

DATA SHEET

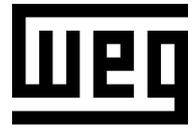
Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : W22 IE3 Three-Phase	Product code : 12862351				
Frame : 63 Insulation class : F Duty cycle : S1 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : N	Cooling method : IC411 - TEFC Mounting : B3T Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ² : 8.0 kg Moment of inertia (J) : 0.0002 kgm ²				
Output [kW]	0.25	0.25	0.25	0.25	
Poles	2	2	2	2	
Frequency [Hz]	50	50	50	60	
Rated voltage [V]	220/380	230/400	240/415	460	
Rated current [A]	1.16/0.673	1.17/0.672	1.17/0.674	0.606	
L. R. Amperes [A]	6.16/3.57	6.43/3.70	6.64/3.84	4.00	
LRC [A]	5.3	5.5	5.7	6.6	
No load current [A]	0.829/0.480	0.939/0.540	1.00/0.580	0.470	
Rated speed [RPM]	2795	2820	2830	3440	
Slip [%]	6.83	6.00	5.67	4.44	
Rated torque [Nm]	0.855	0.847	0.844	0.694	
Locked rotor torque [%]	229	260	280	330	
Breakdown torque [%]	240	270	290	350	
Service factor	1.00	1.00	1.00	1.00	
Temperature rise	80 K	80 K	80 K	80 K	
Locked rotor time	18s (cold) 10s (hot)	18s (cold) 10s (hot)	18s (cold) 10s (hot)	18s (cold) 10s (hot)	
Noise level ²	52.0 dB(A)	52.0 dB(A)	52.0 dB(A)	56.0 dB(A)	
Efficiency (%)	25%				
	50%	64.6	63.0	61.5	64.0
	75%	68.7	68.0	67.2	68.0
	100%	69.7	69.7	69.7	70.0
Power Factor	25%				
	50%	0.59	0.54	0.51	0.53
	75%	0.72	0.68	0.64	0.65
	100%	0.81	0.77	0.74	0.74
Losses at normative operating points (speed;torque), in percentage of rated output power					
Losses (%)	P1 (0,9;1,0)	44.2	44.2	44.2	43.6
	P2 (0,5;1,0)	40.9	40.9	40.9	40.3
	P3 (0,25;1,0)	35.7	35.7	35.7	35.2
	P4 (0,9;0,5)	26.9	26.9	26.9	26.5
	P5 (0,5;0,5)	18.5	18.5	18.5	18.3
	P6 (0,5;0,25)	15.1	15.1	15.1	14.8
	P7 (0,25;0,25)	10.4	10.4	10.4	10.3
Bearing type	Drive end : 6201 ZZ	Non drive end : 6201 ZZ	Foundation loads		
Sealing	: V'Ring	: V'Ring	Max. traction	: 58 N	
Lubrication interval	: -	: -	Max. compression	: 136 N	
Lubricant amount	: -	: -			
Lubricant type	: Mobil Polyrex EM				
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.		
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Notes

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