

Large Packaged AC Drive Solutions

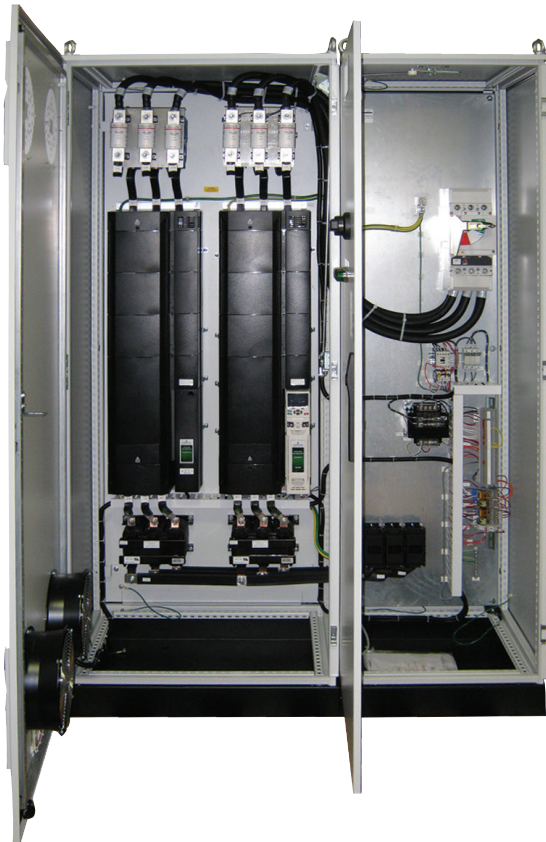
Total packaged solutions

50 hp - 1,000 hp

460 V | 575 V

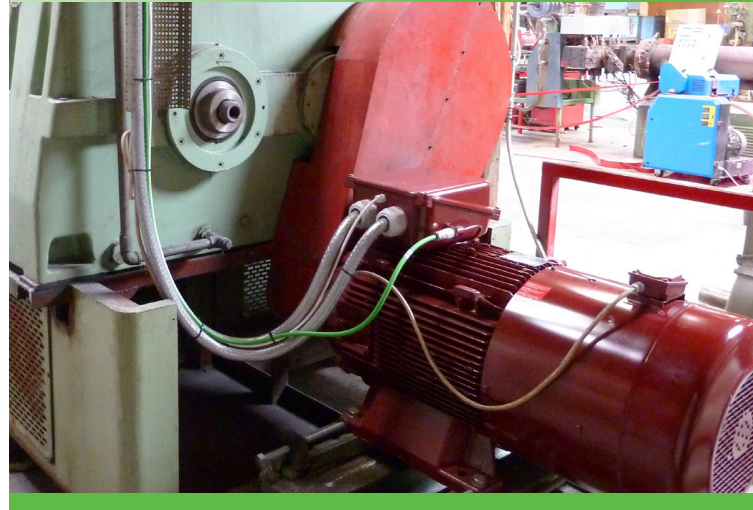
Known worldwide for custom packaged drive systems, Control Techniques' solutions offer a wide variety of enclosure, power and control option configurations to meet even the most demanding application requirements.

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.



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
- 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.



UL 508A option available

Control Techniques™

Leroy-Somer™

www.controltechniques.com

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-x-xxxxxx	63	50	37	60.0 x 38.0 x 16.0	LPxxx-140050H-x-xxxxxx	66	50	37	60.0 x 38.0 x 16.0
LPxxx-140060N-x-xxxxxx	79	60	45	60.0 x 38.0 x 16.0	LPxxx-140060H-x-xxxxxx	77	60	45	60.0 x 38.0 x 16.0
LPxxx-140075N-x-xxxxxx	94	75	56	60.0 x 38.0 x 16.0	LPxxx-140075H-x-xxxxxx	100	75	56	60.0 x 38.0 x 16.0
LPxxx-140125N-x-xxxxxx	155	125	93	78.8 x 31.5 x 27.5	LPxxx-140125H-x-xxxxxx	134	100	75	60.0 x 38.0 x 16.0
LPxxx-140150N-x-xxxxxx	184	150	112	78.8 x 31.5 x 27.6	LPxxx-140150H-x-xxxxxx	157	125	93	78.8 x 31.5 x 27.5
LPxxx-140200N-x-xxxxxx	266	200	149	78.8 x 31.5 x 27.6	LPxxx-140200H-x-xxxxxx	180	150	112	78.8 x 31.5 x 27.5
LPxxx-140250N-x-xxxxxx	320	250	187	78.8 x 31.5 x 27.6	LPxxx-140250H-x-xxxxxx	270	200	149	78.8 x 31.5 x 27.5
LPxxx-140300N-x-xxxxxx	361	300	224	78.8 x 31.5 x 27.6	LPxxx-140300H-x-xxxxxx	307	250	187	78.8 x 31.5 x 27.5
LPxxx-140350N-x-xxxxxx	437	350	261	86.6 x 31.5 x 27.5	LPxxx-140350H-x-xxxxxx	377	300	224	86.6 x 31.5 x 27.5
LPxxx-140400N-x-xxxxxx	507	400	336	86.6 x 31.5 x 27.5	LPxxx-140400H-x-xxxxxx	415	350	261	86.6 x 31.5 x 27.5
LPxxx-140500N-x-xxxxxx	608	500	373	78.8 x 55.1 x 27.5	LPxxx-140500H-x-xxxxxx	513	400	298	78.8 x 55.1 x 27.5
LPxxx-140550N-x-xxxxxx	686	550	447	78.8 x 55.1 x 27.5	LPxxx-140550H-x-xxxxxx	583	450	336	78.8 x 55.1 x 27.5
LPxxx-140700N-x-xxxxxx	830	700	560	86.6 x 63.0 x 27.5	LPxxx-140700H-x-xxxxxx	716	500	373	86.6 x 63.0 x 27.5
LPxxx-140800N-x-xxxxxx	963	800	597	86.6 x 63.0 x 27.5	LPxxx-140800H-x-xxxxxx	716	600	485	86.6 x 63.0 x 27.5
LPxxx-141000N-x-xxxxxx	1245	1000	746	86.6 x 94.5 x 27.5	LPxxx-140650H-x-xxxxxx	788	650	500	86.6 x 63.0 x 27.5
					LPxxx-140900H-x-xxxxxx	1074	900	597	86.6 x 94.5 x 27.5
					LPxxx-141000H-x-xxxxxx	1182	1000	746	86.6 x 94.5 x 27.5

Normal Duty (ND) systems are not compatible with dynamic braking.

Heavy Duty (HD) systems are compatible with dynamic braking.

Normal Duty ratings are at 2 kHz switching frequency. For ratings other than 2 kHz refer to appropriate Power Installation Guide.

Heavy Duty ratings are at 3 kHz switching frequency. For ratings other than 3 kHz refer to appropriate Power Installation Guide.

Circuit Breakers used in packages 550 HP ND / 450 HP HD and above contain Arc Energy Reduction and Ground Fault Protection compliant with NEC guidelines.

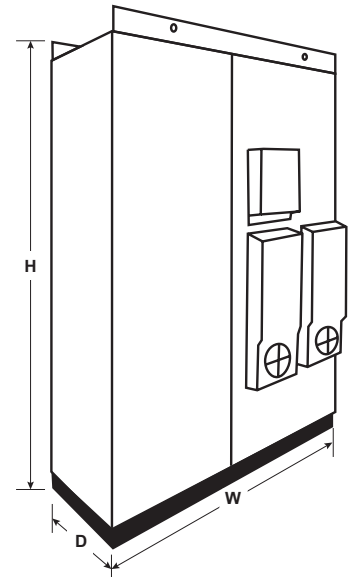
† Minimum Amps, some drive models may have higher current, see product details.

‡ M400, M600, and M70x up to 150 HP ND, 125 HP HD include internal line reactors.

Order Code

Sample Code:	LP	XXX	-	1	X	XXXX	X	-	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 0650 = 650 hp 0700 = 700 hp 0800 = 800 hp 0900 = 900 hp 1000 = 1000 hp	15. Keypads 0 = Door Mounted LCD Keypad 1 = Drive Mounted Keypad
3 - 5. Drive Model 400 = Unidrive M400 ⁽¹⁾ 600 = Unidrive M600 700 = Unidrive M700 701 = Unidrive M701 702 = Unidrive M702	17. Filtering Options 0 = None 1 = AC Input Reactor ⁽⁴⁾ 2 = AC Output Reactor ⁽⁵⁾ 3 = AC Input and Output Reactor	18. Blower Motor Starter Option 0 = None 1 = Blower motor starter
7. Input Power 1 = Thru-door disconnect circuit breaker ⁽²⁾	19. Data Port Option 0 = None 1 = Data Port	20. Air Conditioning 0 = None 1 = Air Conditioning
8. Voltage Rating 4 = 460VAC 5 = 575VAC ⁽³⁾	13. Duty Rating H = Heavy Duty N = Normal Duty	21. NEMA Rating 0 = NEMA 12 1 = NEMA 3R
	22. cULus Label 0 = None 1 = cULus	



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

(1) Unidrive M400 drive model is only available up to 200 HP normal duty / 150 HP heavy duty. (2) Drive line fuses and flanged handle circuit breaker are included as standard. Packages with Frame 11 drives (sizes 350 HP ND / 300 HP HD, 400 HP ND / 350 HP HD, 700 HP ND / 500 HP HD and above) offer through door circuit breaker as standard. (3) Consult factory for 575 Vac pricing.

(4) Built-in inductors (3% impedance) are standard up to Frame 8 150 HP ND / 125 HP HD. Optional input reactors (3% impedance) are available. Input reactors (3% impedance) are included on drives 150 HP Frame 9 (Normal Duty) and above as standard.

(5) Output reactors (1% impedance) are included on drives 500 HP (normal duty) and above as standard. Optional output reactors (1.5% impedance) are available on all other drives.

(6) Consult factory for NEMA 3R pricing.

(7) Door mounted keypad and E-Stop push-button are offered as standard. The keypad provides the features of power on, run, fault indication and the ability to start, stop, and provide speed control.