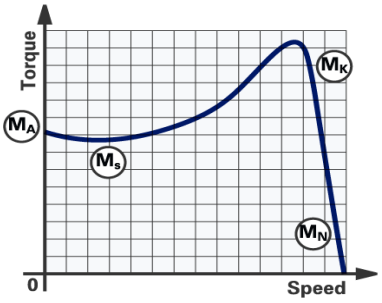
Motor Data Sheet

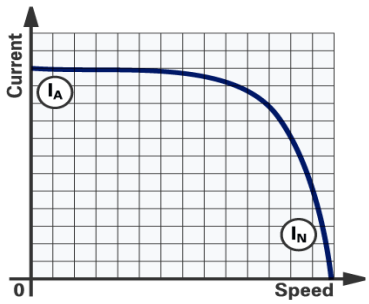
BROOK CROMPTON
Keeping Industry Turning

Supplied To.				**Type Code**		**Frame Ref.**	
				MC6N010-9		*256T*	
				Starting Method			
Manufacturing Standard				**Output** Hp		**Supply** V	
NEMA MG-1, IEEE841				*10*		*460*	
Frame Material	**Mounting**			**VFD Duty**		**Connection type**	
Cast Iron	*F1/F2*			*Variable torque 10:1*		D	
All Data Below based on 460V @ 60hz				*Constant torque 5:1*			
Item No.				**L.R. PF**		**Amps**	
Sales order / Line no.				*0.421*		*@460V 12.5*	
Account No.							
Load (Hp)	**Full**	**3/4**	**1/2**				
Efficiency	*91*	*90*	*89*	**N.L. amps**		**Hertz**	
Power Factor	*0.81*	*0.82*	*0.81*	*2.9*		*60*	
Amps (Ia) at 460V	*12.5*	*9.5*	*6.5*	**N.L. PF**		**Poles/rpm**	
Speed (rpm)	*1178*	*1190*	*1193*	*0.2*		*6 / 1200*	
Speed / Torque Curve				**Duty**		**Cooling Code**	
				S1		*TEFC/IC411*	
				Efficiency	**Insulation**	**Temperature rise Class**	
				PREMIUM	*F*	*B*	
				Phase	**Service Factor**	**cos Ø**	**IP**
				3	*1.15*	*0.81*	*55*



FLT (Mn)			*43.8*	ft-lb	**Noise pressure level at 1m no load**	*60*	dB(A)
LRT (DOL) (Ma/Mn)	*2.0*	FLT	*89.3*	ft-lb	**DE bearing Ref.**	*6309/C3*	
LRT (DOL) 80% V	*1.3*	FLT	*57.1*	ft-lb	**NDE bearing Ref.**	*6209/C3*	
PUT (Ms/Mn)	*1.0*	FLT	*42.6*	ft-lb	**Lubrication grease**		
POT (Mk/Mn)	*2.4*	FLT	*107.2*	ft-lb	**Lubrication interval (hrs)**	*DE 8760*	
						NDE 8760	
					Rotor inertia	*0.065*	kgm/sq
					Vibration levels less than	*1.8*	mm/sec
					Shaft details Ø	1.625" x 4"	LONG EXT'N
					T.Box entry	1-1/4"NPT	

					Motor weight (Approx. net)	*368.235*	lb
Speed / Current Curve					**L.R. Time hot**	*15.9*	secs
					L.R. Time cold	*39.1*	secs
					A.R.T. 100% Volts	*15.9*	secs
					A.R.T. 80% Volts	*29.9*	secs
					Number of terminals	*3 wire*	
					NEMA Design letter	*H*	
					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
LRC (DOL) (Ia/In)	*6.1*	FLC	*268.0*	amps	**Winding thermostats fitted**	*As Option*	°F
					Anti condensation heaters	*1/120V/75W*	Volts
LRC (DOL) 80% V	*3.6*	FLC	*45*	amps	**Drawing number**	*1AP.050.0392.6WXY*	
External inertia (WR^2)				*KGM^2*	**Certifying Authority**	*CSA (C=US)*	
No of starts/Hr with above inertia					**Certificate No.**		
Starting time with above inertia				*Secs*	**Marking**	*Class 1 Div 2 Grps A,B,C,D*	



Remarks

1AP.050.0554.1-8WX

MODEL
NSHE254T/TC-2 15HP
NSHE256T/TC-2 20HP
NSHE254T/TC-4 15HP
NEHE256T/TC-4 20HP
NSHE254T/TC-6 7.5HP
NSHE256T/TC-6 10HP
NSHE254T/TC-8 5HP
NSHE256T/TC-8 7.5HP

LET.	REVISION	BY	DATE

DESIGN	REN XIAOHUA
REVIEW	XIE XIAOLONG
APPROVE	YU JIABIN
DATE	20170522

NSHE250 MOTOR

F-1

1AP.050.0554.1-8WX

WEIGHT	SCALE
	1:1

BROOK CROMPTON
Keeping Industry Turning