

Motor Data Sheet

Supplied To.				Type Code		Frame Ref.																					
				MC4N002-9		145T																					
Manufacturing Standard NEMA MG-1, IEEE841				Starting Method		Output Hp																					
Frame Material Cast Iron		Mounting F1/F2		Variable torque 10:1 Constant torque 5:1		Supply V 460																					
All Data Below based on 460V @ 60hz				VFD Duty		Connection type																					
Item No.				L.R. PF 0.635		Y																					
Sales order / Line no.				Amps @460V 2.6																							
Account No.				N.L. amps 0.9		Hertz 60																					
Load (Hp)		Full	3/4	1/2	N.L. PF 0.2		Poles/rpm 4 / 1800																				
Efficiency		86.5	86	84	Duty S1		Cooling Code TEFC/IC411																				
Power Factor		0.84	0.84	0.82	Efficiency PREMIUM		Insulation F																				
Amps (Ia) at 460V		2.6	1.9	1.4	Phase 3		Service Factor 1.15																				
Speed (rpm)		1765	1773	1781	cos Ø 0.84		IP 55																				
Speed / Torque Curve				Noise pressure level at 1m no load 60 dB(A)		Temperature rise Class B																					
				DE bearing Ref. 6205/C3		Lubrication grease																					
<table border="1"> <tr> <td>FLT (Mn)</td> <td></td> <td>5.8</td> <td>ft-lb</td> </tr> <tr> <td>LRT (DOL) (Ma/Mn)</td> <td>2.4</td> <td>FLT 14.1</td> <td>ft-lb</td> </tr> <tr> <td>LRT (DOL) 80% V</td> <td>1.5</td> <td>FLT 9.0</td> <td>ft-lb</td> </tr> <tr> <td>PUT (Ms/Mn)</td> <td>1.2</td> <td>FLT 7.3</td> <td>ft-lb</td> </tr> <tr> <td>POT (Mk/Mn)</td> <td>3.9</td> <td>FLT 22.8</td> <td>ft-lb</td> </tr> </table>				FLT (Mn)		5.8	ft-lb	LRT (DOL) (Ma/Mn)	2.4	FLT 14.1	ft-lb	LRT (DOL) 80% V	1.5	FLT 9.0	ft-lb	PUT (Ms/Mn)	1.2	FLT 7.3	ft-lb	POT (Mk/Mn)	3.9	FLT 22.8	ft-lb	NDE bearing Ref. 6205/C3		Lubrication interval (hrs) DE 8470 NDE 8470	
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				Rotor inertia 0.017 kgm/sq		Vibration levels less than 1.8 mm/sec																					
				Shaft details Ø 0.875" x 2.25" LONG EXT'N		T.Box entry 0.75"-14NPT																					
				Motor weight (Approx. net) 74.97 lb																							
Speed / Current Curve				L.R. Time hot 7.9 secs																							
				L.R. Time cold 19.4 secs																							
				A.R.T. 100% Volts 7.9 secs																							
				A.R.T. 80% Volts 14.6 secs																							
				Number of terminals 3 wire																							
				NEMA Design letter L																							
				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																							
LRC (DOL) (Ia/In)		7.8	FLC 45.5	Drawing number 1AP.050.0389.5WXY																							
LRC (DOL) 80% V		5.1	FLC 13	Certifying Authority CSA (C=US)																							
External inertia (WR^2) KGM^2				Certificate No.																							
No of starts/Hr with above inertia				Marking  Class 1 Div 2 Grps A,B,C,D																							
Starting time with above inertia Secs																											
Remarks																											

