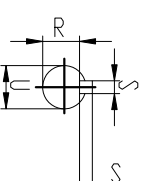
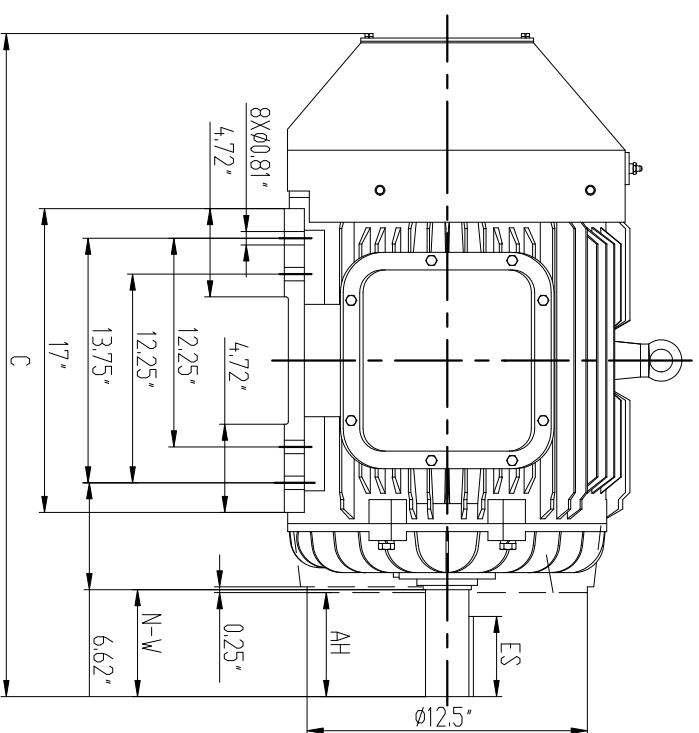
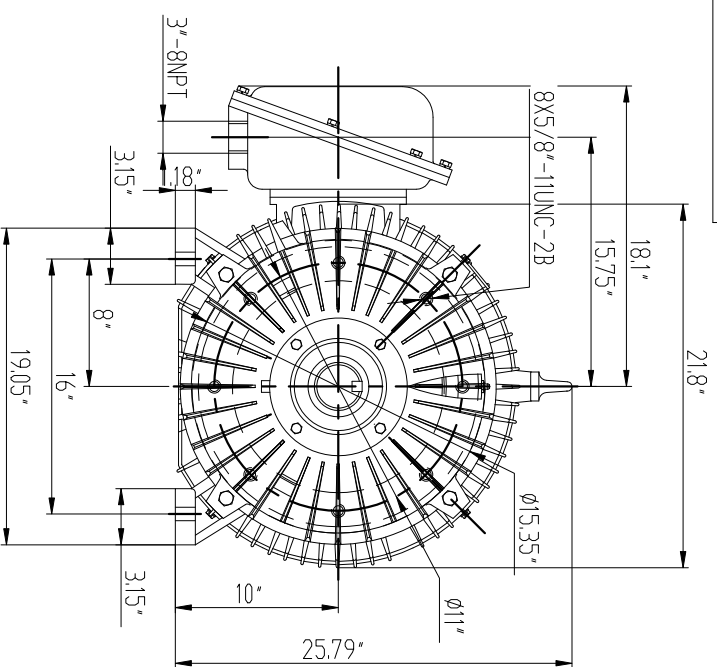


Motor Data Sheet

Supplied To.				Type Code		Frame Ref.	
				MC6N075-9		405T	
				Starting Method			
Manufacturing Standard NEMA MG-1, IEEE841				Output 75 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 0.332		Amps @460V 89.0	
Item No.				N.L. amps 12.8		Hertz 60	
Sales order / Line no.				N.L. PF 0.2		Poles/rpm 6 / 1200	
Account No.				Duty S1		Cooling Code TEFC/IC411	
Load (Hp)	Full	3/4	1/2	Efficiency PREMIUM	Insulation F	Temperature rise Class B	
Efficiency	94.5	94.6	94.2	Phase 3	Service Factor 1.15	cos Ø 0.83	IP 55
Power Factor	0.83	0.83	0.83	Noise pressure level at 1m no load 68 dB(A)			
Amps (Ia) at 460V	89.0	67.1	45.1	DE bearing Ref. 6316/C3			
Speed (rpm)	1192	1193	1196	NDE bearing Ref. 6314/C3			
Speed / Torque Curve 				Lubrication grease			
				Lubrication interval (hrs) DE 7170 NDE 7680			
				Rotor inertia 1.3 kgm/sq			
FLT (Mn) 328.3 ft-lb				Vibration levels less than 2.2 mm/sec			
LRT (DOL) (Ma/Mn) 1.7 FLT 570.8 ft-lb				Shaft details Ø 2.875" x 7.25" LONG EXT'N			
LRT (DOL) 80% V 1.1 FLT 365.3 ft-lb				T.Box entry 3"-8NPT			
PUT (Ms/Mn) 0.8 FLT 256.7 ft-lb				Motor weight (Approx. net) 1345.05 lb			
POT (Mk/Mn) 1.9 FLT 621.7 ft-lb				L.R. Time hot 42.3 secs			
				L.R. Time cold 103.8 secs			
				A.R.T. 100% Volts 42.3 secs			
				A.R.T. 80% Volts 84.2 secs			
				Number of terminals 3 wire			
				NEMA Design letter 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 As Option °F			
				Anti condensation heaters 1/120V/75W Volts			
LRC (DOL) (Ia/In) 5.3 FLC 1724.0 amps				Drawing number 1AP.050.0230.5WXY			
LRC (DOL) 80% V 2.3 FLC 204 amps				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							

1AP.050.0558.1-11WXY



MODEL	U	R	S	N-W	C	AH	ES
NSHE405TS/TSC-2 100HP	ø2.125"	1.845"	0.5"	4.25"	35.6"	4"	2.83"
NSHE405TS/TSC-4 100HP	ø2.125"	1.845"	0.5"	4.25"	35.6"	4"	2.83"
NSHE405T/TC-4 100HP	ø2.875"	2.45"	0.75"	7.25"	38.6"	7"	5.71"
NSHE404T/TC-6 60HP	ø2.875"	2.45"	0.75"	7.25"	38.6"	7"	5.71"
NSHE405T/TC-6 75HP	ø2.875"	2.45"	0.75"	7.25"	38.6"	7"	5.71"
NSHE404T/TC-8 50HP	ø2.875"	2.45"	0.75"	7.25"	38.6"	7"	5.71"
NSHE405T/TC-8 60HP	ø2.875"	2.45"	0.75"	7.25"	38.6"	7"	5.71"

[illegible]