

# Motor Data Sheet

Supplied To.				Type Code		Frame Ref.	
				MC2N005-9		184T	
Manufacturing Standard NEMA MG-1, IEEE841				Starting Method		Output	
Frame Material Cast Iron		Mounting F1/F2		5		Hp	
All Data Below based on 460V @ 60hz				VFD Duty Variable torque 10:1 Constant torque 5:1		Supply 460	
Item No.				L.R. PF 0.454		Connection type Y	
Sales order / Line no.				Amps @460V 6.0			
Account No.				N.L. amps 1		Hertz 60	
Load (Hp)		Full	3/4	1/2	N.L. PF 0.2		Poles/rpm 2 / 3600
Efficiency		88.5	87	85	Duty S1		Cooling Code TEFC/IC411
Power Factor		0.85	0.87	0.85	Efficiency PREMIUM		Insulation F
Amps (Ia) at 460V		6.0	4.7	3.3	Phase 3		Service Factor 1.15
Speed (rpm)		3525	3544	3562	cos Ø 0.85		IP 55
Speed / Torque Curve 				Noise pressure level at 1m no load 75		dB(A)	
				DE bearing Ref. 6206/C3		NDE bearing Ref. 6206/C3	
FLT (Mn)				7.3		ft-lb	
LRT (DOL) (Ma/Mn)		1.6	FLT	11.7	Rotor inertia 0.015		kgm/sq
LRT (DOL) 80% V		1.0	FLT	7.5	Vibration levels less than 1.8		mm/sec
PUT (Ms/Mn)		0.8	FLT	6.0	Shaft details Ø 1.125" x 2.75"		LONG EXT'N
POT (Mk/Mn)		3.2	FLT	23.6	T.Box entry 0.75"-14NPT		
Speed / Current Curve 				Motor weight (Approx. net) 136.71		lb	
				L.R. Time hot 13.2		secs	
LRC (DOL) (Ia/In)		7.1	FLC	51.8	amps		A.R.T. 100% Volts 13.2
LRC (DOL) 80% V		4.2	FLC	25	amps		A.R.T. 80% Volts 23
External inertia (WR^2) KGM^2				Winding thermistors fitted As Option		°F	
No of starts/Hr with above inertia				Winding thermostats fitted As Option		°F	
Starting time with above inertia Secs				Anti condensation heaters 1/120V/60W		Volts	
Remarks				Drawing number 1AP.050.0390.2WXY		Certifying Authority CSA (C=US)	
				Certificate No.			
				Marking 		Class 1 Div 2 Grps A,B,C,D	

