

# Motor Data Sheet

Supplied To.				Type Code		Frame Ref.	
				MC6N001-9		145T	
Manufacturing Standard NEMA MG-1, IEEE841				Starting Method		Output	
Frame Material Cast Iron		Mounting F1/F2		1		Hp	
All Data Below based on 460V @ 60hz				VFD Duty Variable torque 10:1 Constant torque 5:1		Supply	
Item No.				L.R. PF		460	
Sales order / Line no.				0.578		V	
Account No.				Amps		Connection type	
Load (Hp)				Full		Y	
Efficiency				3/4		1/2	
Power Factor				0.66		0.67	
Amps (Ia) at 460V				1.7		1.3	
Speed (rpm)				1175		1155	
Speed / Torque Curve				N.L. amps		Hertz	
				0.7		60	
				N.L. PF		Poles/rpm	
Duty				0.2		6 / 1200	
S1				Cooling Code		TEFC/IC411	
Efficiency		Insulation		Temperature rise Class			
PREMIUM		F		B			
Phase		Service Factor		cos Ø		IP	
3		1.15		0.66		55	
Noise pressure level at 1m no load				55 dB(A)			
DE bearing Ref.				6205/C3			
NDE bearing Ref.				6205/C3			
Lubrication grease							
Lubrication interval (hrs)				DE 8760 NDE 8760			
FLT (Mn)				4.4 ft-lb			
LRT (DOL) (Ma/Mn)		2.2		FLT		9.8 ft-lb	
LRT (DOL) 80% V		1.4		FLT		6.3 ft-lb	
PUT (Ms/Mn)		1.0		FLT		4.5 ft-lb	
POT (Mk/Mn)		2.8		FLT		12.3 ft-lb	
Speed / Current Curve				Motor weight (Approx. net)			
				74.97 lb			
				L.R. Time hot			
LRC (DOL) (Ia/In)				4.4		FLC	
2.8				5		amps	
External inertia (WR^2)				KGM^2			
No of starts/Hr with above inertia							
Starting time with above inertia				Secs			
Remarks				L.R. Time cold			
				53.8 secs			
				A.R.T. 100% Volts			
				21.9 secs			
				A.R.T. 80% Volts			
				46.2 secs			
				Number of terminals			
				3 wire			
				NEMA Design letter			
				N			
				Maximum volts drop at start:			
				20%			
				Maximum Altitude			
				3300 ft			
				Ambient temp range			
				-20 - 40 °C			
				Thermal time constant			
				90 Minutes			
				Direction of rotation			
				CW/CCW/BI			
				Winding thermistors fitted			
				As Option °F			
				Winding thermostats fitted			
				As Option °F			
				Anti condensation heaters			
				--- Volts			
				Drawing number			
				1AP.050.0389.7WXY			
				Certifying Authority			
				CSA (C=US)			
				Certificate No.			
				Marking			
				 Class 1 Div 2 Grps A,B,C,D			

