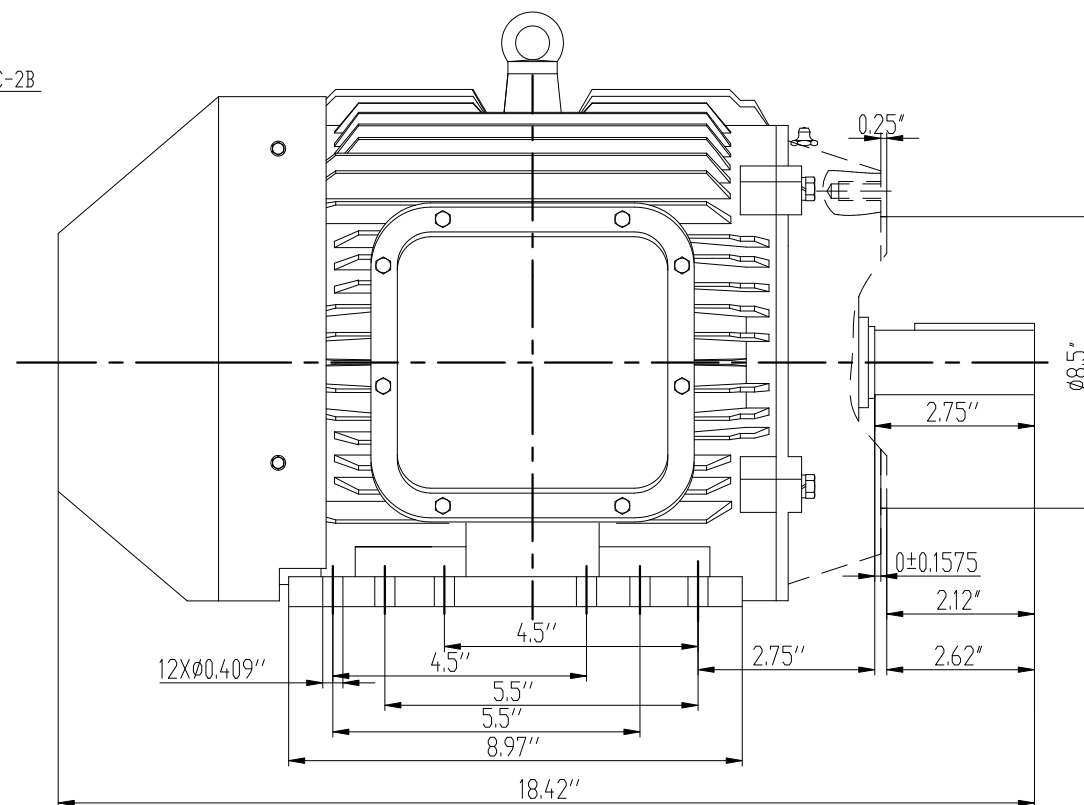
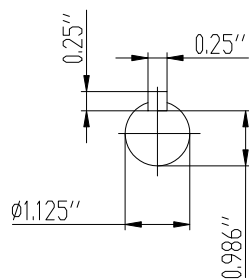


Motor Data Sheet

Supplied To.				Type Code		Frame Ref.	
				MC4N003-9		182T	
				Starting Method			
Manufacturing Standard NEMA MG-1, IEEE841				Output 3 Hp		Supply 460 V	
Frame Material Cast Iron		Mounting F1/F2		VFD Duty Variable torque 10:1 Constant torque 5:1		Connection type Y	
All Data Below based on 460V @ 60hz				L.R. PF 0.459		Amps @460V 3.8	
Item No.				N.L. amps 0.7		Hertz 60	
Sales order / Line no.				N.L. PF 0.2		Poles/rpm 4 / 1800	
Account No.				Duty S1		Cooling Code TEFC/IC411	
Load (Hp)	Full	3/4	1/2	Efficiency PREMIUM	Insulation F	Temperature rise Class B	
Efficiency	89.5	89	87.5	Phase 3	Service Factor 1.15	cos Ø 0.77	IP 55
Power Factor	0.77	0.77	0.76	Noise pressure level at 1m no load 62 dB(A)		DE bearing Ref. 6206/C3	
Amps (Ia) at 460V	3.8	3.1	2.1	NDE bearing Ref. 6206/C3		Lubrication grease	
Speed (rpm)	1761	1774	1782	Lubrication interval (hrs) DE 8470 NDE 8470		Rotor inertia 0.019 kgm/sq	
Speed / Torque Curve 				Vibration levels less than 1.8 mm/sec		Shaft details Ø 1.125" x 2.75" LONG EXT'N	
				T.Box entry 0.75"-14NPT			
				Motor weight (Approx. net) 141.12 lb			
				L.R. Time hot 24.1 secs			
				L.R. Time cold 59.1 secs			
Speed / Current Curve 				A.R.T. 100% Volts 24.1 secs			
				A.R.T. 80% Volts 45.8 secs			
				Number of terminals 3 wire			
				NEMA Design letter K			
				Maximum volts drop at start: 20%			
LRC (DOL) (Ia/In) 7.4 FLC 65.2 amps		Maximum Altitude 3300 ft		Ambient temp range -20 - 40 °C			
LRC (DOL) 80% V 4.5 FLC 17 amps		Thermal time constant 90 Minutes		Direction of rotation CW/CCW/BI			
External inertia (WR^2) KGM^2		Winding thermistors fitted As Option		Winding thermostats fitted As Option			
No of starts/Hr with above inertia		Anti condensation heaters 1/120V/60W Volts		Drawing number 1AP.050.0390.3WXY			
Starting time with above inertia Secs		Certifying Authority CSA (C=US)		Certificate No.			
Remarks		Marking Class 1 Div 2 Grps A,B,C,D					

[illegible]

						1AP.050.0552.1-8WX	
						WEIGHT	SCALE
							1:1
LET. REVISION					BY	DATE	
DESIGN					REN XIAOHUA		
REVIEW					XIE XIAOLONG		
APPROVE					YU JIABIN		
DATE					20170526		
						NSHE180 MOTOR	
						F-1	
						BROOK CROMPTON Keeping Industry Turning 	