DATA SHEET



Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3	: 225S/ľ	60 V 6.2 A 92 A .79 A pm	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 32s : 80 k : S1 : -20° : 1000 : IP55 : IC41 : B3T : Both : 82.0	(cold) 18s (hot) (C to +40°C 0 m.a.s.l. 5 11 - TEFC (CW and CCW) 0 dB(A) ct On Line
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.56	: 225S/N : 45 kW : 2 : 50 Hz : 380/66 : 80.2/4 : 682/39 : 8.5 : 17.0/9 : 2965 r : 1.17 % : 107 ft.l : 220 % : 270 % : F : 1.00 : 9.81 se	M (60 HP) 60 V 6.2 A 92 A .79 A pm	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method	: 32s : 80 k : S1 : -20° : 1000 : IP55 : IC41 : B3T : Both : 82.0 : Dire	(cold) 18s (hot) (C to +40°C 0 m.a.s.l. 5 11 - TEFC (CW and CCW) 0 dB(A) ct On Line
Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.56	: 45 kW : 2 : 50 Hz : 380/66 : 80.2/41 : 682/39 : 8.5 : 17.0/9 : 2965 r : 1.17 % : 107 ft.l : 220 % : 270 % : F : 1.00 : 9.81 se	60 V 6.2 A 92 A .79 A pm	Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method	: 80 k : S1 : -20° : 1000 : IP55 : IC41 : B3T : Both : 82.0 : Dire	C to +40°C 0 m.a.s.l. 5 11 - TEFC 11 (CW and CCW) 10 dB(A) 11 ct On Line
Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.56	: 2 : 50 Hz : 380/66 : 80.2/4 : 682/39 : 8.5 : 17.0/9 : 2965 r : 1.17 % : 107 ft.l : 220 % : F : 1.00 : 9.81 so	60 V 6.2 A 92 A .79 A pm	Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method	: 80 k : S1 : -20° : 1000 : IP55 : IC41 : B3T : Both : 82.0 : Dire	C to +40°C 0 m.a.s.l. 5 11 - TEFC 11 (CW and CCW) 10 dB(A) 11 ct On Line
Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.56	: 50 Hz : 380/66 : 80.2/4 : 682/39 : 8.5 : 17.0/9 : 2965 r : 1.17 % : 107 ft.l : 220 % : F : 1.00 : 9.81 se	6.2 A 92 A .79 A .pm 6 Ib	Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method	e : -20° : 1000 : IP55 : IC41 : B3T : Both : 82.0 : Dire	0 m.a.s.l. 5 11 - TEFC n (CW and CCW) 0 dB(A) ct On Line
Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.56	: 380/66 : 80.2/4 : 682/39 : 8.5 : 17.0/9 : 2965 r : 1.17 % : 107 ft.l : 220 % : 270 % : F : 1.00 : 9.81 se	6.2 A 92 A .79 A .pm 6 Ib	Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method	: 1000 : IP55 : IC41 : B3T : Both : 82.0 : Dire	0 m.a.s.l. 5 11 - TEFC n (CW and CCW) 0 dB(A) ct On Line
Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.56	: 80.2/4 : 682/39 : 8.5 : 17.0/9 : 2965 r : 1.17 % : 107 ft.l : 220 % : 270 % : F : 1.00 : 9.81 se	6.2 A 92 A .79 A .pm 6 Ib	Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method	: IP55 : IC41 : B3T : Both : 82.0 : Dire	n (CW and CCW) to the description of the descriptio
L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.5	: 682/39 : 8.5 : 17.0/9 : 2965 r : 1.17 % : 107 ft.l : 220 % : 270 % : F : 1.00 : 9.81 se	92 A .79 A pm 6 lb	Cooling method Mounting Rotation¹ Noise level² Starting method	: IC41 : B3T : Both : 82.0 : Dire	11 - TEFC n (CW and CCW) dB(A) ct On Line
LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.56	: 8.5 : 17.0/9 : 2965 r : 1.17 % : 107 ft.l : 220 % : 270 % : F : 1.00 : 9.81 se	.79 A pm 6 lb	Mounting Rotation¹ Noise level² Starting method	: B3T : Both : 82.0 : Dire	n (CW and CCW) dB(A) ct On Line
No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.56	: 17.0/9 : 2965 r : 1.17 % : 107 ft.l : 220 % : 270 % : F : 1.00 : 9.81 se	pm 6 Ib	Rotation ¹ Noise level ² Starting method	: Both : 82.0 : Dire	n (CW and CCW) dB(A) ct On Line
Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.5	: 2965 r : 1.17 % : 107 ft.l : 220 % : 270 % : F : 1.00 : 9.81 se	pm 6 Ib	Noise level ² Starting method	: 82.0 : Dire	dB(A) ct On Line
Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.56	: 1.17 % : 107 ft.l : 220 % : 270 % : F : 1.00 : 9.81 se	ib	Starting method	: Dire	ct On Line
Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.56	: 107 ft.l : 220 % : 270 % : F : 1.00 : 9.81 se	lb			
Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.5 0.56	: 220 % : 270 % : F : 1.00 : 9.81 so	-	Approx. weight ^a	: 1004	4 lb
Breakdown torque Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.5 0.56	: 270 % : F : 1.00 : 9.81 so				
Insulation class Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92.91.3 Power Factor 0.63 0.56	: F : 1.00 : 9.81 so				
Service factor Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.5 0.56	: 1.00 : 9.81 so	q.ft.lb			
Moment of inertia (J) Design Output 25% Efficiency (%) 92.7 92.91.3 Power Factor 0.63 0.56	: 9.81 s	q.ft.lb			
Design Output 25% Efficiency (%) 92.7 92.91.3 Power Factor 0.63 0.56		q.ft.lb			
Output 25% Efficiency (%) 92.7 92.91.3 Power Factor 0.63 0.56	: N				
Efficiency (%) 92.7 92. 91.3 Power Factor 0.63 0.5 0.56					
91.3 Power Factor 0.63 0.5 0.56	50%	75% 100%	Foundation loads		
Power Factor 0.63 0.5 0.56		93.5 93.7 93.7 93.7	Max. traction	: 532 lb)
0.56		93.2 93.7			
		0.89 0.87 0.91 0.89 0.86 0.89	Max. compression	: 1536 I	lb
LUSSES at HUITHative Operati			ntage of rated output no	wor	
	(0,9;1,0)	6.2	6.2	6.2	
	(0,5;1,0)	4.6	4.6	4.6	_
	(0,25;1,0)	4.2	4.2	4.2	_
	(0,23,1,0)	2.9	2.9	2.9	
	(0,5;0,5)	1.6	1.6	1.6	
	(0,5;0,25)	0.9	0.9	0.9	\dashv
	0,25;0,25)	0.5	0.5	0.5	
111	-,,-,,	Drive end	Non drive		
Bearing type			6314		
Sealing	:	Lip Seal	Lip So		
Lubrication interval		4548 h	4548		
Lubricant amount	:	27 g	27 (
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 IEC 60034-1.

Rev.	Rev. Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	27/03/2024			1/2	

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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Customer	
Customer	

Thermal protection

ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	150 °C

Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	27/03/2024			2/2	