

DATA SHEET

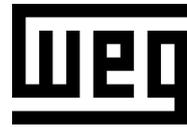


Three Phase Induction Motor - Squirrel Cage

Customer :	
Product line	: W21 Explosion Proof NEMA Premium Efficiency Three-Phase
Product code :	14281643
Frame	: 182/4TC
Insulation class	: F
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Protection degree	: IP55
Design	: B
Cooling method	: IC411 - TEFC
Mounting	: F-1
Rotation ¹	: Both (CW and CCW)
Starting method	: Direct On Line
Approx. weight ³	: 62.0 kg
Moment of inertia (J)	: 0.0224 kgm ²
Output [HP]	2
Poles	6
Frequency [Hz]	60
Rated voltage [V]	230/460
Rated current [A]	6.26/3.13
L. R. Amperes [A]	46.9/23.5
LRC [A]	7.5x(Code L)
No load current [A]	4.00/2.00
Rated speed [RPM]	1165
Slip [%]	2.92
Rated torque [kgfm]	1.25
Locked rotor torque [%]	300
Breakdown torque [%]	330
Service factor	1.15
Temperature rise	80 K
Locked rotor time	82s (cold) 46s (hot)
Noise level ²	52.0 dB(A)
Efficiency (%)	25%
	50%
	75%
	100%
Power Factor	25%
	50%
	75%
	100%
Losses at normative operating points (speed;torque), in percentage of rated output power	
Losses (%)	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)
Bearing type	: Drive end 6307 2RS Non drive end 6206 2RS
Sealing	: Oil Seal Lip Seal
Lubrication interval	: - -
Lubricant amount	: - -
Lubricant type	: Mobil Polyrex EM
Foundation loads	Max. traction : 63 kgf
	Max. compression : 125 kgf
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.	
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 : _____

Notes
USABLE @208V 6.92A SF 1.15 SFA 7.96A

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Three Phase Induction Motor - Squirrel Cage



Customer : _____

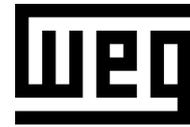
Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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Three Phase Induction Motor - Squirrel Cage

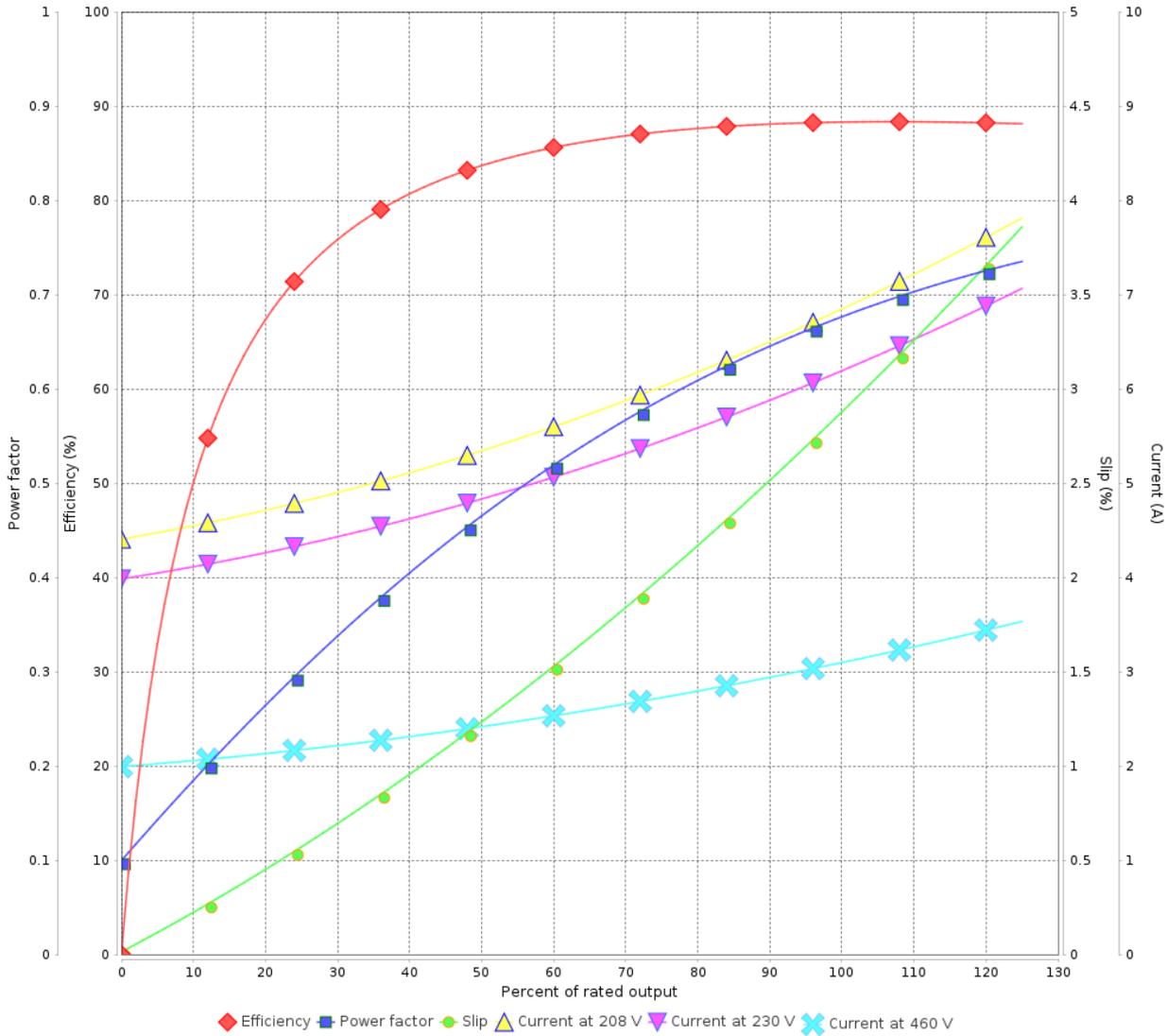


Customer :

Product line : W21 Explosion Proof NEMA
Premium Efficiency Three-Phase

Product code : 14281643

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Performance : 230/460 V 60 Hz 6P

Rated current : 6.26/3.13 A
LRC : 7.5
Rated torque : 1.25 kgfm
Locked rotor torque : 300 %
Breakdown torque : 330 %
Rated speed : 1165 rpm

Moment of inertia (J) : 0.0224 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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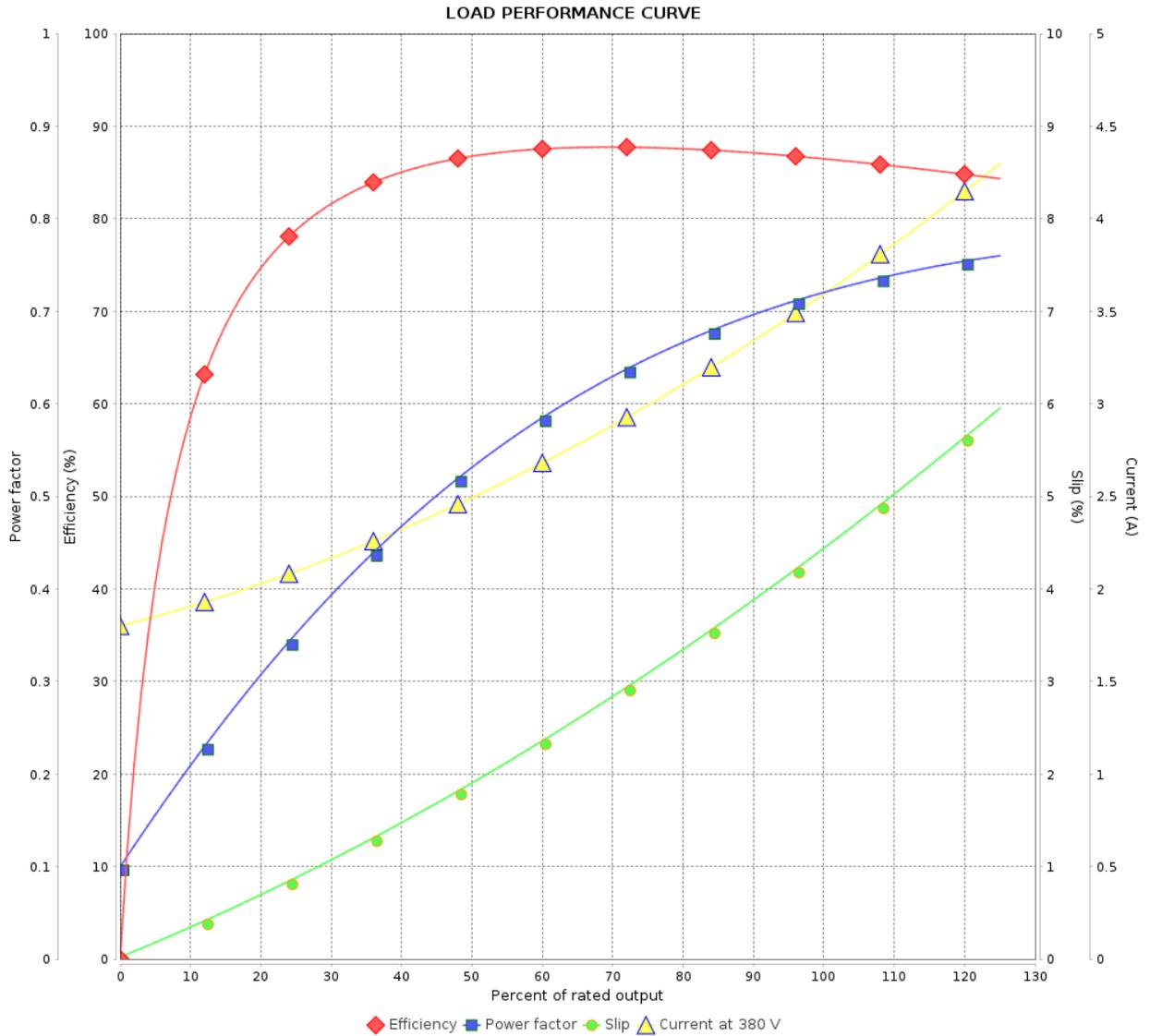
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 Explosion Proof NEMA
Premium Efficiency Three-Phase

Product code : 14281643



Performance : 380 V 50 Hz 6P IE4

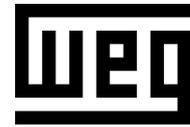
Rated current : 3.66 A
LRC : 6.0
Rated torque : 1.52 kgfm
Locked rotor torque : 220 %
Breakdown torque : 240 %
Rated speed : 955 rpm

Moment of inertia (J) : 0.0224 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.00
Temperature rise : 80 K
Design : B

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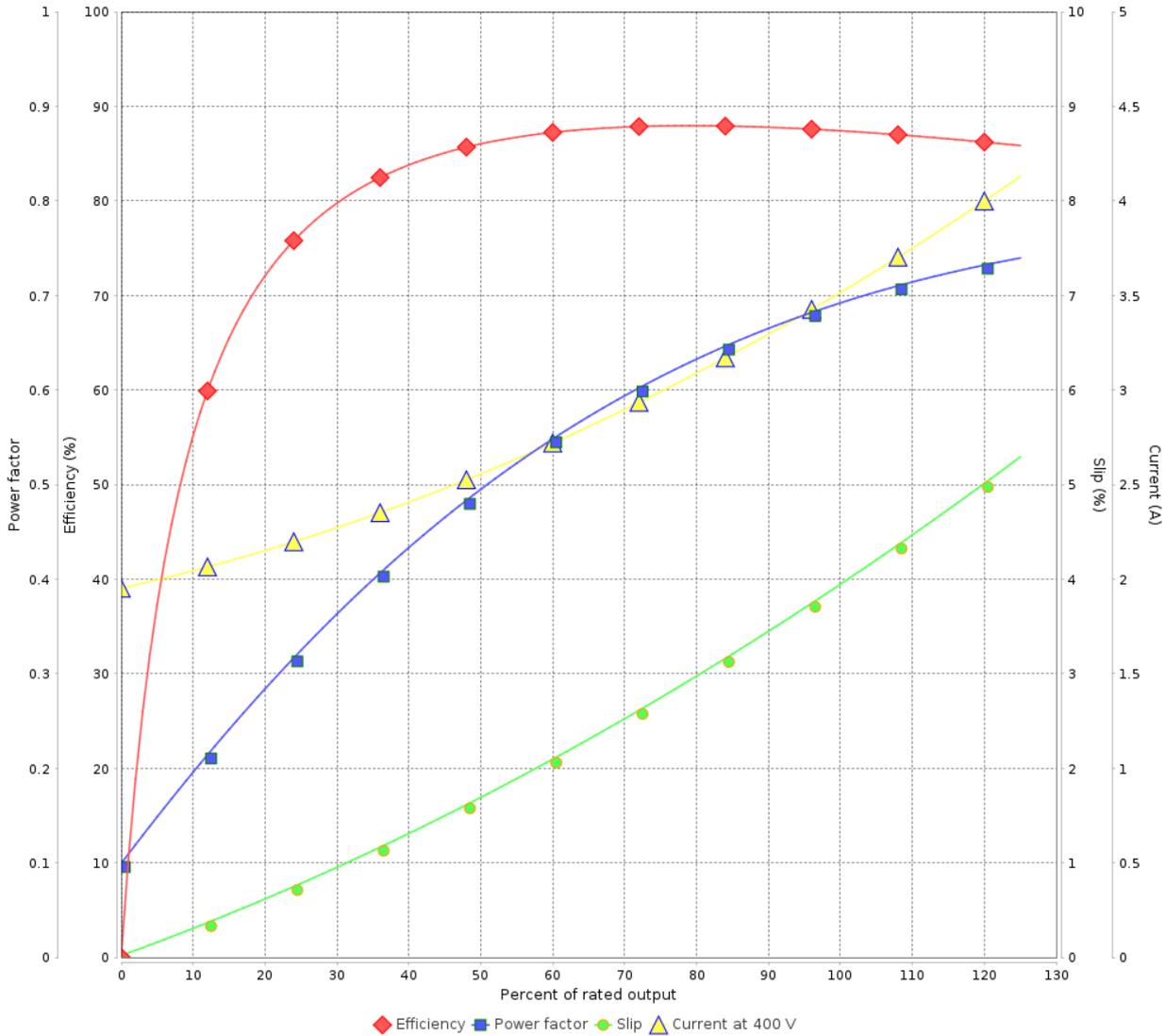


Customer : _____

Product line : W21 Explosion Proof NEMA
Premium Efficiency Three-Phase

Product code : 14281643

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Performance : 400 V 50 Hz 6P IE4

Rated current : 3.59 A
LRC : 6.7
Rated torque : 1.51 kgfm
Locked rotor torque : 260 %
Breakdown torque : 270 %
Rated speed : 960 rpm

Moment of inertia (J) : 0.0224 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.00
Temperature rise : 80 K
Design : B

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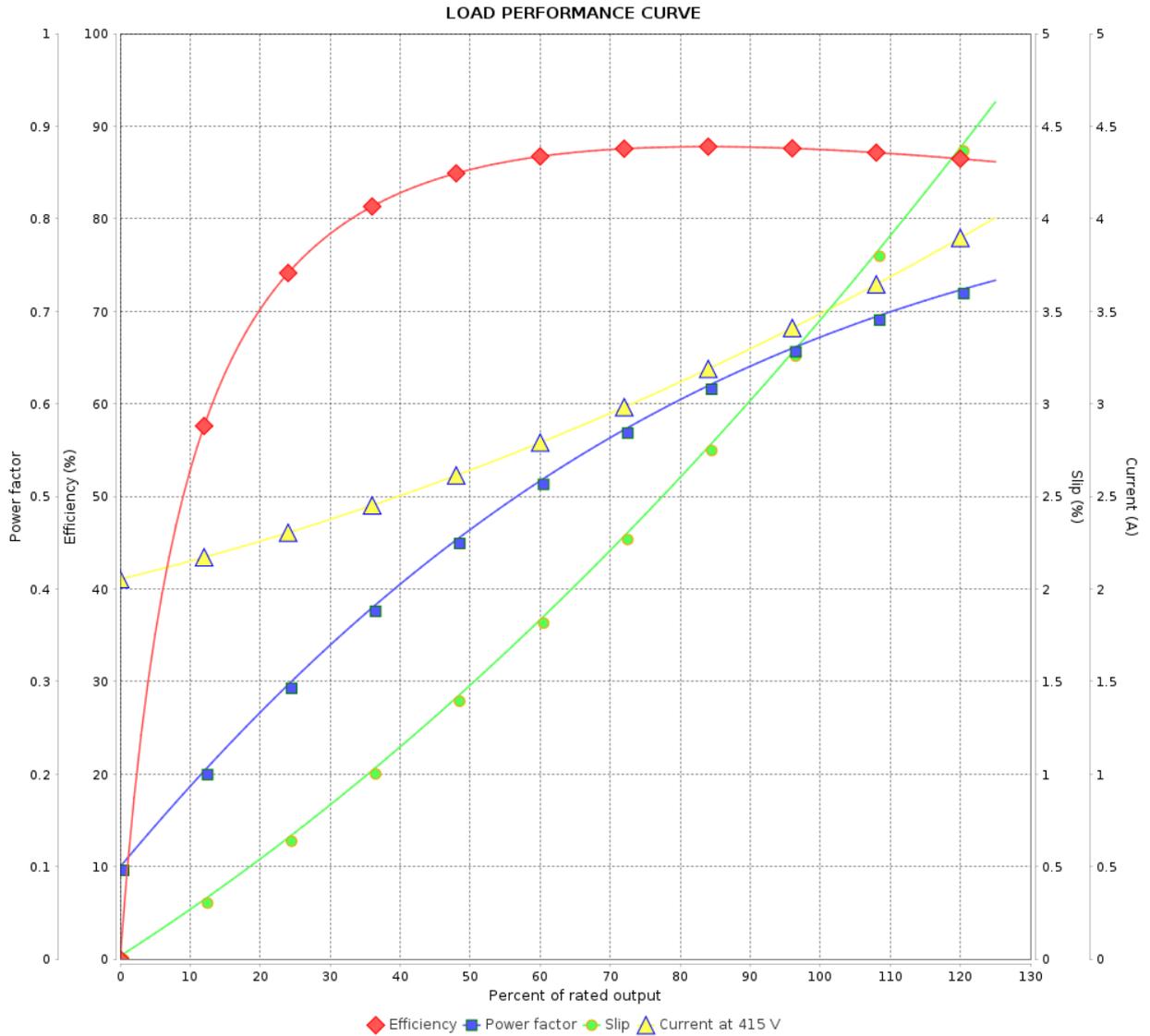
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 Explosion Proof NEMA
Premium Efficiency Three-Phase

Product code : 14281643



Performance : 415 V 50 Hz 6P IE4

Rated current : 3.56 A
 LRC : 7.1
 Rated torque : 1.50 kgfm
 Locked rotor torque : 300 %
 Breakdown torque : 300 %
 Rated speed : 965 rpm

Moment of inertia (J) : 0.0224 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : B

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