

## Bill of Material

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Sy	stem: Controller Hardware
1769 L18ERM-	BB1B COMPACTLOGIX L18ERM
	PROCESSOR, 512 KB MEMORY
1734-IB4	24V DC 4 CHANNEL SINK INPUT MODULI
1734-OB4E	24V DC 4 CHANNEL SOURCE OUTPUT
	MODULE, ELECTRONICALLY PROTECTED
1734-IR2	2 CHANNEL RTD MODULE
1734-TB5	MODULE BASES W/ REMOVABLE IEC
	SPRING TERMINALS
0.342	C+2 05 48 C/G 50
Sy	stem: Communication Hardware
1783-ETAP	ETHERNET/IP COPPER TAP
1783-ETAP	ETHERNET/IP COPPER TAP
1783-ETAP	ETHERNET/IP COPPER TAP  HMI Hardware
1783-ETAP 2711P-T10C21	HMI Hardware D85 PANELVIEW PLUS 710"
2711P-T10C21	HMI Hardware  D85 PANELVIEW PLUS 7 10"  TFT COLOR, TOUCH TERMINAL
2711P-T10C21	HMI Hardware  D85 PANELVIEW PLUS 7 10"  TFT COLOR, TOUCH TERMINAL  ctronic Overload Relay Hardware
2711P-T10C21	HMI Hardware  D85 PANELVIEW PLUS 7 10" TFT COLOR, TOUCH TERMINAL  ctronic Overload Relay Hardware  G-60A-T VOLTAGE/CURRENT/GROUND
	1769 L18ERM- 1734-IB4 1734-OB4E 1734-IR2

1 193-EIO-43-120 4 IN/3 OUT I/O MODULE, 120V AC

j	Dynamix XM-1444 Monitoring System Hardware			
1	1444-DYN04-01RA	DYNAMIX MEASUREMENT MODULI		
1	1444-TB-A	MODULE TERMINAL BASE		
2	1444-DYN-RPC-SPR-	01 MODULE CONNECTOR		
2	1444-TBA-RPC-SPR-	01 MODULE BASE CONNECTOR		
1		/ER SUPPLY, 24-28V DC, 80 W,		
	120/	240V AC INPUT		

# Recommended Software 1 9324-RLD200INTL STUDIO 5000 LOGIX DESIGNER MINI INTERNATIONAL Note: ControlLogix Controllers can also be programmed when using 5tudio 5000 Logix Designer Standard, Full, or Pro. 1 9701-VWSTMENE RSVIEW STUDIO FOR MACHINE EDITION

# About this Configuration

Unlike standalone pump monitoring systems, our Integrated Motor Protection solution is scalable to provide you with the core functionality your system demands - and flexible, so you can add functionality to meet specific requirements.

Based on the Rockwell Automation Integrated Architecture system and the EtherNet/IP network, the Integrated Motor Protection solution leverages the capabilities of Intelligent Motor Control, the Logix control platform, and intuitive HMI software to deliver the information you need to keep your pumping systems running optimally.

This CompactLogix 5370 L1 based low cost system demonstrates the power and scalability of the Integrated Architecture on an EtherNet/IP based network.

A key advantage of this architecture is the ability to use Studio 5000 Logix Designer common integrated programming, configuration, and commissioning tools.

## About the Products

## Logix Controllers

- A common set of controls, networks, and programming software available in multiple hardware platforms
- Multiple control disciplines in a single controller sequential / motion / drives / process
- Multiple Program Languages available in all controllers Ladder Diagram, Function Block, Structured
   Text, and Sequential Function Chart
- Tag-based architecture instead of addresses native in the controller

## PanelView Plus 7

- Reuse tags from Logix controllers by choosing them from a list
- · 4" 10" screen sizes available
- · PDF Viewer
- Integrated EtherNet/IP
- Faceplates and Add-on Instructions can save 50%-90% of complex screen development time.

## E300 Electronic Overload Relay

- Modular design allows you to tailor the device for your application's exact needs, providing voltage, current, and energy diagnostic information.
- EtherNet/IP Option leverages the Integrated Architecture via connection to Logix and View platforms

## Dynamix XM-1444 Monitoring System

- The Dynamix 1444 Series System is designed to serve the protection and condition monitoring requirements of rotating and reciprocating industrial machinery
- Dynamix 1444 allows you to leverage the Integrated Architecture, rather than an isolated condition monitoring device, to assess current equipment health, predict potential issues, and help avoid damage to critical machinery

#### POINT I/O

- · Available in IP-20 or IP-67 styles
- · Densities from 2-8 points per module
- · Removable screw or spring terminals without rewiring
- Mounts horizontally or vertically with no derating required
- Supports EtherNet/IP, ControlNet, DeviceNet and 3rd party networks

#### Stratix Switches and Network Infrastructure

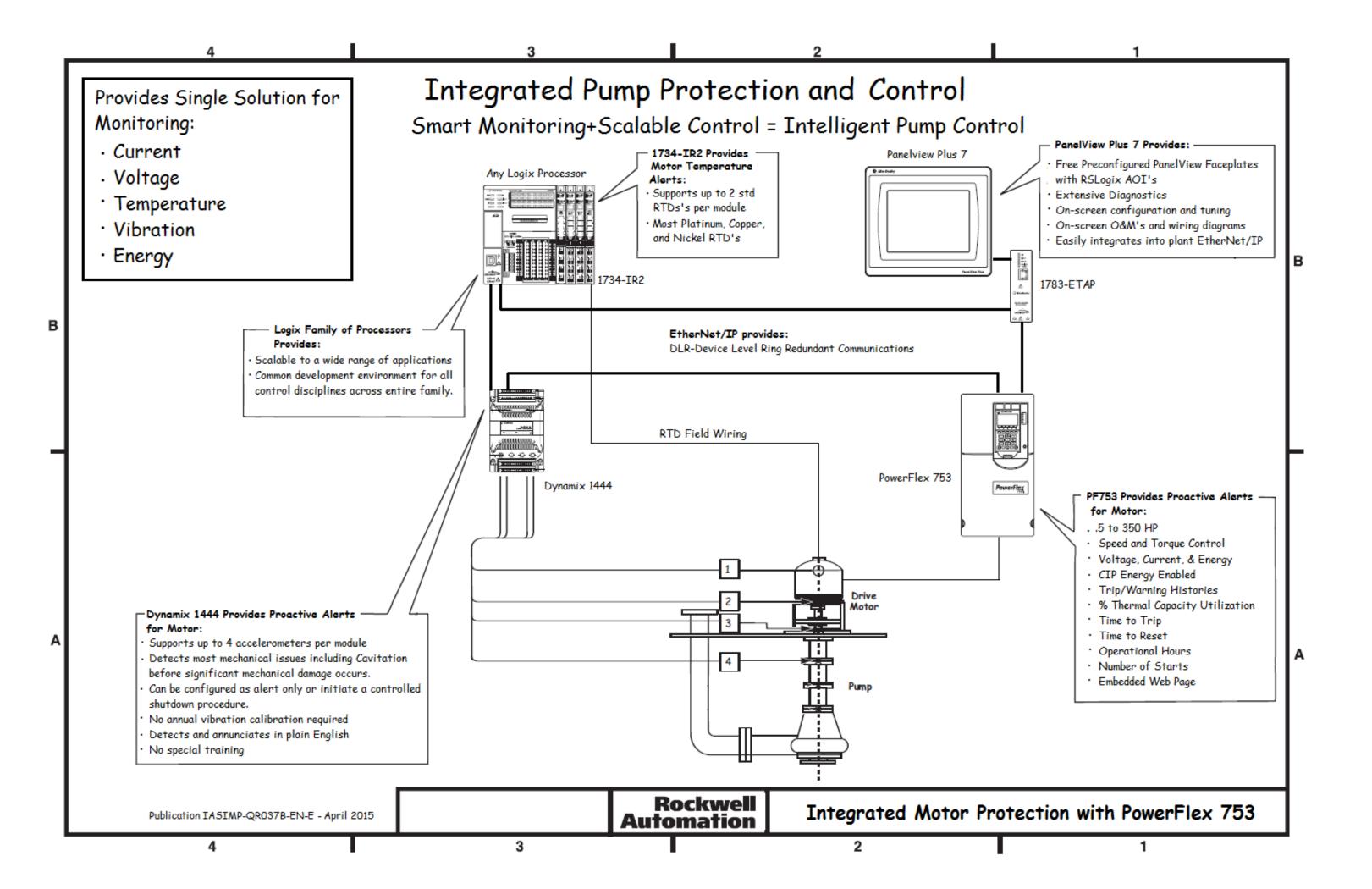
- Stratix 5400, 5700 and 8300 Managed switches offer Loop Prevention, Security Services, Diagnostic Information, Segmentation Services(VLANs), Prioritization Services(QoS), and Multicast Management Services.
- Stratix 2000 Unmanaged Switches offer no layer 2 or layer 3 management functionality, but offer lower cost.
- Consider Network Address Translation (NAT), available with the 9300-ENA NAT device and the Stratix 5700 with NAT option, depending on your application requirements.

## For More Information and Help

For more information contact your local distributor or Rockwell Automation sales representative.

· www.ab.com ( Product Directory, Publication Library, Technical Support).





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Oty Catalan # Description

System: Communication Hardware		
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		***************************************
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Dynamix XM-1444 Monitoring System Hardware			
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1	9324-RLD200INTL	STUDIO 5000 LOGIX DESIGNER
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No	te: ControlLogix Control	lers can also be programmed when using
Sto	udio 5000 Logix Designei	r Standard, Full, or Pro.
1	9701-VW5TMENE	RSVIEW STUDIO FOR
		MACHINE EDITION

	Drive Hardware			
1	20F1AND186AN	N POWERFLEX 753 DRIVE, 150HP FRAME 6		
1	20-750-ENETR	DUAL-PORT ETHERNET/IP OPTION MODULE (LINEAR/RING ONLY)		

TFT COLOR, TOUCH TERMINAL

Note: PowerFlex drives come in many variations - before ordering, you will need to identify voltage rating, horsepower, enclosure type. Please refer to the PowerFlex Selection Guide for additional details on selecting the right drive for you application.

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#### PowerFlex Drives

- Serves applications ranging from 0.2 kW (0.25 hp) to 6,770 kW (9,000 hp).
- Common set of networks, operator interface and programming for all PowerFlex drives
- · Communication Options Ethernet/IP, ControlNet, Devicenet, DH Plus, RIO, 3rd party networks
- Hundreds of pieces of status and diagnostic information are shared with Logix controllers directly

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