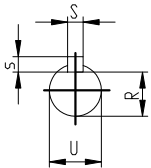
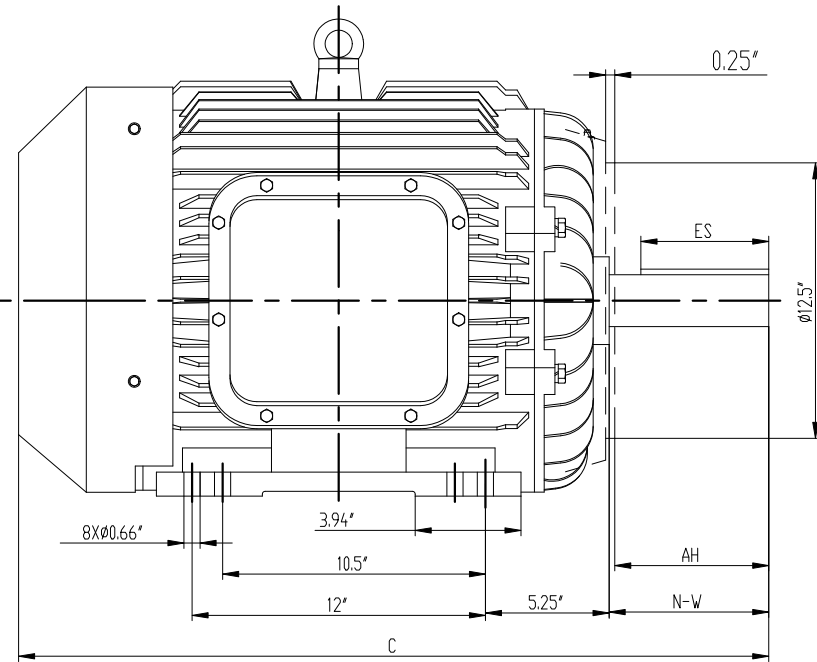


Motor Data Sheet

Supplied To.				Type Code		Frame Ref.	
				MC4N040-9		324T	
				Starting Method			
Manufacturing Standard NEMA MG-1, IEEE841				Output 40 Hp		Supply 460 V	
Frame Material Cast Iron		Mounting F1/F2		VFD Duty Variable torque 10:1 Constant torque 5:1		Connection type D	
All Data Below based on 460V @ 60hz				L.R. PF 0.308		Amps @460V 46.0	
Item No.				N.L. amps 7.8		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	94.1	94.2	93.9	Phase 3	Service Factor 1.15	cos Ø 0.85	IP 55
Power Factor	0.85	0.85	0.85	Noise pressure level at 1m no load 74 dB(A)			
Amps (Ia) at 460V	46.0	35.1	23.5	DE bearing Ref. 6312/C3			
Speed (rpm)	1783	1787	1791	NDE bearing Ref. 6312/C3			
Speed / Torque Curve 				Lubrication grease			
				Lubrication interval (hrs) DE 6630 NDE 6630			
				Rotor inertia 0.46 kgm/sq			
Speed / Current Curve 				Vibration levels less than 2.2 mm/sec			
Speed / Current Curve 				Shaft details Ø 2.125" x 5.25" LONG EXT'N			
Speed / Current Curve 				T.Box entry 2"-11.5NPT			
Speed / Current Curve 				Motor weight (Approx. net) 663.705 lb			
Speed / Current Curve 				L.R. Time hot 35.3 secs			
Speed / Current Curve 				L.R. Time cold 86.6 secs			
Speed / Current Curve 				A.R.T. 100% Volts 35.3 secs			
Speed / Current Curve 				A.R.T. 80% Volts 60.4 secs			
Speed / Current Curve 				Number of terminals 3 wire			
Speed / Current Curve 				NEMA Design letter G			
Speed / Current Curve 				Maximum volts drop at start: 20%			
Speed / Current Curve 				Maximum Altitude 3300 ft			
Speed / Current Curve 				Ambient temp range -20 - 40 °C			
Speed / Current Curve 				Thermal time constant 90 Minutes			
Speed / Current Curve 				Direction of rotation CW/CCW/BI			
Speed / Current Curve 				Winding thermistors fitted As Option °F			
Speed / Current Curve 				Winding thermostats fitted As Option °F			
Speed / Current Curve 				Anti condensation heaters 1/120V/76W Volts			
Speed / Current Curve 				Drawing number 1AP.050.0252.7WXY			
Speed / Current Curve 				Certifying Authority CSA (C=US)			
Speed / Current Curve 				Certificate No.			
Speed / Current Curve 				Marking Class 1 Div 2 Grps A,B,C,D			
Remarks							

[illegible]

MODEL	ES	U	R	N-W	S	C	AH
NSHE324TS/TSC-2 40HP	2.05"	1.875"	1.591"	3.75"	0.5"	30.3"	3.5"
NSHE326TS/TSC-2 50HP	2.05"	1.875"	1.591"	3.75"	0.5"	30.3"	3.5"
NSHE324T/TC-2 40HP	3.93"	2.125"	1.845"	5.25"	0.5"	31.9"	5"
NSHE326T/TC-2 50HP	3.93"	2.125"	1.845"	5.25"	0.5"	31.9"	5"
NSHE324TS/TSC-4 40HP	2.05"	1.875"	1.591"	3.75"	0.5"	30.3"	3.5"
NSHE326TS/TSC-4 50HP	2.05"	1.875"	1.591"	3.75"	0.5"	30.3"	3.5"
NSHE324T/TC-4 40HP	3.93"	2.125"	1.845"	5.25"	0.5"	31.9"	5"
NSHE326T/TC-4 50HP	3.93"	2.125"	1.845"	5.25"	0.5"	31.9"	5"
NSHE324T/TC-6 25HP	3.93"	2.125"	1.845"	5.25"	0.5"	31.9"	5"
NSHE326T/TC-6 30HP	3.93"	2.125"	1.845"	5.25"	0.5"	31.9"	5"
NSHE324T/TC-8 20HP	3.93"	2.125"	1.845"	5.25"	0.5"	31.9"	5"
NSH326T/TC-8 25HP	3.93"	2.125"	1.845"	5.25"	0.5"	31.9"	5"

						1AP.050.0556.1-12WXY	
LET. REVISION				BY	DATE		
DESIGN				REN XIAOHUA			
REVIEW				XIE XIAOLONG			
APPROVE				YU JIABIN			
DATE				20170522			
NSHE320 MOTOR						WEIGHT	SCALE
							1:1
F-1						 BROOK CROMPTON Keeping Industry Turning	