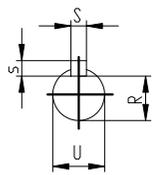
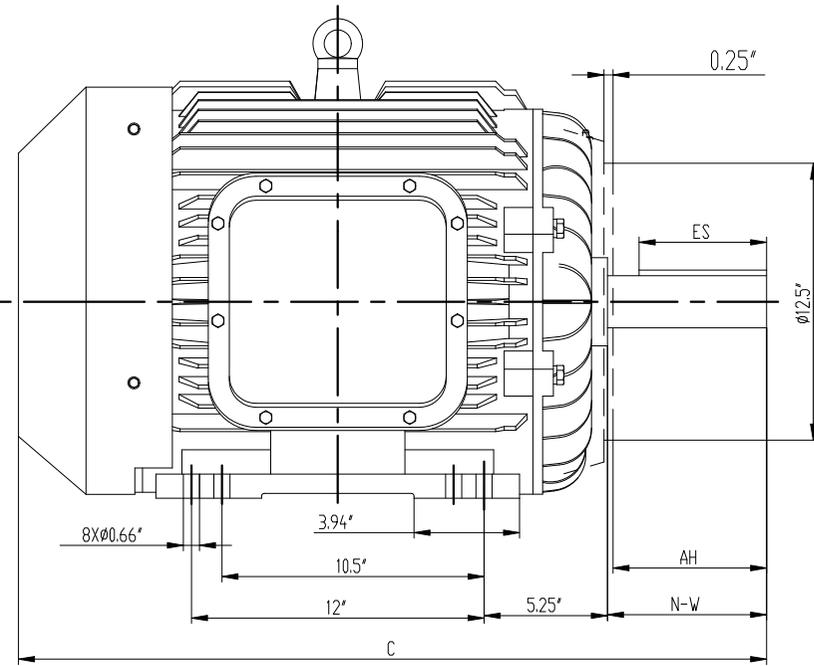
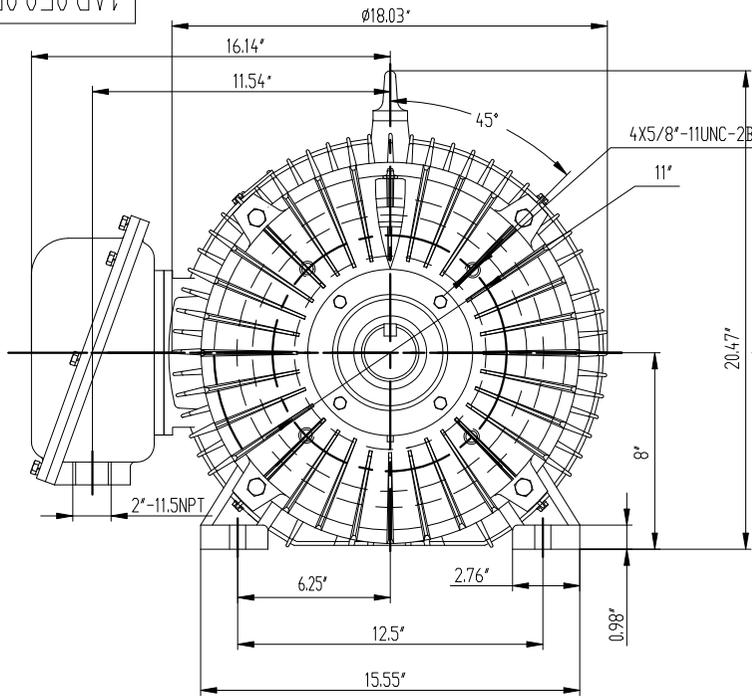


Motor Data Sheet

Supplied To.				Type Code		Frame Ref.	
				MC2N040-9		324TS	
Manufacturing Standard NEMA MG-1, IEEE841				Starting Method		Output	
Frame Material Cast Iron		Mounting F1/F2		40		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.				0.281		V	
Account No.				Amps		@460V	
Load (Hp)		Full	3/4	44.5		44.5	
Efficiency		92.4	92.4	Hertz		60	
Power Factor		0.88	0.88	N.L. amps		7.5	
Amps (Ia) at 460V		44.5	34.5	N.L. PF		0.2	
Speed (rpm)		3566	3579	Poles/rpm		2 / 3600	
Speed / Torque Curve				Duty		Cooling Code	
				S1		TEFC/IC411	
				Efficiency		Insulation	
FLT (Mn)		58.4		PREMIUM		F	
LRT (DOL) (Ma/Mn)		1.4	FLT	82.0		B	
LRT (DOL) 80% V		0.9	FLT	52.5		Phase	
PUT (Ms/Mn)		0.8	FLT	45.5		Service Factor	
POT (Mk/Mn)		2.9	FLT	170.4		1.15	
Noise pressure level at 1m no load				86		dB(A)	
DE bearing Ref.				6312/C3		cos Ø	
NDE bearing Ref.				6312/C3		0.88	
Lubrication grease				IP		55	
Lubrication interval (hrs)				DE 3040		Shaft details	
				NDE 3040		Ø 1.875" x 3.75" LONG EXT'N	
Rotor inertia				0.15		T.Box entry	
Vibration levels less than				2.2		2"-11.5NPT	
Motor weight (Approx. net)				661.5		lb	
Speed / Current Curve				L.R. Time hot		48	
				L.R. Time cold		82.2	
				A.R.T. 100% Volts		48	
LRC (DOL) (Ia/In)		5.6	FLC	329.5		secs	
LRC (DOL) 80% V		3.5	FLC	157		amps	
External inertia (WR^2)				KGM^2		Number of terminals	
No of starts/Hr with above inertia				3		wire	
Starting time with above inertia				Secs		NEMA Design letter	
Remarks				G		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		°F	
				As Option		Anti condensation heaters	
				1/120V/75W		Volts	
Drawing number				1AP.050.0252.1WXY		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

