

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE2 Three-Phase

Product code : 12401748

Frame : 355M/L
Output : 350 HP (260 kW)
Poles : 4
Frequency : 50 Hz
Rated voltage : 380 V
Rated current : 480 A
L. R. Amperes : 3264 A
LRC : 6.8
No load current : 138 A
Rated speed : 1490 rpm
Slip : 0.67 %
Rated torque : 1230 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 210 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 183 sq.ft.lb
Design : N

Locked rotor time : 32s (cold) 18s (hot)
Temperature rise : 80 K
Duty cycle : S1
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : B3L(E)
Rotation¹ : Both (CW and CCW)
Noise level² : 76.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 3720 lb

Output	50%	75%	100%
Efficiency (%)	95.6 94.2	95.7 95.7	95.7 95.8
	95.0	95.4	95.8
Power Factor	0.77 0.70	0.84 0.80	0.86 0.84
	0.70	0.81	0.85

Foundation loads
Max. traction : 3679 lb
Max. compression : 7399 lb

Losses at normative operating points (speed;torque), in percentage of rated output power

Losses (%)	P1 (0,9;1,0)	4.9	4.8	4.8
	P2 (0,5;1,0)	3.3	3.3	3.3
	P3 (0,25;1,0)	2.4	2.4	2.4
	P4 (0,9;0,5)	3.4	3.3	3.3
	P5 (0,5;0,5)	2.0	2.0	2.0
	P6 (0,5;0,25)	1.7	1.7	1.7
	P7 (0,25;0,25)	0.9	0.9	0.9

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6322 C3	6319 C3
Sealing	:	WSeal	WSeal
Lubrication interval	:	6000 h	8000 h
Lubricant amount	:	60 g	45 g
Lubricant type	:	Mobil Polyrex EM	

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).
- (3) Approximate weight subject to changes after manufacturing process.
- (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				
Checked by				
Date	26/03/2024			
			Page	Revision
			1 / 1	