

Large Packaged AC Drive Solutions

Total packaged solutions

50 - 1,000 hp
460 V | 575 V

Known worldwide for custom packaged drive systems, Emerson Industrial Automation's Control Techniques solutions offer a wide variety of enclosure, power and control option configurations to meet even the most demanding application requirements.

Built with the quality and reliability you'd expect from an industry-leading global supplier, these engineered solutions are fully tested and backed by complete engineering documentation and drawings as well as robust after-sale support programs. The result is a single-source solution with single-source accountability.



NEMA 12 Positive Pressure Blown and Filtered AC drive system

Control Techniques' packaged systems group combines state-of-the-art technology with over 30 years' experience in providing complete solutions for thousands of applications.



UL 508A option available



KEY FEATURES:

- Choice of AC drives*
 - High-performance universal AC/Servo drives offering advanced motor control and flexible system integration
 - Economical, easy-to-use general-purpose drives for standard applications such as fans, pumps and conveyors
- A cost competitive, pre-engineered
 - "AC In – AC Out" solution
- Industry-standard filtered and ventilated enclosures
- Simple ordering, installation and configuration
- Available options include:
 - Circuit breaker disconnect
 - Line / load reactors
 - Door-mounted operator controls
 - Door-mounted keypad

*Refer to Control Techniques Unidrive M: Drives for Industry brochure or the individual product brochures for functionality details of the various Unidrive M models.

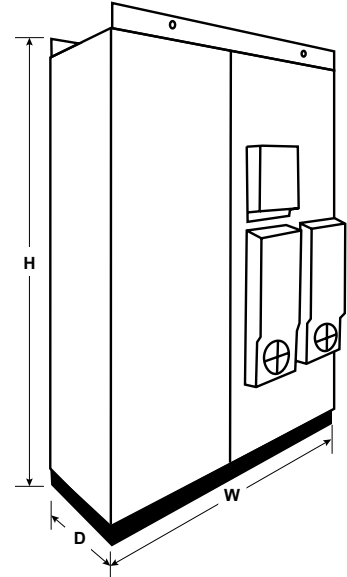

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Industrial Automation

Control Techniques™ **Leroy-Somer™**

www.emersonindustrial.com/automation

Large Packaged AC Drive Solutions

Normal Duty 460 V ⁽³⁾					Heavy Duty 460 V ⁽³⁾				
Order No.	Max. Cont. Current (A)	Motor Power (hp)	Typical Output (kW)	Dimensions H x W x D (in)	Order No.	Max. Cont. Current (A)	Motor Power (hp)	Typical Output (kW)	Dimensions H x W x D (in)
LPxxx-140050N	63	50	37	60 x 38 x 16	LPxxx-140050H	66	50	37	60 x 38 x 16
LPxxx-140060N	79	60	45	60 x 38 x 16	LPxxx-140060H	77	60	45	60 x 38 x 16
LPxxx-140075N	94	75	56	60 x 38 x 16	LPxxx-140075H	100	75	56	60 x 38 x 16
LPxxx-140125N	155	125	93	78.75 x 23.5 x 23.5	LPxxx-140100H	134	100	75	78.75 x 23.5 x 23.5
LPxxx-140150N	184	150	112	78.75 x 31.5 x 27.5	LPxxx-140125H	157	125	93	78.75 x 23.5 x 23.5
LPxxx-140200N	266	200	149	78.75 x 31.5 x 27.5	LPxxx-140150H	200	150	112	78.75 x 31.5 x 27.5
LPxxx-140250N	320	250	187	78.75 x 31.5 x 27.5	LPxxx-140200H	270	200	149	78.75 x 31.5 x 27.5
LPxxx-140300N	361	300	224	78.75 x 31.5 x 27.5	LPxxx-140250H	320	250	187	78.75 x 31.5 x 27.5
LPxxx-140350N	437	350	261	78.75 x 31.5 x 27.5	LPxxx-140300H	377	300	224	78.75 x 31.5 x 27.5
LPxxx-140400N	487	400	298	78.75 x 31.5 x 27.5	LPxxx-140350H	417	350	261	78.75 x 31.5 x 27.5
LPxxx-140450N	507	450	336	78.75 x 55.1 x 27.5	LPxxx-140400H	464	400	298	78.75 x 31.5 x 27.5
LPxxx-140500N	608	500	373	78.75 x 55.1 x 27.5	LPxxx-140450H	513	450	336	78.75 x 55.1 x 27.5
LPxxx-140600N	685	600	447	78.75 x 55.1 x 27.5	LPxxx-140500H	608	500	373	78.75 x 55.1 x 27.5
LPxxx-140750N	830	750	560	78.75 x 63 x 27.5	LPxxx-140650H	716	650	485	78.75 x 55.1 x 27.5
LPxxx-140800N	912	800	597	78.75 x 86.6 x 27.5	LPxxx-140675H	769	675	500	78.75 x 63 x 27.5
LPxxx-141000N	1245	1000	746	78.75 x 86.6 x 27.5	LPxxx-140800H	1074	800	597	78.75 x 86.6 x 27.5
					LPxxx-141000H	1188	1000	746	78.75 x 86.6 x 27.5



Note: Depth dimensions for the cabinets in the table include through-panel heatsinks and blowers on the back of the cabinet. Through-panel mounting available for 150 hp and above.

Order Code

Sample Code:	LP	XXX	-	1	X	XXXX	X	X	X	-	X	X	X	X	X	
Position Number:	1-2	3-5	6	7	8	9-12	13	14	15	16	17	18	19	20	21	22

1 - 2. Product Large Packaged Drive	9 - 12. Horsepower 0050 = 50 hp 0060 = 60 hp 0075 = 75 hp 0100 = 100 hp 0125 = 125 hp 0150 = 150 hp 0200 = 200 hp 0250 = 250 hp 0300 = 300 hp 0350 = 350 hp 0400 = 400 hp 0450 = 450 hp 0500 = 500 hp 0600 = 600 hp 0675 = 675 hp 0750 = 750 hp 0800 = 800 hp 1000 = 1000 hp	14. Door Mounted Operator Station ⁽⁶⁾ 0 = Power On light, Drive Fault light 1 = Stop PB, Start PB, Pot 2 = #1 + Jog PB, Fwd/Rev Sel switch 3 = HOA SS, Pot, Power On, VFD Run, Fault light
3 - 5. Drive Model 400 = Unidrive M400 ⁽¹⁾ 600 = Unidrive M600 700 = Unidrive M700 701 = Unidrive M701 702 = Unidrive M702	13. Duty Rating H = Heavy Duty N = Normal Duty	15. Keypads R = LCD Keypad mounted on door (M400) S = LCD Keypad mounted on door (M600/M70x) L = LCD Keypad on drive (M400) M = LCD Keypad on drive (M600, M70x)
7. Input Power 1 = Thru-door disconnect circuit breaker ⁽²⁾		17. Filtering Options 0 = None 1 = AC Input Reactor ⁽⁴⁾ 2 = AC Output Reactor ⁽⁵⁾ 3 = AC Input and Output Reactor
8. Voltage Rating 4 = 460VAC 5 = 575VAC ⁽³⁾		18. Blower Motor Starter Option 0 = None 1 = Blower motor starter
		19. Data Port Option 0 = None 1 = Data Port
		20. Air Conditioning 0 = None 1 = Air Conditioning
		21. NEMA Rating 0 = NEMA 12 1 = NEMA 3R
		22. cULus Label 0 = None 1 = cULus

Notes:

- Unidrive M400 drive model is only available up to 200 hp normal duty / 150 hp heavy duty
- Drive line fuses are included as standard.
- Consult factory for product details on 575 Vac, regen and drives above 1,000 hp
- Input reactors (2% impedance) or bus chokes are included on drives 500 hp (Normal Duty) and above as standard. Optional input reactors (3% impedance) are available on all other drives.
- Output reactors (2% impedance) are included on drives 500 hp (normal duty) and above as standard. Optional output reactors (3% impedance) are available on all other drives.
- For options not listed above, please consult local sales for pricing and availability.