

DATA SHEET

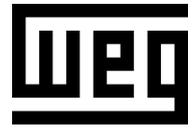
Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: W22 Tru-Metric IE3 Three-Phase	Product code :	13246835	
Frame	: 200L	Cooling method	: IC411 - TEFC		
Insulation class	: F	Mounting	: B3L(E)		
Duty cycle	: S1	Rotation ¹	: Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 261 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.3468 kgm ²		
Design	: N				
Output [HP]	40	40	40		
Poles	4	4	4		
Frequency [Hz]	50	50	60		
Rated voltage [V]	380	415	230/460		
Rated current [A]	58.0	55.7	98.8/49.4		
L. R. Amperes [A]	423	457	909/454		
LRC [A]	7.3	8.2	9.2		
No load current [A]	24.5	27.0	51.0/25.5		
Rated speed [RPM]	1480	1485	1785		
Slip [%]	1.33	1.00	0.83		
Rated torque [kgfm]	19.6	19.5	16.3		
Locked rotor torque [%]	250	310	340		
Breakdown torque [%]	280	310	350		
Service factor	1.00	1.00	1.25		
Temperature rise	80 K	80 K	80 K		
Locked rotor time	19s (cold) 11s (hot)	16s (cold) 9s (hot)	23s (cold) 13s (hot)		
Noise level ²	63.0 dB(A)	63.0 dB(A)	66.0 dB(A)		
Efficiency (%)	25%				
	50%	93.4	92.8	92.6	
	75%	93.7	93.3	93.7	
	100%	93.6	93.6	94.1	
Power Factor	25%				
	50%	0.69	0.60	0.63	
	75%	0.79	0.72	0.75	
	100%	0.84	0.80	0.81	
Losses at normative operating points (speed;torque), in percentage of rated output power					
Losses (%)	P1 (0,9;1,0)	6.6	6.6	6.0	
	P2 (0,5;1,0)	5.1	5.1	4.7	
	P3 (0,25;1,0)	4.7	4.7	4.3	
	P4 (0,9;0,5)	3.9	3.9	3.5	
	P5 (0,5;0,5)	2.5	2.5	2.3	
	P6 (0,5;0,25)	1.9	1.9	1.8	
	P7 (0,25;0,25)	1.3	1.3	1.2	
Bearing type	: Drive end 6312 C3	Non drive end 6212 C3	Foundation loads		
Sealing	: V'Ring	V'Ring	Max. traction	: 585 kgf	
Lubrication interval	: 20000 h	20000 h	Max. compression	: 846 kgf	
Lubricant amount	: 21 g	13 g			
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 NEMA MG-1.		
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

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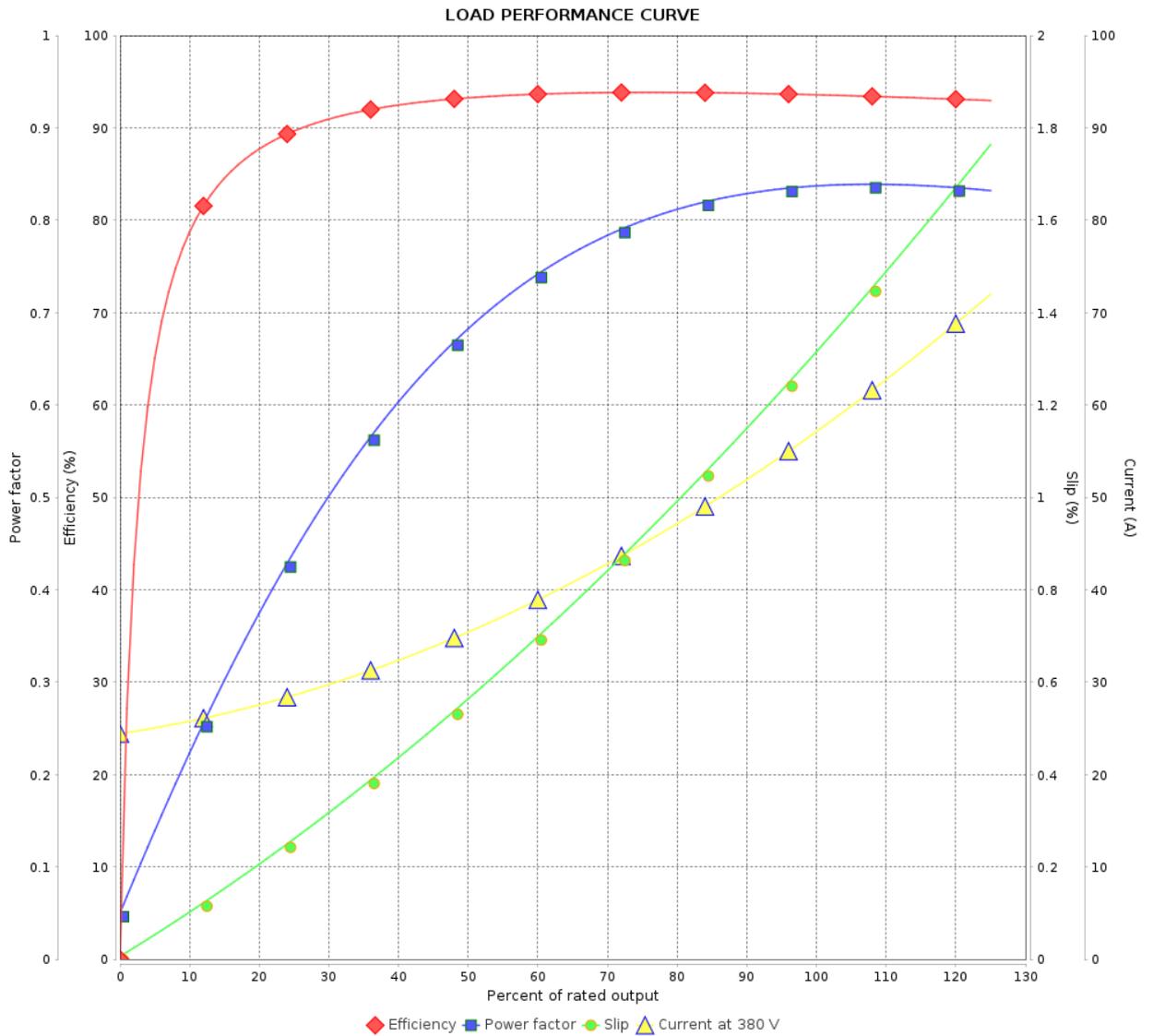
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 13246835



Performance : 380 V 50 Hz 4P

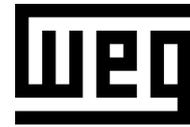
Rated current : 58.0 A
 LRC : 7.3
 Rated torque : 19.6 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 280 %
 Rated speed : 1480 rpm

Moment of inertia (J) : 0.3468 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

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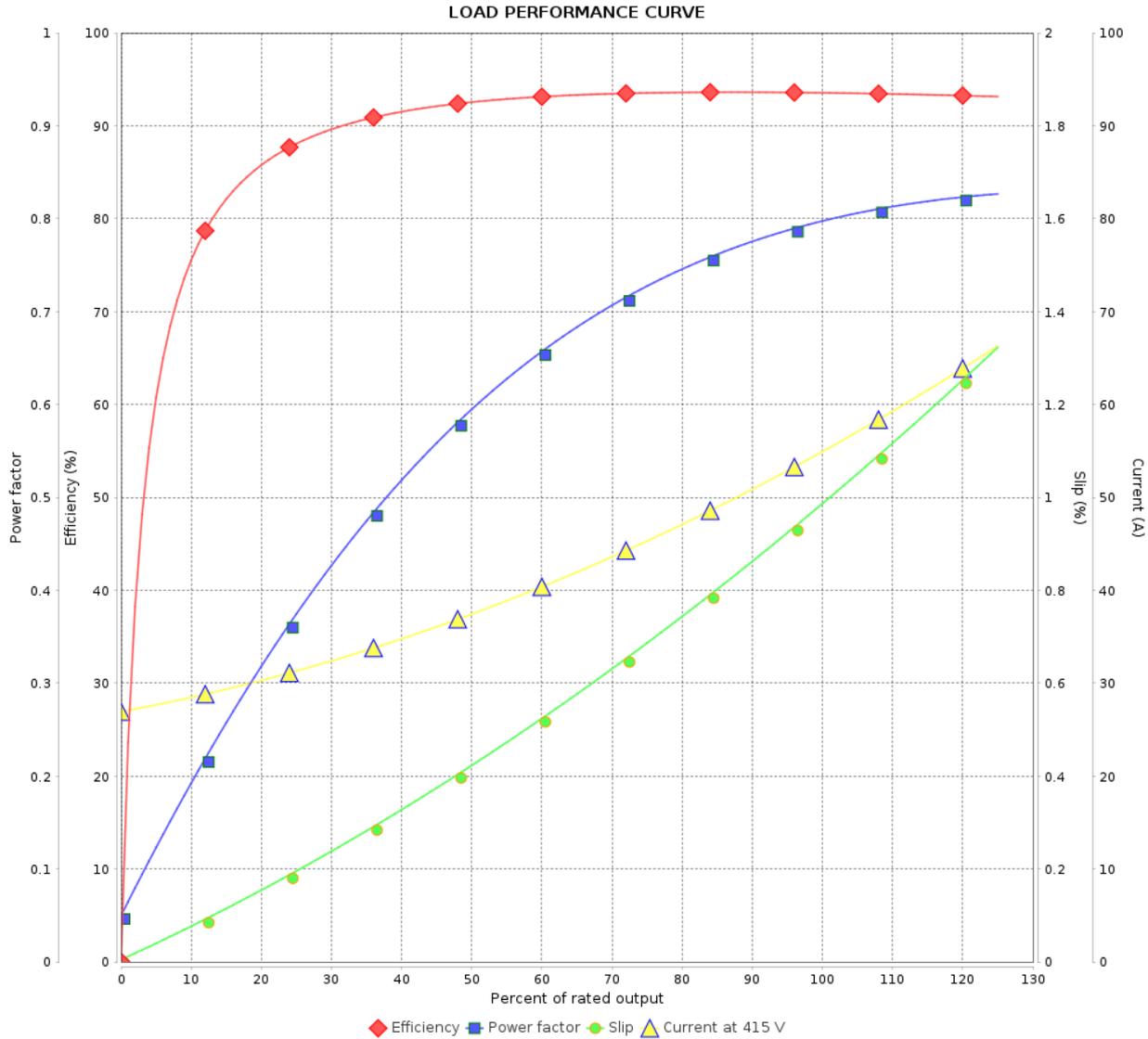
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 13246835



Performance : 415 V 50 Hz 4P

Rated current	: 55.7 A	Moment of inertia (J)	: 0.3468 kgm ²
LRC	: 8.2	Duty cycle	: S1
Rated torque	: 19.5 kgfm	Insulation class	: F
Locked rotor torque	: 310 %	Service factor	: 1.00
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 1485 rpm	Design	: N

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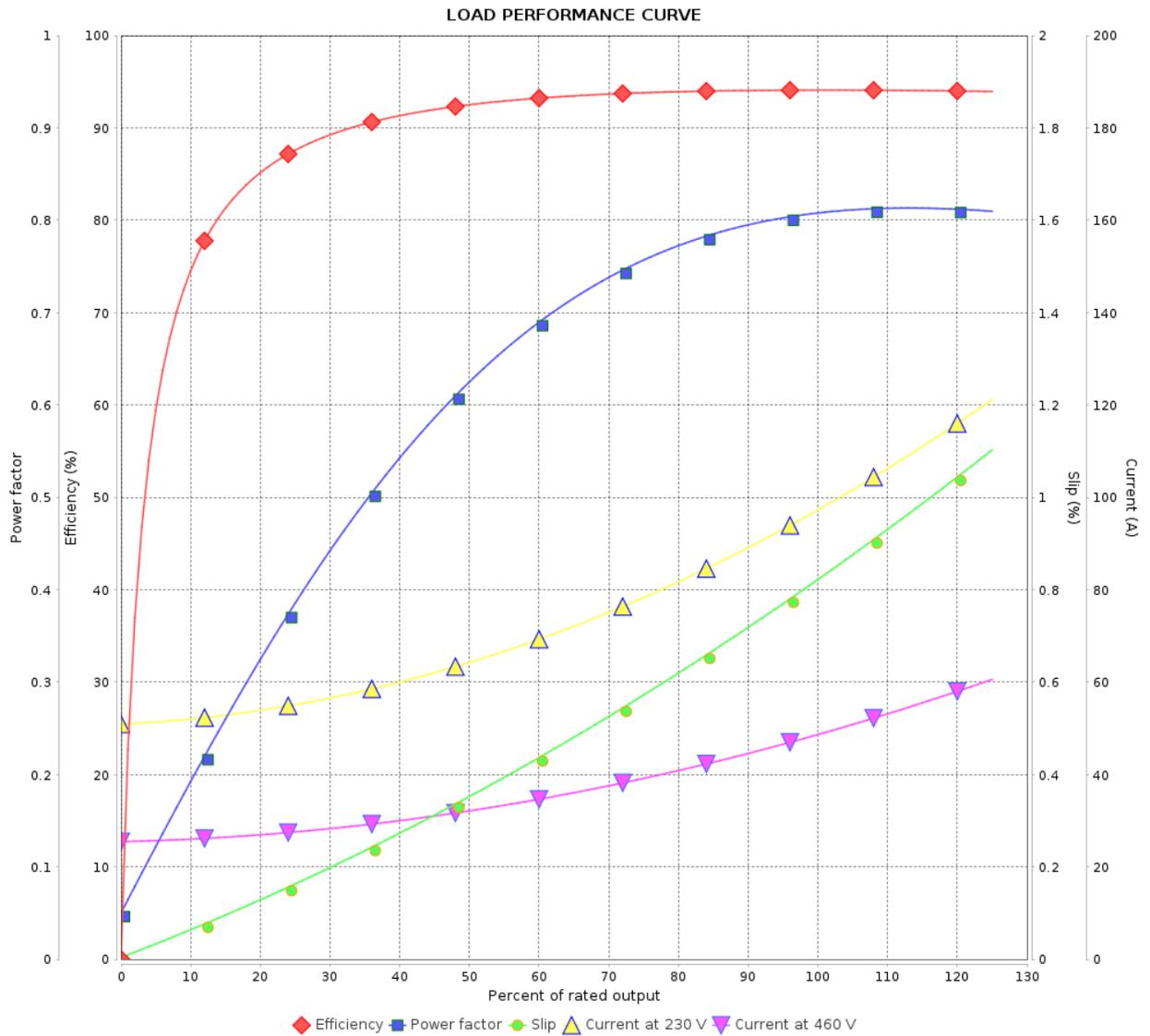
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 13246835



Performance : 230/460 V 60 Hz 4P

Rated current : 98.8/49.4 A
 LRC : 9.2
 Rated torque : 16.3 kgfm
 Locked rotor torque : 340 %
 Breakdown torque : 350 %
 Rated speed : 1785 rpm

Moment of inertia (J) : 0.3468 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : N

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