

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 13733399

Catalog # : 01018ET3EBM215TC-S

Frame : 213/5TC
Output : 10 HP (7.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 24.4/12.2 A
L. R. Amperes : 171/85.4 A
LRC : 7.0x(Code H)
No load current : 11.1/5.54 A
Rated speed : 1760 rpm
Slip : 2.22 %
Rated torque : 29.8 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 1.07 sq.ft.lb
Design : B

Locked rotor time : 27s (cold) 15s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 60.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 169 lb

Output	25%	50%	75%	100%
Efficiency (%)	90.2	91.0	91.0	91.7
Power Factor	0.41	0.67	0.78	0.84

Foundation loads
Max. traction : 421 lb
Max. compression : 589 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6208 ZZ	6206 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes:
USABLE @208V 27.0A SF 1.00 SFA 27.0A

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		Page Revision 1 / 2		
Checked by				
Date	29/03/2024			

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Brake information

Voltage: 208-230/460//190/380 V
Brake Torque: 50.2 ft.lb

Rev.	Changes Summary		Performed	Checked	Date
Performed by			Page 2 / 2		Revision
Checked by					
Date	29/03/2024				