC Drive, with Embedded Ethernet/IP

[20G1AJD545JN0NNNNN](#)



Representative Rendering, Not The Actual Product

PowerFlex 755 AC Drive, with Embedded Ethernet/IP, Standard Protection, Forced Air, AC Input with Precharge, no L 12, IP54 800mm Deep MCC Style, 545 Amps, 500HP LD, 450HP ND, 350HP HD, 480 VAC, 3 PH, Frame 8, Filtered, CM (preferred), None, Blank (No HIM)

Product Details

BASE DRIVE INFORMATION	
Bulletin Number	PowerFlex 755 AC Drive, with Embedded Ethernet/IP
Corrosive Gas Protection and Cooling Type	Standard Protection, Forced Air
Voltage Class	480 VAC, 3 PH
Output Current	545 Amps, 500HP LD, 450HP ND, 350HP HD
Enclosure Type	Type 12, IP54 800mm Deep MCC Style
Input Type	AC Input with Precharge, no DC Terminals
Frame Size	Frame 8
EMC Filtering Options	Filtered, CM jumper installed (preferred)
Dynamic Braking	None
HIM	Blank (No HIM)

Replacement Parts

Product Type	Replacement Power Structure(s) [Level 3]
Catalog Number	20-750-C1-C770D740
Description	PowerFlex 755, Frame 8-10, Series A, Converter Module, 400' 740A
Quantity	1

Product Type	Replacement Power Structure(s) [Level 3]
Catalog Number	20-750-C6-C770D740
Description	PowerFlex 755, Frame 8-10, Series B or C, Converter Module, 740A
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-750-ENC-1
Description	PF750 Incremental Encoder Module
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-750-DENC-1
Description	PF750 Dual Incremental Encoder Module
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-750-UFB-1
Description	PF750 Universal Feedback Module
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-750-CNETC
Description	PF750-Series ControlNet Coax
Quantity	1

Product Type	Drive Option(s)
Catalog Number	SK-R1-SCRWTB-EIO
Description	11-series I/O Card Terminal Block
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-750-DNET
Description	PowerFlex 750-Series DeviceNet Option Card
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-750-20COMM
Description	PowerFlex 750-Series 20-COMM-* Adapter Card
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-HIM-A6
Description	PowerFlex Architecture Class Enhanced HIM, NEMA 1
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-HIM-C6S
Description	PowerFlex Architecture Class Remote Enhanced HIM, IP66 (N Indoor Use Only
Quantity	1

Product Type	Drive Option(s)
Catalog Number	SK-R1-TB-UFB-1
Description	PF750 Universal Feedback Terminal Blocks
Quantity	1

Product Type	Drive Option(s)
Catalog Number	SK-R1-TB-2262
Description	PF750 2262 I/O Terminal Blocks
Quantity	1

Product Type	Drive Option(s)
Catalog Number	SK-R1-TB-APS
Description	PF750 APS Terminal Block
Quantity	1

Product Type	Drive Option(s)
Catalog Number	SK-R1-TB-S
Description	PF750 Safe Torque Off Terminal Block
Quantity	1

Product Type	Drive Option(s)
Catalog Number	SK-R1-TB-S1
Description	PF750 Safe Speed Monitor Terminal Blocks
Quantity	1

Product Type	Drive Option(s)
Catalog Number	SK-R1-TB-ENC-1
Description	PF750 Single Encoder Terminal Block
Quantity	1

Product Type	Drive Option(s)
Catalog Number	SK-R1-TB-DENC-1
Description	PF750 Dual Encoder Terminal Block
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-750-POD1-F8
Description	PowerFlex 755, Frame 8-10, Control Pod
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-750-RPD1-F8
Description	PowerFlex 755, Frame 8-10, Control Pod Remote Mounting C
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-750-PH1-F8
Description	PowerFlex 755, Frame 8, 24VDC Wire Harness
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-750-FCBL1-F8
Description	PowerFlex 755, Frame 8, 0.6m, Fiber Optic Cable
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-750-CART1-F8
Description	PowerFlex 755, Frame 8-10, Roll-out Cart
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-750-EMCCM1-F8
Description	PowerFlex 755, Frame 8-10, EMC Core, AC Output
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-750-BUS1A-F8
Description	PowerFlex 755, Frame 8, DC Bus Bar Access Kit
Quantity	1

Product Type	Drive Option(s)
Catalog Number	20-750-LBKT1
Description	PowerFlex 755, Frame 8-10, Drive Bus L-Brackets (2 per phase included with drive)
Quantity	1

Product Type	Level 1 Spare Part(s) - Recommended Maintenance and Spare Parts
Catalog Number	SK-R1-FUSE1-CD-F8
Description	PowerFlex 755, Frame 8-10, 400/480V, AC Line Fuses
Quantity	3

Product Type	Level 1 Spare Part(s) - Recommended Maintenance and Spare Parts
Catalog Number	SK-R1-FUSE2-CD-F8
Description	PowerFlex 755, Frame 8-10, 400/480V, Control Transformer F C and lower.
Quantity	1

Product Type	Level 1 Spare Part(s) - Recommended Maintenance and Spare Parts
Catalog Number	20-750-FLTR1-F8
Description	PowerFlex 755, Frame 8-10, Inlet Air Washable Filter, IP20/NE
Quantity	1

Product Type	Level 1 Spare Part(s) - Recommended Maintenance and Spa
Catalog Number	SK-R1-FAN1-F8
Description	PowerFlex 755, Frame 8-10, Heatsink Blower
Quantity	1

Product Type	Level 1 Spare Part(s) - Recommended Maintenance and Spa
Catalog Number	SK-R1-FAN2-F8
Description	PowerFlex 755, Frame 8-10, Internal Stirring Fan Tray
Quantity	1

Product Type	Level 1 Spare Part(s) - Recommended Maintenance and Spa
Catalog Number	20-750-CFANKIT-F8
Description	PowerFlex 755, Frame 8-10, Converter Gate Board Stirring Fa
Quantity	1

Product Type	Level 1 Spare Part(s) - Recommended Maintenance and Spa
Catalog Number	SK-R1-FAN4-F8
Description	PowerFlex 755, Frame 8-10, IP54/NEMA12, Drive Cabinet Roc
Quantity	1

Product Type	Level 1 Spare Part(s) - Recommended Maintenance and Spa
Catalog Number	SK-R1-FLTR2-F8
Description	PowerFlex 755, Frame 8-10, IP54/NEMA 12, Cabinet Blower E Filter, one pair
Quantity	1

Product Type	Level 1 Spare Part(s) - Recommended Maintenance and Spa
Catalog Number	SK-R1-FLTR2M-F8
Description	PowerFlex 755, Frame 8-10, IP54/NEMA 12, Cabinet Blower E Filter, 12 pairs
Quantity	1

Product Type	Level 1 Spare Part(s) - Recommended Maintenance and Spa
Catalog Number	SK-R1-FLTR3-F8
Description	PowerFlex 755, Frame 8-10, IP54/NEMA 12, Cabinet Inlet Air
Quantity	1

Product Type	Level 1 Spare Part(s) - Recommended Maintenance and Spa
Catalog Number	SK-R1-FLTR4-F8
Description	PowerFlex 755, Frame 8-10, IP54/NEMA 12, Cabinet Inlet Air
Quantity	1

Product Type	Level 1 Spare Part(s) - Recommended Maintenance and Spares
Catalog Number	SK-R1-FUSE4-CD-F8
Description	PowerFlex 755, Frame 8-10, 400/480V, Control Transformer Fuses C and higher.
Quantity	1

Product Type	Level 1 Spare Part(s) - Recommended Maintenance and Spares
Catalog Number	SK-R9-FAN2-F23
Description	PowerFlex 755, Frame 8-10, Main Control Board Cooling Fan (Control Pod)
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-TB-PF755
Description	PF755 Main Control Board Terminal Blocks
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-BP1
Description	PF750 Backplane Interface
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-SCR1-CD-F8
Description	PowerFlex 755, Frame 8-10, 400/480V, Converter SCR Assembly
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-XFMR1-F8
Description	PowerFlex 755, Frame 8-10, Converter Control Transformer
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-CNVIFB1-F8
Description	PowerFlex 755, Frame 8-10, Converter Current Sensor
Quantity	3

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-FTR1-F8
Description	PowerFlex 755, Frame 8-10, Control Pod, Fiber Optic Transceiver
Quantity	4

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-CGDB1-CD-F8
Description	PowerFlex 755, Frame 8, Series A, 400/480V, Converter Gate
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-FIB1-F8
Description	PowerFlex 755, Frame 8-10, Control Pod, Fiber Interface Board
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-INVIFB1-F8
Description	PowerFlex 755, Frame 8-10, Inverter Current Sensors
Quantity	3

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-MCB1-F8
Description	PowerFlex 755, Frame 8-10, Control Pod Main Control Board
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-MOV1-CD-F8
Description	PowerFlex 755, Frame 8-10, 400/480, Converter Surge Suppressor
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-RB1-CD-F8
Description	PowerFlex 755, Frame 8-10, 400/480V, Capacitor Balance Resistor
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-RD1-F8
Description	PowerFlex 755, Frame 8-10, 400/480V, Discharge Resistors
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-PWRS1-CD-F8
Description	PowerFlex 755, Frame 8-10, 400/480V, Power Supply Board
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-PC1-F8
Description	PowerFlex 755, Frame 8-10, Inverter Power Control Board
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-PINT1-F8
Description	PowerFlex 755, Frame 8-10, SERIES A, Power Layer Interface Board
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-BP1
Description	PowerFlex 755, Frame 8-10, Control Pod Backplane Board
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-CGDB4-CD-F8
Description	PowerFlex 755, Frame 8-10, Series B or C, 400/480V, Converter Board
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-CR1
Description	PowerFlex 755, Frame 8-10, Control Pod HIM Bezel
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-EMCCAP1-F8
Description	PowerFlex 755, Frame 8-10, EMC Capacitors Assy (red board)
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-EMCFLT2-F8
Description	PowerFlex 755, Frame 8-10, EMC Filter Board
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-PINT2-F8
Description	PowerFlex 755, Frame 8-10, SERIES B, Power Layer Interface Board
Quantity	1

Product Type	Level 2 Spare Part(s) - Circuit Boards and Sub-Assemblies
Catalog Number	SK-R1-TB-PF755
Description	PowerFlex 755, Frame 8-10, Main Control Board Terminal Blo
Quantity	1

Product Type	Miscellaneous Hardware and Cables
Catalog Number	SK-R1-CR1
Description	PF750 Pod HIM Cradle
Quantity	1

Product Type	Miscellaneous Hardware and Cables
Catalog Number	SK-R1-CNVH1-F8
Description	PowerFlex 755, Frame 8-10, Converter Wire Harness Kit
Quantity	1

Product Type	Miscellaneous Hardware and Cables
Catalog Number	SK-R1-CCVR1-F8
Description	PowerFlex 755, Frame 8-10, Converter Cover, Left Side with G
Quantity	1

Product Type	Miscellaneous Hardware and Cables
Catalog Number	SK-R1-CCVR2-F8
Description	PowerFlex 755, Frame 8-10, Converter Cover, Right Side, No F
Quantity	1

Product Type	Miscellaneous Hardware and Cables
Catalog Number	SK-R1-CVRP1-F8
Description	PowerFlex 755, Frame 8-10, Control Pod Cover
Quantity	1

Product Type	Miscellaneous Hardware and Cables
Catalog Number	SK-R1-INVH1-F8
Description	PowerFlex 755, Frame 8-10, Inverter Wire harness Kit
Quantity	1

Product Type	Miscellaneous Hardware and Cables
Catalog Number	SK-R1-ICBL1-F8
Description	PowerFlex 755, Frame 8-10, Inverter Ribbon cable
Quantity	1

Product Type	Miscellaneous Hardware and Cables
Catalog Number	SK-R1-IFCVR1-F8
Description	PowerFlex 755, Frame 8-10, Inverter Front Cover
Quantity	1

Product Type	Miscellaneous Hardware and Cables
Catalog Number	SK-R1-IFCVR2-F8
Description	PowerFlex 755, Frame 8-10, Blower Inlet Bottom Cover
Quantity	1

Product Type	Miscellaneous Hardware and Cables
Catalog Number	SK-R1-CPLT2-F8
Description	PowerFlex 755, Frame 8-10, 800mm Deep, Drive Cabinet Con
Quantity	1

Product Type	Miscellaneous Hardware and Cables
Catalog Number	SK-R1-FANH4-F8
Description	PowerFlex 755, Frame 8-10, IP54/NEMA12, Drive Cabinet Roc
Quantity	1

Supporting Documentation and Downloads

- [Drive Photo](#)
- [Web Page Product Profile](#)
- [Web Page Tech Data](#)
- [Web Page Installation Instructions](#)
- [Product Video High-Res \(.mov\)](#)
- [Circuit Protection Design and SCCR Tables](#)