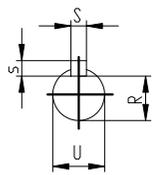
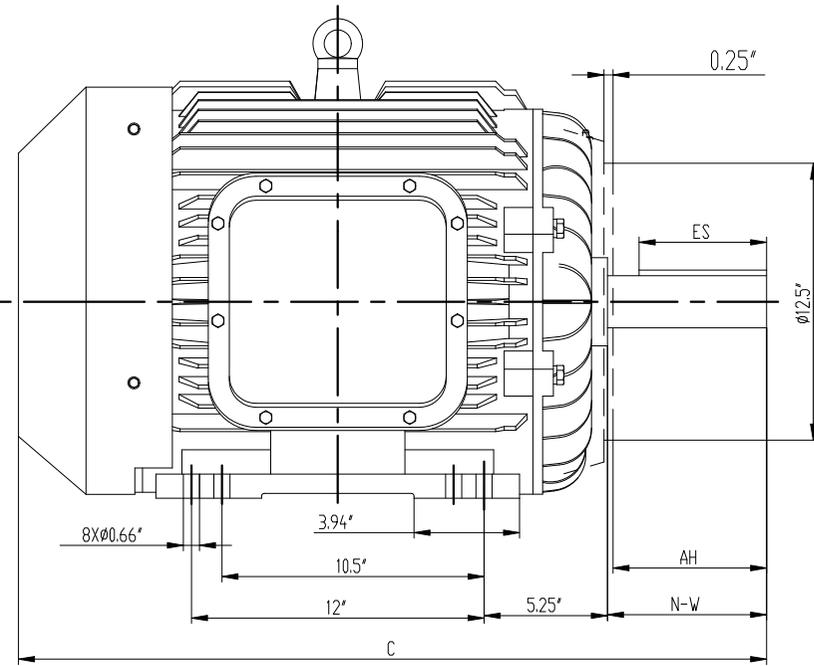
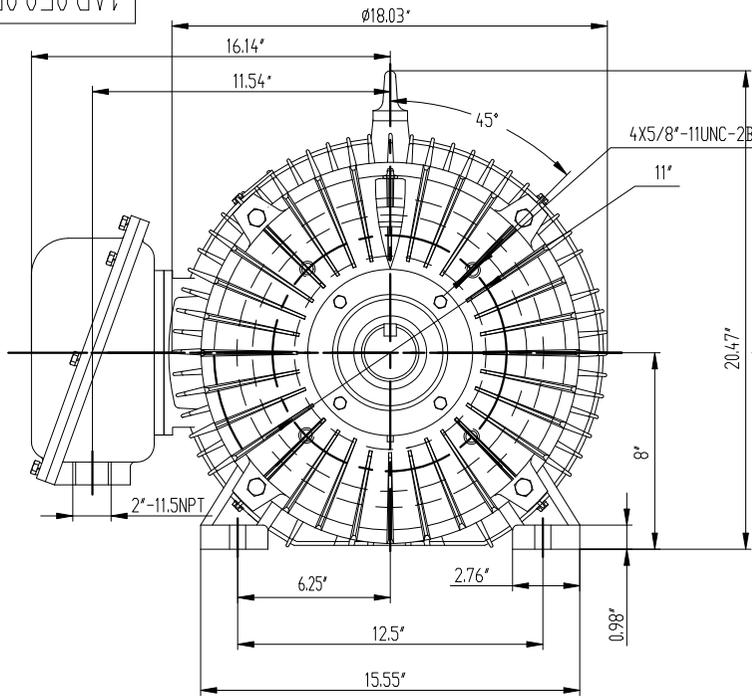


Motor Data Sheet

Supplied To.				Type Code		Frame Ref.	
				MC6N025-9		324T	
Manufacturing Standard NEMA MG-1, IEEE841				Starting Method		Output	
Frame Material Cast Iron		Mounting F1/F2		25		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 0.261		Connection type D	
Sales order / Line no.				Amps @460V 29.0			
Account No.				N.L. amps 6		Hertz 60	
Load (Hp)		Full	3/4	1/2	N.L. PF 0.2		Poles/rpm 6 / 1200
Efficiency		93	93.2	92.8	Duty S1		Cooling Code TEFC/IC411
Power Factor		0.83	0.83	0.82	Efficiency PREMIUM		Insulation F
Amps (Ia) at 460V		29.0	22.7	15.3	Phase 3		Service Factor 1.15
Speed (rpm)		1187	1191	1194	cos Ø 0.83		IP 55
Speed / Torque Curve				Noise pressure level at 1m no load 64		dB(A)	
				DE bearing Ref. 6312/C3		Temperature rise Class B	
				NDE bearing Ref. 6312/C3		Lubrication grease	
FLT (Mn)				109.4		ft-lb	
LRT (DOL) (Ma/Mn)		1.2	FLT	126.2	Rotor inertia 0.28		kgm/sq
LRT (DOL) 80% V		0.7	FLT	80.7	Vibration levels less than 2.2		mm/sec
PUT (Ms/Mn)		0.5	FLT	55.6	Shaft details Ø 2.125" x 5.25" LONG EXT'N		
POT (Mk/Mn)		2.1	FLT	235.0	T.Box entry 2"-11.5NPT		
Speed / Current Curve				Motor weight (Approx. net) 661.5		lb	
				L.R. Time hot 43.5		secs	
				L.R. Time cold 106.8		secs	
LRC (DOL) (Ia/In)		5.1	FLC	555.1	A.R.T. 100% Volts 43.5		secs
LRC (DOL) 80% V		2.8	FLC	80	A.R.T. 80% Volts 88.4		secs
External inertia (WR^2) KGM^2				Number of terminals 3 wire		NEMA Design letter G	
No of starts/Hr with above inertia				Maximum volts drop at start: 20%		Maximum Altitude 3300	
Starting time with above inertia Secs				Ambient temp range -20 - 40		°C	
Remarks				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 1/120V/75W		Volts	
				Drawing number 1AP.050.0252.9WXY		Certifying Authority CSA (C=US)	
				Certificate No.		Marking  Class 1 Div 2 Grps A,B,C,D	

1AP.050.0556.1-12WXY



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"

LET.	REVISION	BY	DATE
	DESIGN	REN XIADHUA	
	REVIEW	XIE XIADLONG	
	APPROVE	YU JIABIN	
	DATE	20170522	

NSHE320 MOTOR

F-1

1AP.050.0556.1-12WXY

WEIGHT	SCALE
	1:1

