

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : Multimounting IE3 Three-Phase			Product code : 11750348			
Frame	: 132S		Locked rotor time	: 32s (cold) 18s (hot)		
Output	: 7.5 HP (5.5 kW)		Temperature rise	: 80 K		
Poles	: 4		Duty cycle	: S1		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C		
Rated voltage	: 230/460 V		Altitude	: 1000 m.a.s.l.		
Rated current	: 18.1/9.07 A		Protection degree	: IP55		
L. R. Amperes	: 189/94.3 A		Cooling method	: IC411 - TEFC		
LRC	: 10.4		Mounting	: B3L(E)		
No load current	: 8.86/4.43 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1775 rpm		Noise level ²	: 58.0 dB(A)		
Slip	: 1.39 %		Starting method	: Direct On Line		
Rated torque	: 3.08 kgfm		Approx. weight ³	: 60.1 kg		
Locked rotor torque	: 260 %					
Breakdown torque	: 430 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.0528 kgm ²					
Design	: N					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	88.5	91.0	91.7	Max. traction : 214 kgf		
Power Factor	0.65	0.77	0.83	Max. compression : 274 kgf		
Losses at normative operating points (speed;torque), in percentage of rated output power						
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
8.7	6.6	6.0	5.2	3.3	2.5	1.6
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6308 ZZ		6207 ZZ		
Sealing	:	V'Ring		V'Ring		
Lubrication interval	:	-		-		
Lubricant amount	:	-		-		
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
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Checked by					Page	Revision
Date	14/01/2024				1 / 2	

LOAD PERFORMANCE CURVE

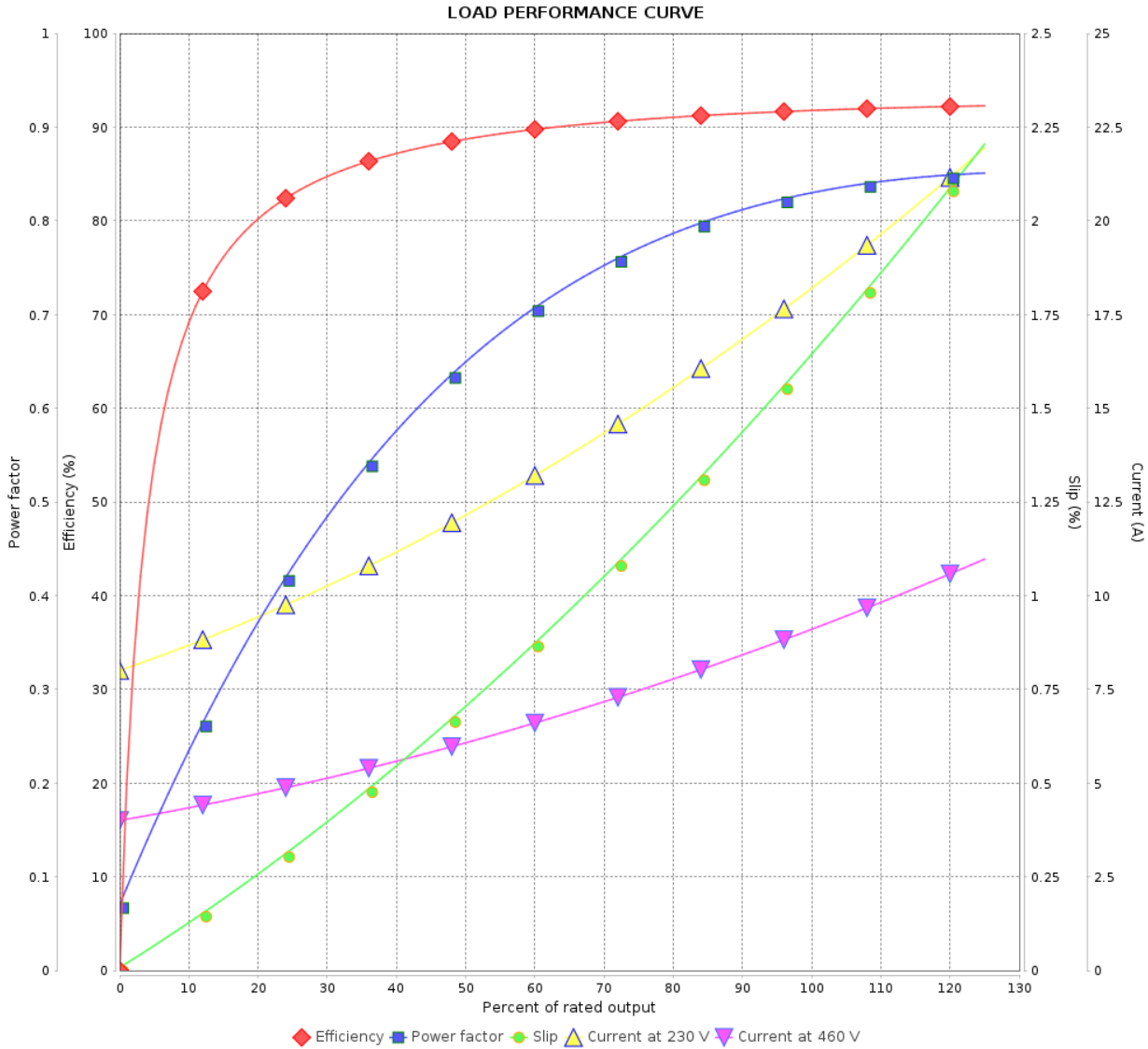
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Product line : Multimounting IE3 Three-Phase

Product code : 11750348



Performance : 230/460 V 60 Hz 4P

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 LRC : 10.4
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Moment of inertia (J) : 0.0528 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : N

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