

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W60 Hazardous Area Three-Phase

Product code : 16856003
Catalog # : 175036WT3X5810W60MV1

Frame	: 6810/11	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 1750 HP (1320 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: 0°C to +40°C
Rated voltage	: 2300/4000 V	Altitude	: 1000 m.a.s.l.
Rated current	: 395/227 A	Protection degree	: IP24
L. R. Amperes	: 2370/1362 A	Mounting	: F-1
LRC	: 6.0x(Code F)	Rotation ¹	: CCW
No load current	: 85.0/48.9 A	Noise level ²	: 88.0 dB(A)
Rated speed	: 3575 rpm	Starting method	: VFD
Slip	: 0.69 %		
Rated torque	: 2570 ft.lb		
Locked rotor torque	: 50 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 195 sq.ft.lb		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	95.0	95.4	95.4
Power Factor	0.00	0.82	0.87	0.88

Notes:

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page Revision 1 /		
Checked by				
Date	27/03/2024			