

# DATA SHEET

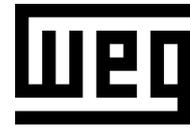


## Three Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: Jet Pump - C type Three-Phase	Product code :	13722258
Frame	: W56C	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: W-6
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup>	: CCW
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>2</sup>	: 6.8 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0006 kgm <sup>2</sup>
Output [HP]	0.33	0.33	0.33
Poles	2	2	2
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	1.30-1.15/0.573	1.29/0.646	1.18/0.624
L. R. Amperes [A]	9.27-8.14/4.07	7.24/3.62	7.42/3.93
LRC [A]	7.1x(Code L)	5.6x(Code J)	6.3x(Code K)
No load current [A]	0.610-0.708/0.354	0.692/0.346	0.751/0.398
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 <sup>2</sup>	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 2RS <u>Non drive end</u> 6202 2RS	Foundation loads	
Sealing	: V'Ring V'Ring	Max. traction	: 5 kgf
Lubrication interval	: - -	Max. compression	: 11 kgf
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.	
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# LOAD PERFORMANCE CURVE

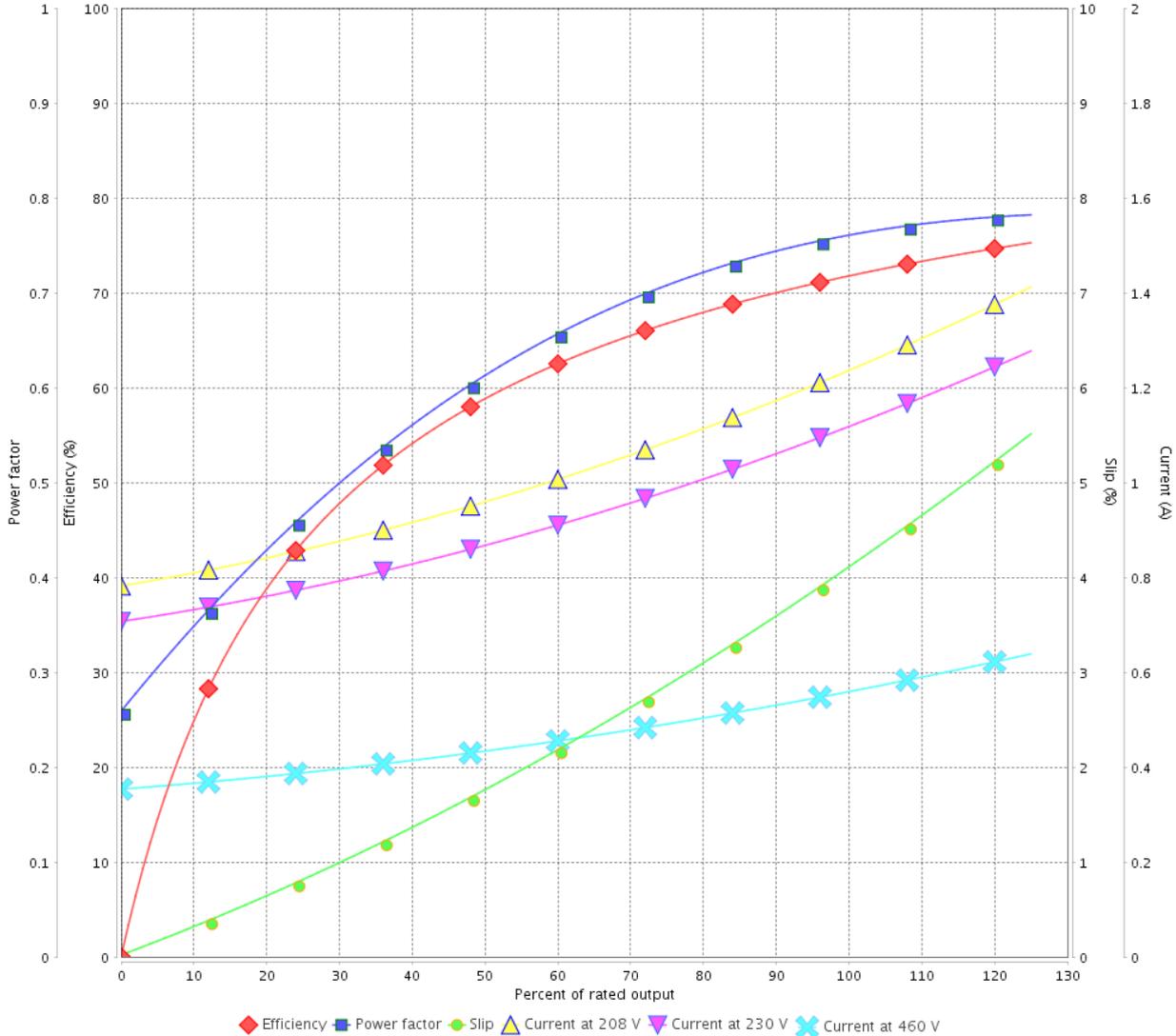
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase Product code : 13722258

LOAD PERFORMANCE CURVE



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 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K

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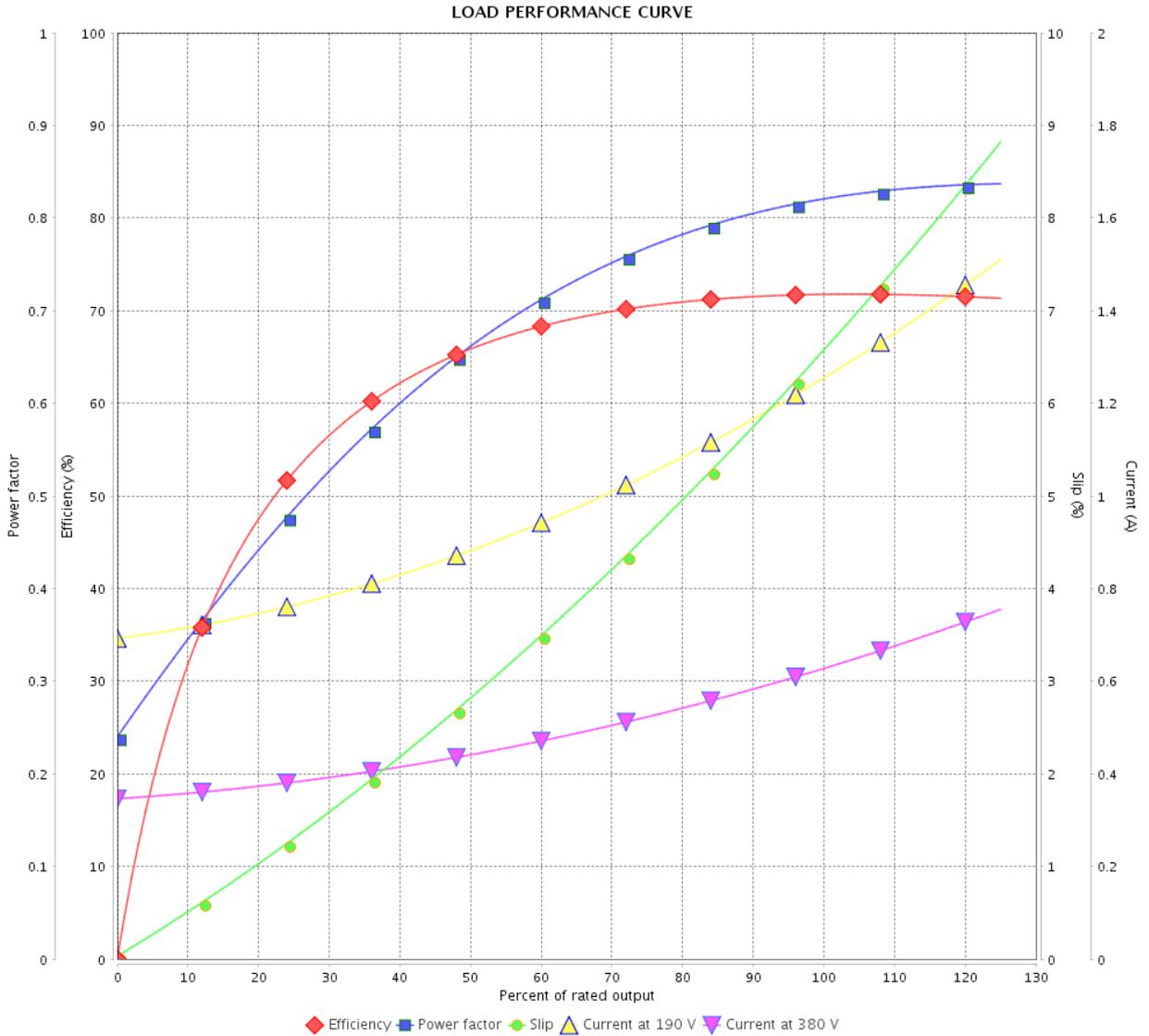
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : Jet Pump - C type Three-Phase      Product code : 13722258



Performance : 190/380 V 50 Hz 2P

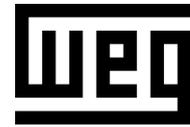
Rated current : 1.29/0.646 A  
 LRC : 5.6  
 Rated torque : 0.086 kgfm  
 Locked rotor torque : 240 %  
 Breakdown torque : 260 %  
 Rated speed : 2800 rpm

Moment of inertia (J) : 0.0006 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

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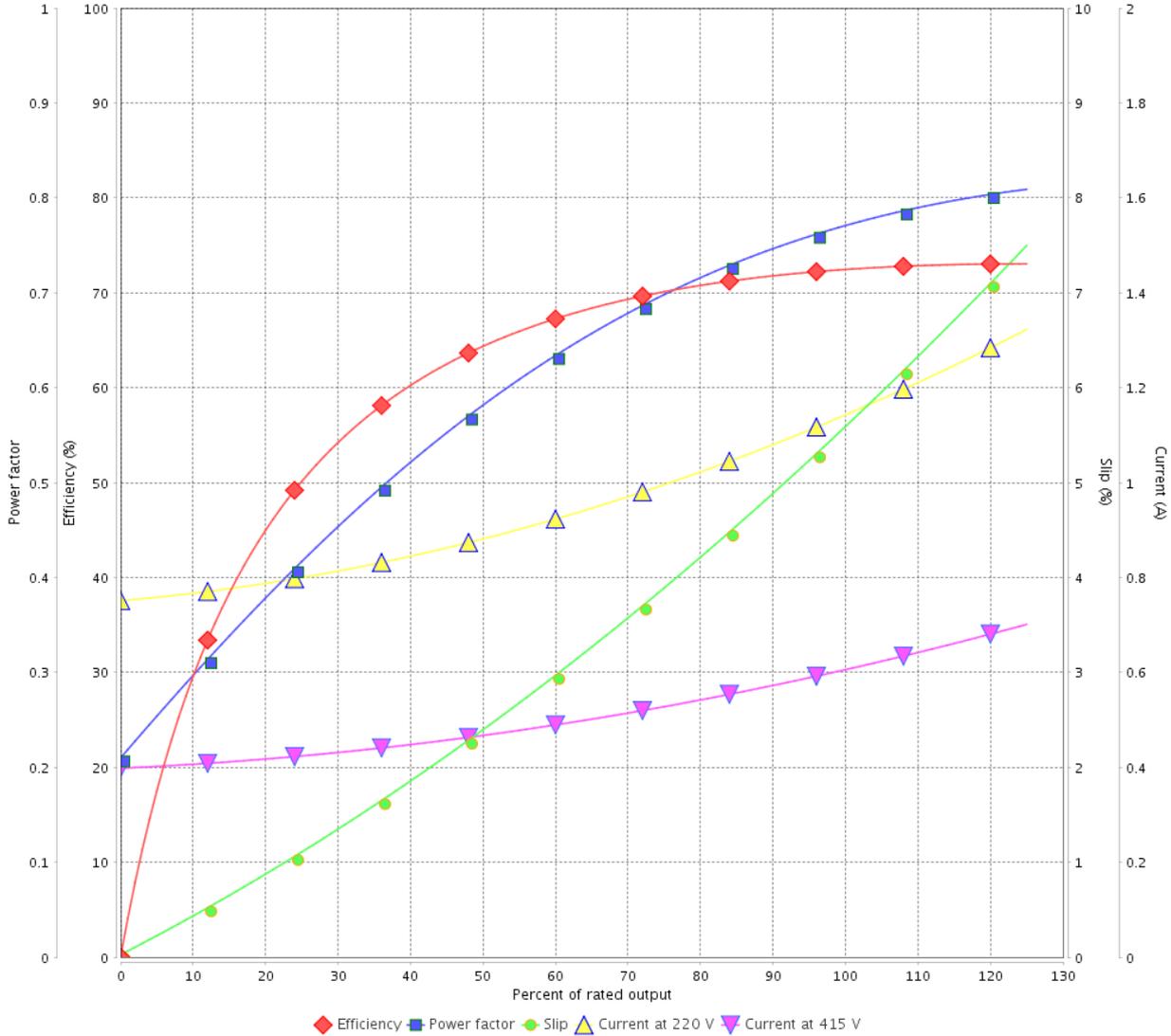
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase      Product code : 13722258

LOAD PERFORMANCE CURVE



Performance : 220/415 V 50 Hz 2P

Rated current : 1.18/0.624 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 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

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