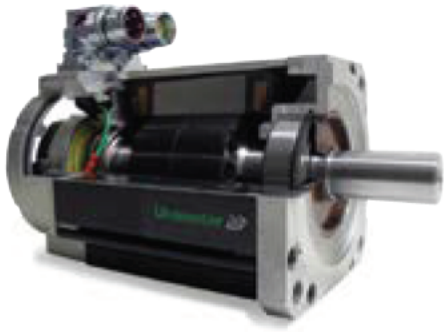
Unimotor hd 230 V | 460 V

Order Code information

Use the information below to create an order code for a Unimotor hd (top row is an example).

089	UD	B	30	5	B	A	CA		A	XXX	XXX
Frame Size	Motor Voltage	Stator Length	Speed	Brake (24 V)	Connection Type	Output Shaft	Feedback Device		Inertia	BCD	Shaft Diameter
		055 - 089 Frames	055 - 067 Frames	055 - 190 Frames	055 - 115 Frames		055 Frame			055 Frame Only†	
055	ED = 230 V	A	30 = 3000 rpm	0 = Not Fitted	B = Power size 1.0 and Signal 90° and Rotatable	A = Keyway w/ full key installed	CR = Incremental Encoder (Renco) **	4096 ppr (R35i)	A = Std.	063	9.0 A-C
067	UD = 460 V	B	60 = 6000 rpm				EM = SinCos Multi-Turn	EQI 1130 - EnDat			11.0 A-C
089		C	089 Frame	5 = Holding Brake**			FM = SinCos Single-Turn	ECI 1118 - EnDat			14.0 A-C
115		115 Frame	30 = 3000 rpm				AR = Resolver				
142		B	40 = 4000 rpm		142 Frame‡	F=Keyway w/ full & half key* provided	67 Frame				
190		C	60 = 6000 rpm		B = Power size 1.0 and Signal 90° and Rotatable		CR = Incremental Encoder (Renco) **	4096 ppr (R35i)			
		D	115 Frame				EM = SinCos Multi-Turn	EQI 1130 - EnDat			
		142 Frame	20 = 2000 rpm				FM = SinCos Single-Turn	ECI 1118 - EnDat			
		C	30 = 3000 rpm				AR = Resolver				
		D	142 Frame		J = Power size 1.5 and Signal 90° Rotatable		089 - 190 Frames				
		E	10 = 1000 rpm				CA = Incremental Encoder (SICK)	4096 ppr (CFS50)			
		190 Frame	15 = 1500 rpm				EC = SinCos Multi-Turn	EQI 1331 - EnDat			
		C	20 = 2000 rpm		190 Frame		EB = SinCos Multi-Turn	EQN 1325 - EnDat			
		D	30 = 3000 rpm		J = Power size 1.5 and signal 90° and Rotatable		FB = SinCos Single-Turn	ECN 1313 - EnDat			
		F	190 Frame				FC = SinCos Single-Turn	ECI 1319 - EnDat			
			10 = 1000 rpm				RA = SinCos Multi-Turn	SRM 50 (GEN 2) - HIPERFACE			
			15 = 1500 rpm				SA = SinCos Single-Turn	SRS 50 (GEN 2) - HIPERFACE			
			20 = 2000 rpm				AE = Resolver				

NOTES:
*Half key provided to create a smooth shaft and balance
**Holding brakes are not designed for dynamic use
‡Refer to 142 mm Frame Ratings and Dimensions table for commector size data
†Add **Bolt Circle Diameter (BCD) and Shaft Diameter** code for 055 frame only (11 and 14 mm are standard). ex. 055EDC600BACRA**063110**

The Unimotor hd series servo motor expands the capabilities of Emerson Industrial Automation motion systems that provide high torque in a small size as well as support for incremental encoders, absolute encoders and resolver motor feedback.