

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:		
Product line	: Premium Efficiency Three-Phase	Product code :	15065846
Frame	: W56	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(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 ²	: 7.2 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0006 kgm ²
Output [HP]	0.33	0.33	0.33
Poles	2	2	2
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190-220/380	415
Rated current [A]	1.30-1.15/0.573	1.29-1.12/0.646	0.624
L. R. Amperes [A]	9.27-8.14/4.07	7.24-6.25/3.62	3.93
LRC [A]	7.1x(Code L)	5.6x(Code J)	6.3x(Code K)
No load current [A]	0.610-0.708/0.354	0.692-0.598/0.346	0.398
Rated speed [RPM]	3450	2800	2830
Slip [%]	4.17	6.67	5.67
Rated torque [kgfm]	0.069	0.086	0.085
Locked rotor torque [%]	320	240	290
Breakdown torque [%]	370	260	310
Service factor		1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	50s (cold) 28s (hot)	50s (cold) 28s (hot)	43s (cold) 24s (hot)
Noise level ²	65.0 dB(A)	64.0 dB(A)	64.0 dB(A)
Efficiency (%)	25%		
	50%	59.5	64.3
	75%	66.0	70.2
	100%	72.0	72.4
Power Factor	25%		
	50%	0.61	0.58
	75%	0.71	0.70
	100%	0.76	0.77
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads	
Sealing	: V'Ring Without Bearing Seal	Max. traction	: 4 kgf
		Max. compression	: 12 kgf
Lubrication interval	: -		
Lubricant amount	: -		
Lubricant type	: Mobil Polyrex EM		
Notes USABLE @208V SF 1.00			
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			
Checked by			Page
Date	17/05/2022		Revision
			1 / 4

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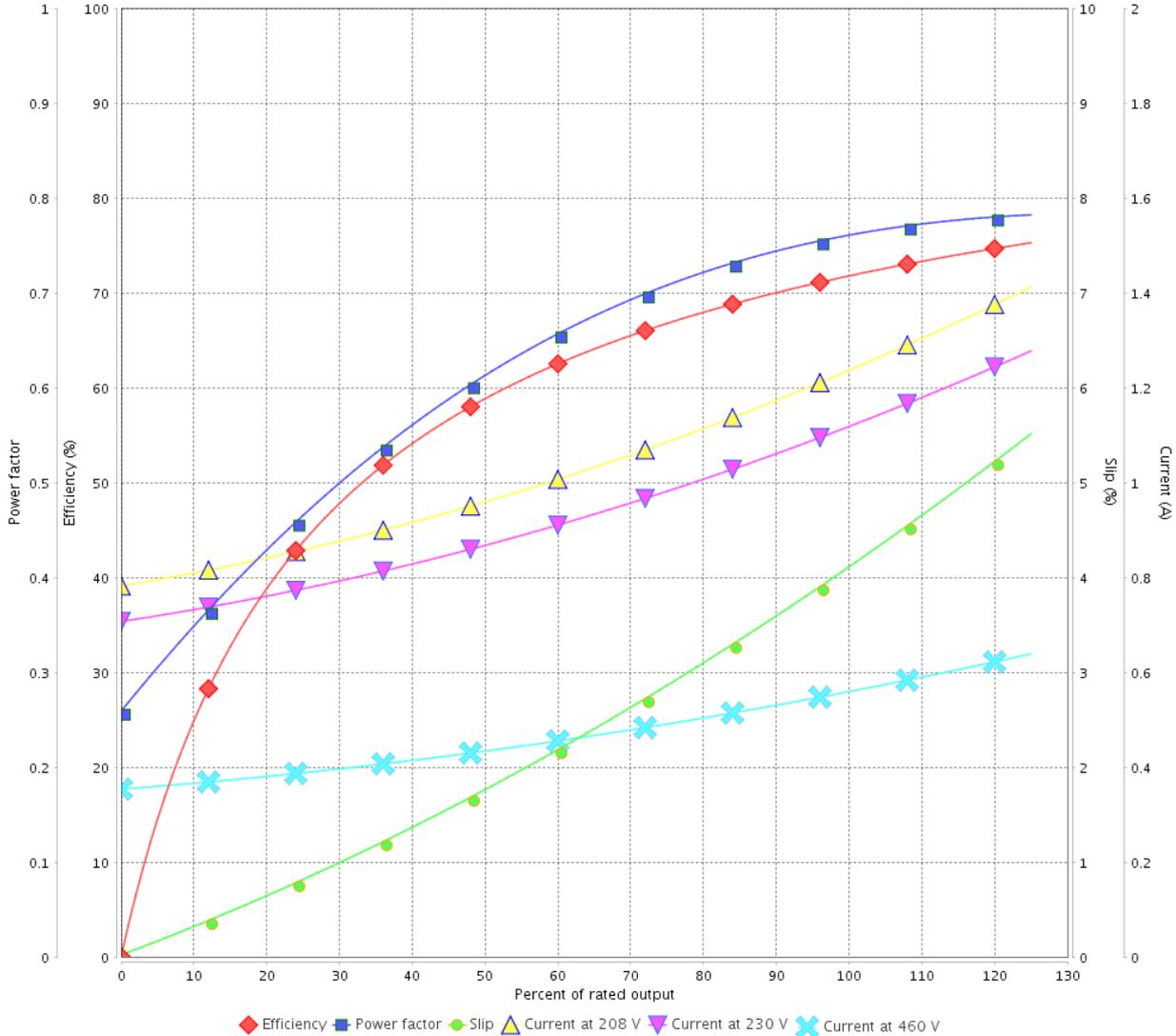
Three Phase Induction Motor - Squirrel Cage



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Performance : 208-230/460 V 60 Hz 2P

Rated current : 1.30-1.15/0.573 A
 LRC : 7.1
 Rated torque : 0.069 kgfm
 Locked rotor torque : 320 %
 Breakdown torque : 370 %
 Rated speed : 3450 rpm

Moment of inertia (J) : 0.0006 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				

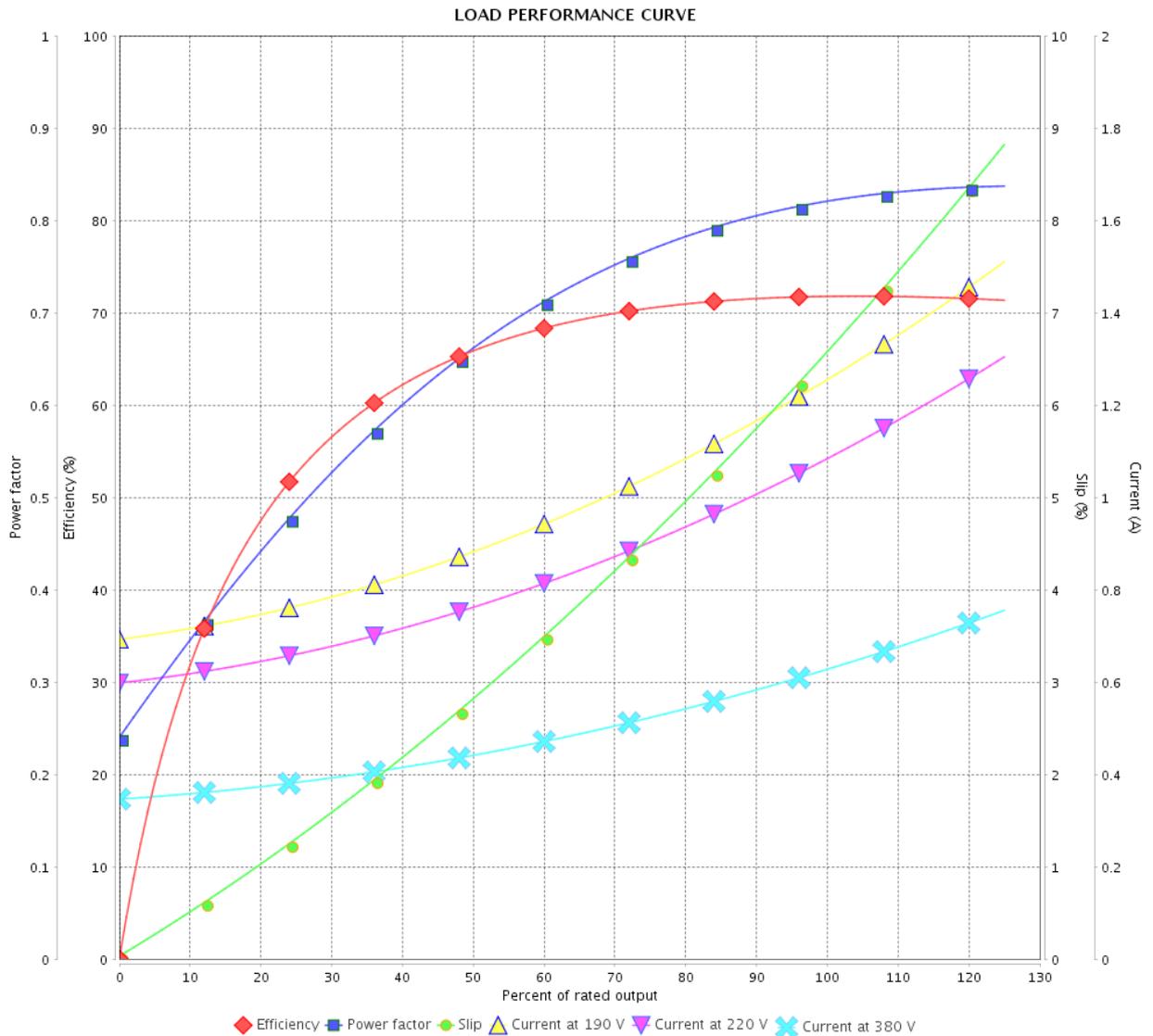
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

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Performance : 190-220/380 V 50 Hz 2P

Rated current : 1.29-1.12/0.646 A
 LRC : 5.6
 Rated torque : 0.086 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 260 %
 Rated speed : 2800 rpm

Moment of inertia (J) : 0.0006 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				

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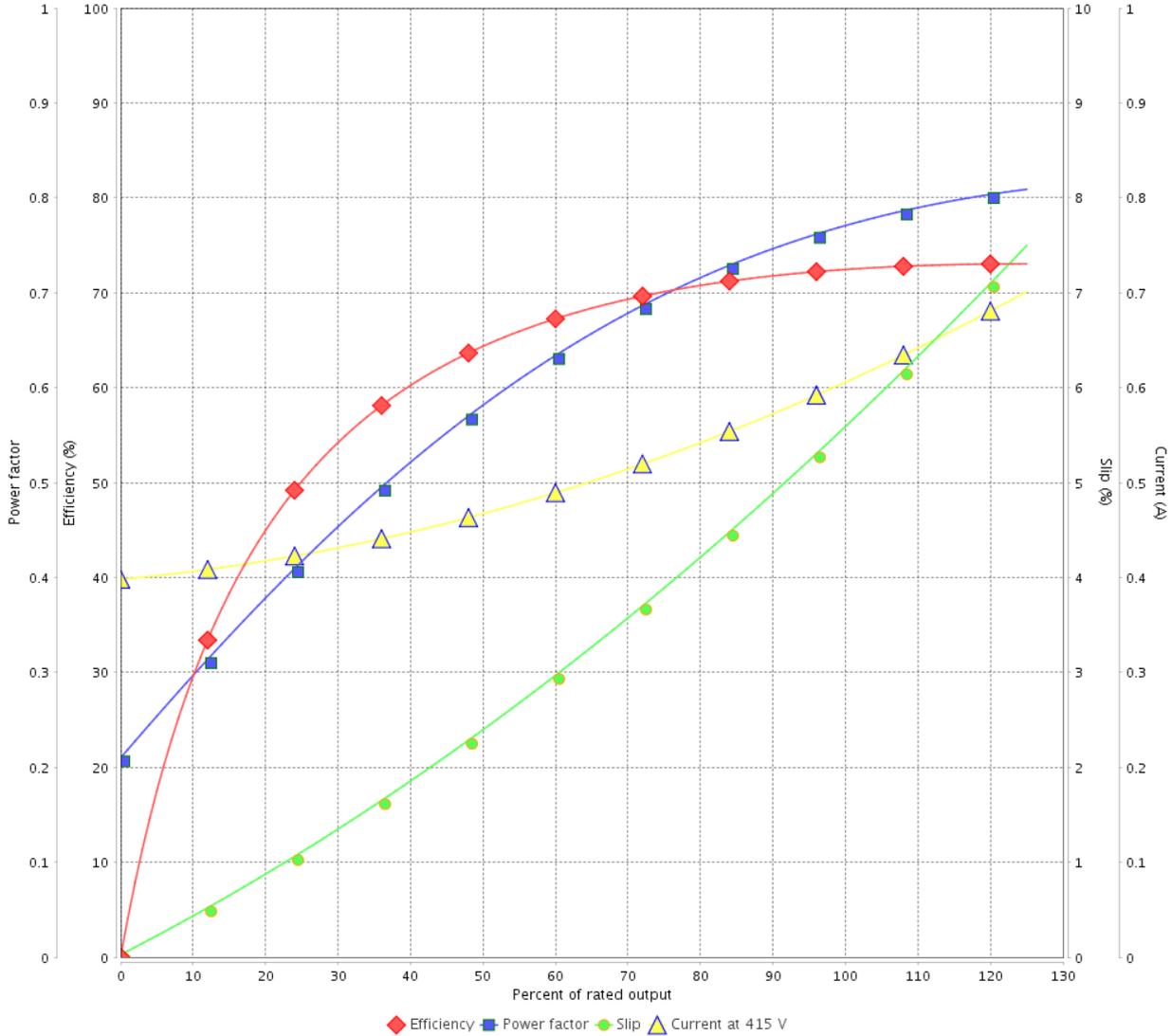
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Customer :

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Performance : 415 V 50 Hz 2P

Rated current : 0.624 A
 LRC : 6.3
 Rated torque : 0.085 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 310 %
 Rated speed : 2830 rpm

Moment of inertia (J) : 0.0006 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 4 / 4	Revision
Checked by				
Date	17/05/2022			